J.T THORPE

JOB BOOKS

[redacted]PHABETICAL

N - P

NATIONAL BISCUIT COMPANY

297 - Two (2) B. & W. Boilers

NATIONAL CHLORIDE COMPANY

2849 - See Standard Steel Corporation
Amboy
(Work to be done at Vernon)
Line Furnace of Rotary Dryer

NATIONAL CONTAINER CORP. OF CALIF.

6943 - See C. C. Moore & Co. Engineers
Los Angeles County -
To Repair B. & W. FM9 Boiler

NATIONAL CONTRACTOR

12847

MOBIL OIL
Torrance, CA
Repairs to floor of heater
#3F3 & #3F4

10/82

NATIONAL ENAMELING & FOUNDRY COMPANY

3105 - Portable Smelter

3178 - Reline Ball Mill

3198 - Repairs to Ball Mill

3222 - Repairs to Enamel Furnace

3327 - Repairs to Smelter

3335 - Repairs to Enameling Furnace

3359 - Compton - Enamel Furnace Repairs

3381 - Repairs to Furnace

3425 - Repairs to Stack of Enamel Furnace

6300 - Compton - To Construct One (1) Enameling Furnace
(A) - Stack for Enameling Furnace

6787 - Compton - To Reline One (1) 30" x 30" Ball Mill

NATIONAL FORGING & TOOL CO.

9619 - North Hollywood - Repair Surface Combustion Rotary Hearth Furnace

NATIONAL GYPSUM (Long Beach, Calif.)

6126		Install burner tile in Heater	Feb/70
	A	Replace burner tile	

NATIONAL IRANIAN COPPER

10068	Tehran Iran Spare Reverb Furnace Burner and Holding Furnace Burner	11/77

NATIONAL LEAD COMPANY (Changed to Titanium Metals Corporation of America)

2328 - Union Oil Company - Wilmington
Renew Furnace Brickwork

7174 - Titanium Div. - Henderson, Nevada - Fluo-Solids Reactor - Acid-Proof Brick Lining
(A) - Brickwork on 28" Chlorinator
(B) - Constriction Dome Assemblies & Skews

6913 - Rowley, Utah 10/11/71
Design and construct gas fired launder heaters

6934 - Salt Lake City, Utah 11/1/71
Design and supply comb. system for 5 magnesium pot furnaces

7010 Rowley, Utah 1/72
(Ralph M. Parsons, Agent)
Design and Supply Melt Cell Burner System

7051 Rowley, Utah
Design and Supply 20 Cell Preheat Burner Systems 1/72

7080 Rowley, Utah
Design and Supply 6 Cell Preheat Burner Systems 2/72

7224 Rowley, Utah
Design and Construct one Launder Heater 6/72

7512 Salt Lake City, Utah 1/73
Furnish one launder heater

NATIONAL LEAD CO. (Changed to Titanium metals Corporation of America)

7828	Rowley, Utah Furnish 6 Launder Heaters	8/73
7840	Rowley, Utah Fabricate one damper assembly	8/73

NATIONAL MALLEABLE & STEEL CASTINGS CO.
CAPITOL FOUNDRY DIVISION

1185 Tempe, Arizona - Supply Labor to Install Roof in Heat Treat Furnace

(A) Additional Repairs to Furnace #6
(B) Repairs to front arch Boiler #4
(C) Repairs to front arch Boiler #3

NATIONAL METAL & STEEL CORP.

6010 - Terminal Island - Repairs to Boiler

6080 - Terminal Island - Repairs to Boiler

7778 Terminal Island
Repairs to waste burners 7/73

9142 Terminal Is 1/76
Repair Furnace

11140 Nation - Terminal Isldan - Nec. 8/79
repairs to melting furnace

13666 National Metals/Ready Repairs 10-84
Terminal Island
Install 4" Castable Lining in non
Ferreous Dept. Incinerator Door

NATIONAL MINING & MILLING CO.

4207 - Near Sunflower, Ariz.
Three (3) Double Retort Mercury Smelting Furnaces and Reline Rotary Kiln

5105 - Solvang, Calif. - To Install Brickwork in One (1) Single Mercury Retort

NATIONAL PAPER PRODUCTS CO.

" 453 - See C. C. Moore & Co. Engineers
South Gate - One (1) 7' x $\frac{7\text{-}7}{1\text{-}42}$ x 16' B. & W. Blr.

NATIONAL PETROCHEMICAL CORP.

4810 C F Braun and Co
Houston, Texas
Construct activator jacket

NATIONAL PLANT SERVICES

12796	Carson Yard Rebuild lining of steam machine	9/82
14703	Carson Yard Repairs to firebox	5/87

NATIONAL SALES - Los Angeles

3361
~~3367~~ SIGNAL OIL + GAS Co
Huntington Beach
Repairs to gas steam generator

3373 UNION OIL TANK FARM
Repairs to steam gas generator

3426 UNION PACIFIC RAILROAD OIL FIELD
Wilmington
Repairs to boiler

3454 Union Oil Tank Farm
Brea
Install castable in gas generator

4078 Standard Oil Co.
Huntington Beach
Necessary repairs to steam generator
(A) Necessary repairs to steam generator
(B) Necessary repairs to steam generator

4879 Long Beach
Repair damaged cover and reinstall on heat exchanger

NATIONAL SCREW & MANUFACTURING CO. OF CALIFORNIA

8275 - Los Angeles 22 - Install Acid-Brick Linings in Two (2) Pickling Tanks

9264 - Los Angeles - Acid - proof Brick Lining in Sump

5074	Los Angeles Repairs to pickling tank	
5696	Los Angeles Wire Mill Plant Repairs to pickling tank	5/69 HWB
6104	Repair Acid Pickling Tank	1/70
7194	Los Angeles Repair Pickling Tank	5/72

NATIONAL SHIP SERVICE CO., INC.

5416 - S. S. "Oxford" (APA-139)
Renew Floors and one Back Wall in Two (2) Blrs.

5536 - U. S. S. "Rowen (DD-732)
Repairs to #1, #2, #3 & #4 Boilers

5538 - S. S. "Pratt" (DE-363)
Labor Only - Two (2) Boilers

5539 - U. S. S. "Goss" (DE-444)
Labor Only - Two (2) Boilers

5540 - DE-360 - Labor Only - Two (2) Boilers

NATIONAL STANDARD COMPANY

11443	Los Angeles Design and supply supervision panel and control system for hot tanks	2/80 RAB
11566	Santa Fe Springs Furnish and supply burner components and flame supervision panel for dryer tank	5/80 RPA

NATIONAL STEEL & SHIPBUILDING CORP.

7578 - San Diego - Sulphuric Acid Tank Lining

NATIONAL SUPPLY DIVISION
ARMCO STEELCORPORATION

3870	Torrance Design and construct one 11'0"x21'0" forge furnace
5100	Torrance Design and construct 22' x 30' car bottom heat treat furnace
"A"	Torrance 8/27/69 Place insulating castable in furn. floor
5225	Torrance Labor to reline 50 ft car bottom furnace
A	Supply Material 7/31/68
5575	**Torrance** **WRS** **Labor & Material to Reline #2953** **2-12-69**
	Press Forge Furnace.
6123	Labor to install Paco lining in 2/70 #2950 Press Forge Furnace
7327	Torrance Adjust and recalebrate carbottom heat heat treet furnace #3051 (ref. J-5100) 8/23/72
7766	Torrance Design and Construct portable heat Treating Furnace
10391	Torrance - Nec. Repairs to Hood Furnace 6/78

NATIONAL SUPPLY COMPANY

3138 - See Natural Gas Equipment Co.
Torrance - Four (4) Heat Treating Furnaces

NATIONAL TANK & MFG. COMPANY

1228 - Los Angeles -

Brick lining one (1) Jacketed Tank 18"x43"

2106 - Los Angeles

Furnish and install Refractories, Insulation and Burners for Rubbish Converter Furnace

NATIONAL TANK AND MFG CO (Continued)

4188 Los Angeles
Install lining in inert gas generator

4549 Los Angeles
Gunite linings, vessels #D103 #D106 and #D107

(A) Gunite below grid support rings (2)

4835 Los Angeles
Gunite lining vessel D502

A) Gunite lining D1065 vessel

6891 Los Angeles
Line Inert Gas Generator 9/71

8136 Gulf Oil Co 3/74
LA RCN
Refractory lining COS/CS2 converter

9706 Carson Yard
Line Gas Generator 3/77

NATKIN INDUSTRIAL MAINTENANCE

13911 El Segundo
Concrete repairs to
Coker Chute Support 4-85

NATURAL GAS EQUIPMENT COMPANY

2767 - General Cable Co.
(Job Cancelled)

2844 - Scudder Food Products Company
Potato Chip Furnace

2882 - Southwest Welding Co. - Alhambra
Repairs to Two (2) Heating Furnaces

2946 - Globe Union Manufacturing Co.
Lead Melting Furnace

3138 - National Supply Company - Torrance
Four (4) Heat Treating Furnaces

NATURAL SODA PRODUCTS CO.

2958 - Keeler - Brine Heater of Monohydrate Plant

2990 - Keeler - Repairs to #7 Roaster & Ash Furnace

3036 - Keeler - Two (2) Brine Heaters

3120 - Keeler - Two (2) Brine Heaters

3568 - Keeler - Fireshapes in Two (2) Locomotive Type Boilers

3646 - Keeler - Furnace Repairs

3650 - Repair Arches of Furnace

4468 - See Stone & Webster Engineering Corp.
Keeler - Brick Setting for One (1) 72" x 20'-0" 200 h.p. HRT Boiler

6154 - Keeler - #1 Burn Heater - Firebox Brickwork Reprs.
(A) - Brickwork Repairs to HRT Boiler

6443 - Keeler - To Repair Fireboxes

7475 - Keeler - Furnace Brickwork Repairs

NAVAL BASE LOS ANGELES, U. S.
(also under U. S. Naval Base Los Angeles)

6891 - Long Beach Naval Shipyard - Long Beach
Repairs to Boiler #1 of Heating Plant

NAVAL AIR STATION

3587 - See R. G. Meyler
Golden & Trepte
San Diego - One (1) 4-Drum Y.L.C. 14 Boiler

4854 - See Oil Field Construction Co.
San Diego - Brickwork - Seven (7) 505 h.p. Type "O" Union Iron Works Bent Tube Water Tube Boilers

9543 Camass Co - San Diego 11/76
Repairs to Electric Furnace

NAVAL CONVALESCENT HOSPITAL

4855 - See Jack Leo Plumbing Co.
Banning - Brick Base for Three (3) Economic Blrs.
(A) - Repair Linings in Three (3) Economic Boilers

NAVAL FIRE FIGHTING STATION

12885	San Diego, CA Install refractory in afterburner and fire training room	12/82
A	Repair sidewall and afterburner cont. $2,000.	

NAVAL HOSPITAL
(also under "U. S. Naval Hospital)

2109 - San Diego - One (1) 300 h.p. Heine Type Boiler

2201 - See U. S. Navy Base Hospital - San Diego
Four (4) 72" x 18'-0" HRT Boiler

4183 - See Morse Boulger Destructor Co.
Corona - Incinerator

4184 - See Wm. Simpson Construction Co.
Corona - Incinerator Stack Lining

5062 - See Morse Boulger Destructor Co.
Long Beach - Incinerator Alterations and Repairs

5124 - See Morse Boulger Destructor Co.
Corona - Alterations to Incinerator

5413 - U. S. Naval Base - Public Works Dept.
Corona - Brickwork Repairs to Two (2) Class "J"
No. 15 Connelly Boilers

5586 - U. S. Naval Base - Public Works Dept.
Corona - Brickwork Repairs to Firebox of One (1)
Cleaver-Brooks Boiler

6001 - See U. S. Naval Base, Public Works Dept., Term.Is.
Corona - Reline Two (2) Model OB-20 Cleaver-
Brooks Boilers

NAVAL OPERATING BASE RECEIVING STATION

4244 - Morse Boulger Destructor Co.
Terminal Island - Erect Incinerator

NAVAL ORDNANCE TESTING STATION - U. S. NAVY

4660 - See Oil Field Construction Co.
Inyokern - Brickwork for Five (5) 299 h.p. Union Iron Works Boilers

4907 - See English & Lauer, Inc.
Inyokern - Brick Setting for Three (3) Economic Type #126 Boilers

6258 - See General Tire & Rubber Company of Calif.
Inyokern, China Lake, Calif.
Labor to Line G. E. Furnace

6282 - See General Tire & Rubber Company of Calif.
Inyokern, China Lake, Calif.
Repairs to Four (4) Ajax Furnaces

9865 - (In our shop)
Labor & Mater ial to Line One Apex Salt Bath Furnace

1574 - Naval Ordnance Supply Depot - Work done at General Electric - Sanford St., Los Angeles
Tear out and Renew Lining in GE Furnace

NAVAL RECEIVING STATION, U. S.
(also under "U. S. Naval Receiving Station")

6615 - Long Beach (Terminal Island) - Heating Plant -
To Repair Boilers #1 and #2

NAVARRO APARTMENTS

2510 - Repairs to Heating Boiler

NO. 601-11R E-H PRES U.S.A.

N A V REC PRO

8321 USS Wyandot 6/74
Port Hueneme
- Repairs to port boiler

NAVY SUPPLY DEPOT

4732 San Pedro
Necessary repairs to 2 boilers

NELCO PRODUCTS

13634	Anaheim CA	9-84
	Repairs to Incinerator	

NEVILLE CHEMICAL CORPORATION - Anaheim

1360 - **See Thompson Tank & Mfg Co Inc**
Lining Heater

10953 - Anaheim - Repair oil Heater 5/79
See Thompson Mfg

11860 Anaheim 11/80
Repairs to oil heater

12364 Anaheim 9/81
Repairs to #1 boiler

NEIL, WM. P., COMPANY, LTD.

6026 - Ford Motor Company - Los Angeles
To Construct an Incinerator

NEVIS OPERATORS COMMITTEE

9984 See The Fluor Corporation Ltd.
Nevis, Alberta, Canada
Construct One Hot Gas By-Pass Valve

NEWBERRY CORPORATION

11759	TALLEY CORP Newberry Park, CA Repairs to Pacific scientific box furnace	8/80
11831	TALLEY CORP/Newberry, CA Repairs to pacific scientific box furnace	10/80

NEWHALL REFINING COMPANY - Newhall

5830	Rebuild fire brick lining in side wall and front wall of one (1) HRT boiler	
7507	Newhall Refracyory and insulation lining for one (1) fired heater	
9678	PROCON- Santa Fe Springs Install burner tile in 6 Burners	3/77
11018	PROCON - Newhall Nec repairs to new furnaces	7/79
A	Rework new furnace	9/79
11130	THE BEN HOLT CO - Newhall Install fire proofing on series of vessels skirts and pipe racks	8/79
11135	PROCON - Newhall Nec. repairs to the F1-101 heater	8/79
11175	THE BEN HOLT CO - Newhall Modify refractory lining as req1d to install john zink lo nox burners	9/79 RCN
A	Furnish bu r ner tile	1/80
11179	Newhall Nec. repairs to petrochem heater	9/79 CO
11257	PROCON - Newhall Repair A-101 combustion reactor	11/79
11258	PROCON - Newhall Construct supervisors office of concrete block	11/79
14597	Carson Yard Fabricate combustion chamber and burner	1/87

NEW YORK MERCHANDISE COMPANY

5421 - See Morse Boulger Destructor Co.
Los Angeles - Construction of One (1) Type 2-R
Incinerator

NEW YORK OHIO CHEMICAL CORP.
AFILIATED WITH STAUFFER CHEMICAL COMPANY

4760 - Dominguez - Reline One (1) 5'x5' Acid Tank
(A) - Acid Brick Lining in One (1) 10" - 12" C. I. Eccentric Reducer

4973 - Dominguez - Acid Brickwork Repairs

5831 - Dominguez - Install Acid-Proof Brick Lining in One (1) 12'-0" dia. x 7'-0" high Reaction Vessel

NICHOLS CONVEYOR & ENGINEERING CO.

6894 - Los Angeles - To Reline Ball Mill Door

NICHOLS ENGINEERING & RESEARCH CORP.

6027 - **City of Beverly Hills**
To Line One (1) 7'-6" I. D. Brick Lining x 110' high Self Supporting Steel Stack for Municipal Incinerator. (Labor Only)

6350 - City of Beverly Hills
Repairs to Incinerator Flue

7753 - City of Glendale - Glendale, Calif.
Municipal Incinerator Repairs

7747	Orange County water district Fountain Valley Refractory linings to multiple hearth furnace.	7/73
A	Materials supplied	5/74
9361	Pomona - Labor to Install Refr. Lining in one 4'6" ID x 6 hearth Sludge Incinerator.	7/76
"A"	Extra Labor & Material	10/76

~~NORAIR DIVISION~~
~~NORTHROP CORPORATION~~

2076 - ~~See Southwest Welding & Mfg. Division~~
~~Yuba Consolidated Industries Inc~~
El Segundo
Apply and install refractory Lining in Pebble Heater

2497 - Hawthorne - Labor & material to renew baffle tile & castable refractories on lower half of rear wall on two (2) Cleaver-Brooks Boilers

3126 - Hawthorne - Repair Valve Throat in Pebble Htr.

2822 - El Segundo

Repair Pebble Air Heater

3263 Northrop Corporation

Labor and material to repair Pebble Air Heater

SEE OTHER PAGE →

NISSEI SANGYO CO LTD

9612	Tokyo, Japan - ARAMCO-Saudi	1/77
	Furnish 24 #WCS-GF-SP Thorpe Burners	
10269	Tokyo, Japan - Thermal Oxidizer	3/78
	Spare Parts	
"A"	Spare Burner	6/78

NISSIN FOODS USA CO INC

9080	Gardena - Brick New Noodle Fryer	12/75
9192	Gardena - Nec Repairs to #3 Noodle Cooker	3/76
9797	Gardena - Repair #1 & #3 Cooker	5/77
12731	Gardena, CA Repairs to #3 noodle cooker	7/82

Name Changed to NL Industries

KIRK, MORRIS P., & SON, INC.

4040 - Los Angeles - Brickwork--Battery Case Incinerator

4518 - Los Angeles - Brickwork Repairs to Reverb. Furn.
(A) - Brickwork Repairs to Large Incinerator
(B) - Repairs to #2 Pot Furnace

4608 - Los Angeles - Line Conveyor Chutes
(A) - Reline Combustion Chamber
(B) - Blast Furnace Fume Line

7947 - Los Angeles 23 - To Install Refractory Lining in New 100-ton Lead Reverberatory Furnace

7985 - Los Angeles - To Line 20-Ton aluminum Revert
(A) - Labor only to Construct Lead Furnace Stacks
(B) - To Repair Stack of Aluminum Furnace

8226 - Los Angeles - Gunite Roof of Lead Furnace
(A) - Re-gunite Roof of Lead Furnace

8449 - Los Angeles - Rebrick One (1) 100-ton Lead Furnace

9296 - Los Angeles - Design and Supply Combustion System for Battery Softening Furnace

3956 Los Angeles
Labor only to line lead melting furnace and flue

4923 Los Angeles
Labor to repair lead melting furnace

PIONEER ALUM.

6089 Design and construct #1 Aluminum Chip Melting Furnace 1/70

MORRIS P KIRK

8131	LA Refractory repairs to north lead blast furnace flue	3/74 RCN

Name changed to NL Industries

NI INDUSTRIES

13828 Vernon CA 2/85
Rebuild Salt Pot

N L INDUSTRIES

8061	LA Nec. repairs to reverb furnace	1/74
8171	Vernon Repair lead crucible	3/74
8348	LA Repairs to tilt furnace	7/74
8465	LA Repairs to #10 Outlet Pot	9/74
8474	LA Repairs to Lead Pot	9/74
8569	LA Nec repairs to Tilt Furnace	11/74
8692	Rawley, Utah Furnish 1 Damper Assembly	2/75
8738	LA Repairs to Downcomers	5/75
8895	Rawley, Utah Furnish Damper Assembly	7/75
9073 "A"	LA - Reline North Blast Furnace & Crucible Extra Material	12/75
9197	Vernon-Install Refractory Lining in New Settling Chamber	3/76
9282	Los Angeles-Refractory Repairs Tilting Lead Furnace	5/76

N L INDUSTRIES

9306	Los Angeles - Install 2 Burners in Lower South Wall. Patch Misc. Holes.	6/76
9322	Los Angeles - Repairs to Roof of South Blast Furnace	6/76
9343	Lefort Co., City of Industry-Repair Pickling Tank	
9422	Los Angeles - Repairs to Lead Reverb Furnace	
"A"	Extra Material 9/76	8/76
9427	Los Angeles - Repairs to #8 Pot	7/76
9623	Los Angeles - Refractory Repairs to Fume Chamber & Trail Off of Tilt Lead Furnace	1/77
9676	Los Angeles - Repairs to #3 Pot Furnace	3/77
9778	LA - Install 2 Burner Tile #3 Pot	5/77
9930	LA - Replace Slag Line on Tilt Reverb Furnace	8/77
9992	LA - Repair #12 Lead Pot	9/77
10071	LA - Remove & Replace Refractory Lining #5 Soft Lead Pot.	11/77
"A"	Standby Time	
10105	LA - Refractory Repairs to Lead Reverb Furnace	12/77
"A"	Extra Work	
"B"	Repair Roof Section	
"C"	Repair Sidewall - North & South	

N L INDUSTRIES

10106	LA - Repairs to North Blast Furnace	12/77
10107	LA - Repairs to South Blast Furnace	12/77
"A"	Repairs to So. Blast Downcomer Walls & Floor	
10108	LA - Refractory Repairs to North Blast Downcomer and Afterburner	12/77
"A"	Install Brickwork on North Uptake Wall on North Blast Furnace	
10109	LA - Refractory Repair to Lead Tilting Furnace	12/77
"A"	Extra Work	
10130	LA - Repair the South Blast Furnace Downcomer Roof	12/77
10137	LA - Install Owner Furnished Tile in Roof of Trail on Tilt Reverb, Also do Southeast Sidewall	12/77
10197	LA - Repairs to the #8 Lead Pot	2/78
10205	Vernon - Install Lining in South Blast Crucible.	2/78
"A"	Rebrick NL Used Wrong Brick	
10232	LA - Repairs to North Blast Crucible	2/78
10284	LA - Install Refractory Lining in #11 Pot	3/78
10318	LA - Rekey Reverb Arch	4/78
10335	LA - Nec Repairs to Tilt Furnace & Trail	4/78

NL INDUSTRIES

10339	LA - Repair Arch	5/78
10351	LA - Line Crucible	5/78
10371	LA - B rick 2 Crucibles	5/78
10385	LA - Line Crucible	6/78
10411	Tearout & Replace N.E. Sidewalls of Reverb Furnace.	6/78
"A"	Section of Wall around burners of reverb.	6/78
"B"	Nec repairs to north Blast blast furn. afterburner	
10452	LA - Repairs to a Tilt Reverb	7/78
10475	LA - Nec Repairs to Crucible	8/78
10492	LA - Nec Repairs to North Blast Furnace	8/78
10527	LA - Nec Repairs to Crucible	9/78
10545	LA - Repair Lead Reverb	9/78
10562	LA - Repairs to North Reverb	10/78
10565	LA - Repairs to North Blast Furnace	10/78
10587	LA - Replace Portion of Reverb Roof	10/78
10603	LA - Repair Tilt Furnace Pot	10/78
10607	LA - Repairs to Crucible	10/78
10608	LA - Repairs to No. Wall of Reverb Furnace	10/78
10627	LA - Repairs to Tilt & South Blast Crucible	
"A"	Repairs to Reverb	11/78
10646	LA - Repair Hot Patch Lead Reverb Arch	
10657	LA - Gunite Downcomer	11/78
10680	LA - Repairs to Reverb Furnace	12/78

NL INDUSTRIES

10700	LA - Repairs to Lead Reverb (Arch)	12/78
10732	LA - Repairs to Lead Reverb	1/79

NL RIG

11446	Brea Reconstruction of throrpe hood furnace	3/80 WRS
11447	Brea Indirect fired hood furnace	WRS 3/80

Now under Shaffer, N.L.

NOOTER CORPORATION

4222	St. Louis, Mo. STANDARD OIL COMPANY El Segundo Necessary repairs to top head of regenerator	
(A)	Tear out existing liner and dome of regenerator	
(B)	Tear out of plenum chamber to lighten load	
(C)	Miscellaneous repairs to inside of regenerator cat riser on V-20	
(D)	Build scaffold in regenerator	
(E)	Remove scaffold in refenerator	
10850	Hurley, New Mexico - Install refractory lining on #3 & 4 waste heat boilers	4/79
"A"	Refractory repairs to #6 boiler	4/79
12515	C F BRUAN/MOBIL OIL Torrance, CA Third stage separator	1/82 RFB

NORAIR DIVISION
NORTHROP CORPORATION - Hawthorne, Calif.

2076 Apply and install refractory lining in Pebble Heater

2497 Labor and material to renew baffle tile and castable refractories on lower half of rear wall on 2 Cleaver-Brooks Boilers.

2822 Repair Pebble Air Heater

3126 Repair Valve Throat in Pebble Heater
A - Cast plug in top of Pebble Heater

3263 Labor and material to repair pebble air heater.

6114 Repairs to Pebble Heater 2/70

NORMAN ENGINEERING CO.

9795 - Beverly Hills - Provide Engrg. Report & Design Lining for Pebble Heater

(A) - Provide Consulting Service for Design of Refractory Lining in Sandia Pebble Air Heater

~~XXXXX~~ ~~WXLEXLABORATORIESX~~

NORRIS INDUSTRIES

See: **N. I. INDUSTRIES**

N.I. INDUSTRIESL:

13828 Vernon, CA 2/85
Rebuild salt pot

13970 Vernon
Remove salt build up
from preheat pots blds,SC 6-85

14001 Vernon
Remove salt build up
pre-heat pot 7-85

14187 Los Angeles
Repair Annealing furnace #0003 12-20-85

14211 Vernon
Repairs to surface combustion
furnace Bldg. 6 1-17-86

14221 Vernon
Repair Ajax hulgren Salt
bath 1-27-86

14271 Vernon
Repairs to surface combustion
furnace 3-20-86

14302 Carson
Reline two Salt Pot covers 4-21-86

14347 Vernon
To repair metal wash pickle
tank 6-4-86

14348 Vernon
Repair West Boiler Bldg 24 6-4-86

14372 Vernon
Repair surface combustion furnace
#4121 Bldg 5 6-27-86

14373 Vernon
Install lining on Ajax
Salt Bath furnace bldg 12 6-27-86

NI INDUSTRIES

14478	Carson Yard Line two salt pot doors	10/86
14794	**Vernon, CA** **Acid Brick Repair to Pickle Tank**	**7-31-87**
15020	Vernon, CA Refractory repairs to #1 annealing furnace #2134 Bldg. 5	3-9-88

Now N. I. INDUSTRIES

NORRIS INDUSTRIES
(NORRIS THERMADOR CORPORATION)
(NORRIS STAMPING & MANUFACTURING CO. (Former Name)

5519 - Los Angeles - Acid Resistant Brickwork in Stainless Steel Cooking Utensil Plating Sump and Trenches
(A) - Acid Resistant Brickwork - Sand Trap in Pickle Room for Porcelain Plant
(B) - Acid Resistant Brickwork - Sand Trap for Cronak Machine

6099 - Los Angeles - Reline Ball Mill
(A) - Relining Door

6220 - See L. W. Lefort Company
Vernon - Acid Brickwork for Metal Wash Machine
Extra- To Apply Acid-Proof Cement under Lead Cap
6238 - Vernon - To Install Brick Piers under Lefort Metal Wash Machine

6821 - Los Angeles - Brickwork Repairs to #4 Surface Combustion Firebox

6846 - Vernon - Brickwork Repairs to Double Roller Hearth Annealing Furnace #3--Surface Combustion

6924 - Los Angeles 58 (Vernon) - Brickwork Repairs to Surface Combustion Firebox

Norris Thermador Corporation

7266 - See N. A. Frisbie, General Contractor
Los Angeles - Acid-Proof Brickwork for Phosphate Removal Washer #3249, and #3303 Pickle and Soapcoat Machine

7300 - See MacIsaac, Menke & Roach, Inc.
Vernon - Acid-Proof Brickwork for Neutralizing Sump for Pickle and Bonderize Machine - Bldg. #3 Bays J-10, J-11 & J-12

7320 - Vernon - Repair Continuous Enamel Furnace

7356 - See L. W. Lefort Company
Vernon - Acid Brickwork Pickle Tank "A"

7362 - See L. W. Lefort Company
Vernon - To Install Acid-Proof Lining in 1 (One) rubber-lined Tank
(A) - To Install Acid Brick Piers as Directed

NORRIS INDUSTRIES

(NORRIS THERMADOR CORPORATION (contd.)

7420 - Vernon - To Install Acid-Proof Brickwork f One (1) No. 1 Metalwash Alterations to Pickle Section and the Rinse Launder Trench 33' Long

7472 - See L. W. Lefrot Company - Vernon - Acid-Brick Lining in One (1) Small Pickle Tank, per Drawing No. 9032

7699 - Vernon, Calif. - Brickwork Repairs to Ferro-Enameling Furnace

7942 - Los Angeles 58 - To Install Acid-brick Lining in Pit for #7 Pickle Machine

8067 - Vernon - To Install Acid-Brick Flooring under Acid Recirculating and Nickel Reclaim Tanks

8299 - Vernon - Brkwrk Rprs to Porcelain Enameling Furnace

9099 - See Swindell-Dressler Corporation Walnut, California - Construct a New Tunnel Kiln

8900 - See L. W. Lefort Company, Inc.
Los Angeles - Labor & Material to Install Acid Brick in #10 Pickle Section
(A) - Furnish Labor and Material to Install Acid Brick in Acid Tank - Preparation for Painting
(B) - Install Acid Brick in #8 Pickle Machine
(C) - Install Acid Brick in #3 Pickle Machine

8958 - See L. W. Lefort Company, Inc.
Vernon - Install Acid-proof Membrane and Paving; and Piers for Foundation - #3 Pickle Machine

9011 - Vernon - Furnish and Install Refractory Lining in Ajax Furnace Cover - Portable: Work done in our yard.

Nov/56 (A) - Ditto for Two (2) Covers
(B) - Ditto for One (1) Cover

Feb/57 9120 - See L. W. Lefort Company, Inc.
Vernon - Install Acid-Proof Brickwork in #10 Pebble Pickle Machine Concrete Pit

(contd.)

Now N. I. INDUSTRIES

NORRIS INDUSTRIES

NORRIS THERMADOR CORPORATION (Contd)

Apr/57

9200 - Vernon - Repair a Surface Combustion Roller Hearth Furnace

(A) - Brickwork repairs to Electric Furnace Dual-Fired Roller Hearth Furnace.

June/57

9288 - See Macco Corporation
Vernon - Install Acid-proof Brickwork in Pickling Pit

9508 - Vernon - Repair Surface Combustion Roller Hearth Furnace.

9576 - Vernon - Repair Ajax Salt Bath Furnace

(A)- Install Brick Piers Between Electrodes in ~~An~~ Ajax Salt Bath Furnace

9653 - Vernon - Repairs to Front Wall of Union Iron Works Boiler #3

9693 - Vernon - Repairs to #5 Boiler

(A)- Repairs to #1 Boiler

(B)- Repairs to #4 Boiler

(C)- Repairs to Side Walls #5 Boiler

1547 - Vernon - Necessary repairs to Polaris Hardening Furnace

1570 - Vernon - Repair Burner Throat #1 Annealing Furnace

2008 - Vernon - Miscellaneous Brickwork repairs to #5, 6, 9 and 10 Surface Combustion Roller Hearth Annealing Furnaces

(A) - Repairs to Small Electric Furnace Door Jamb

(B) - Repair Burner Tile #5 Furnace

2199 - Los Angeles - Repair ~~#3 and~~ #4 Annealing Furnaces

(A) - Repair Combustion Chambers ~~of #3 and~~ #4 Annealing Furnaces

(B)-Repair #3 Annealing Furnace

(C)- Repair Combustion Chamber of #3 Annealing Furn.

2233 - Vernon - Repair Burner Throat of #8 Annealing Furnace

2307 - Vernon - Necessary repairs to Electric Salt Pot

Now N. I. INDUSTRIES

NORRIS INDUSTRIES

NORRIS-THERMADOR CORPORATION (Continued)

2325 - Vernon - Repair Acid Brick Lining in #10 Spray Pickle Tank

2344 - Los Angeles
Repairs to #5 Stress-Furnace

(A) - Rebrick Exit Door on #10 Furnace

(B) - Replace Burner Tile on #8 Roller Hearth Annealing Furnace

2459 - Vernon
Repairs to Surface Combustion Compressed Cylinder Gas Furnace

2466 - Vernon - Repair Hearth of Spherodizing Furnace

2629 - See Noyes Roach Co - L.A. - Acidproof Brickwork for Pickle Tank, Floor Paving & Neutralizing Tank

2643 - Vernon - Russell Bolt & Mfg. Co. Division of
See L. W. Lefort Company, Inc
Line new Pickling Tank

(with Norris-Thermador direct) (A) - Reset Combustion Tube in Pickling Tank and Construct an Anti-Spray Wall of Acid Brick

2806 - Vernon -
Patch #5 Boiler

2936 - Vernon - Repair #10 Pickling Tank

2984 - Vernon - Rebrick Door of #12 Roller Hearth Annealing Furnace

3005 - See Noyes-Roach
Vernon - Line #10 Pickling Tank

3117 - Vernon - Repairs to Acid Tank Lining

3197 - Walnut - (L W Lefort Co.)
Labor and Material to install brick lining in Pickle Tank.

3211 Walnut
(See Noyes Roach Company)
Install Acid Brickwork for Pickle Bldg. "B"
(A) Install acid brickwork in one Neutralizing Sump and one Pump Discharge Pit

~~3253 XXXXXXXXXXXXXXXX~~

3298 Vernon
Repairs to Billet Furnace
(A) Repairs to Billet Furnace
(B) Repairs to Billet Furnace

3300 Vernon
Install burner in #3 Annealing furnace

3313 Vernon
Install burner in #6 annealing furnace

3402 Vernon
Necessary repairs to billet furnace

3409 Vernon
Insulate two doors of electric furnace

3515 Noyes Roach Company
Vernon
Install acid brickwork for cartridge case, plating machine, trenches and sumps

3653 Los Angeles
Remove and renew cross-wall in Ajax Salt Pot.
(A) Misc. brickwork repairs.
(B) Nec. repairs to brickwork in low temperature salt pot.

3785 Vernon
Repairs to surface combustion furnace

NORRIS INDUSTRIES **Now N. I. INDUSTRIES**

NORRIS THERMADOR CORP (Continued)

3791 Vernon
Rebrick 30"x36" salt bath furnace
A) Repair billet heating furnace
B) Repair door of billet heating furnace

3950 Vernon
Repairs to billet furnace

A) Repairs to annealing furnace

4015 Vernon
Repairs to billet furnace

4093 Vernon
Necessary repairs to #4 boiler

4167 Los Angeles
~~RXSXX~~ Reinsulate doors on the north end of electric and annealing furnace

4232 Vernon
Repairs to billet furnace

4261 Vernon
Necessary repairs to surface combustion furnace

4293 Vernon
Repairs to cover on spheodizing furnace #6

4416 Los Angeles
Repair #3 spherodizing furnace

NORRIS INDUSTRIES **Now N. I. INDUSTRIES**

4419 Noyes Roach Company
Vernon
Install acidbrick in pickle plant

4626 Vernon
Repair #1 dip pickle tank

(A) Repair #1 dip pickle tank
(B) Repair veal furnace

4633 Vernon
Install insulation in #3 annealing oven door

(A) #5 annealing oven door

4705 Vernon
L W LEFORT CO
Install acidproof linings in pickle tank, neutralizing sump and launder

4721 Vernon
Repairs to annealing furnaces - #1
(A) Repairs to annealing furnace #2
(B) Repairs to annealing furnace #3
(C) Repairs to annealing furnace #8
(D) Repairs to annealing furnace #9
(E) Repairs to annealing furnace #10
(F) Repair salt bath furnace
(G) Repairs to annealing furnace #4
(H) Repairs to #5 annealing furnace
(I) Repairs to annealing furnace #12
(J) Repairs to annealing furnace #113

Now N. I. INDUSTRIES

NORRIS INDUSTRIES

4738 MALLORY CONSTRUCTORS INC
Vernon
Repairs to acid brick trench at #6 cartridge plating machine

4832 Vernon
Rebrick two doors of elec. annealing furnace

4857 Vernon
Repair billet furnace

4877 Vernon
Repair salt pot furnaces.

A) Repair spherodizer furnace

5240 Vernon
Repair rotary hearth of furnace hearth (7/68)

5243 Los Angeles
Necessary repairs to #1 dip pickle
A) Necessary repairs to #10 pickle (7/68)

5297 L. W. Lefort Co. (8/68)
Vernon DEA
Repair pickle tank in wheels department

5339 Vernon (8/68)
Repair #10 annealing furnace WO

Now N. I. INDUSTRIES

NORRIS INDUSTRIES - VERNON (unless otherwise noted)

5494	Repair B+W Boiler #5	12/68
5763	Repair #10 Annealing Furnace	6/69
5774	Repair #1 Dip Pickling Tank	6/69
5823	Repair Electric and Draw Surface Combustion furnace	8/69
5823A	Replace 3 piers in acid tank	
5828	(L W Lefort) Repair #1 Pickle Tank in Wheels Dept	8/69
5964	(L W Lefort) Acid brick lining for pickle tank, #8 Pickle Machine	10/69
6029	Repair spherodizing furnace	12/69
6129	Repair draw furnace	2/70
6161	(Maywood Repair Lindberg Slot Type Draw Furn.	3/70
6161A	Repair Lindberg Slot Type Draw Furn.	
6161B	Supply Bigelow beam tile	
6355	Reline door on Draw furn. #4129	7/70
6386	(Maywood) Repair #2 Lindberg Furn.	9/70
6387	(Maywood) Repair #2 Lindberg Furn	9/70
6407	(Maywood) Repair #1 Furnace	9/70
6422	(Maywood) Repair #1 Hearth Furn.	9/70
6424	Repair #1 Pickling Tank	9/70
6430	(L W Lefort) Install acid brick lining, #3 Pickle Tank	10/70

continued... **Now N. I. INDUSTRIES**

NORRIS INDUSTRIES (VERNON unless otherwise noted)

6516.	Repair Electric Furnace	12/70
6559	(L W Lefort) Install acid brick lining in one pickling tank	1/71
6669	Repairs to #1 Dip Pickling Tank	4/71
7074	Repair Electrical Furnace	2/72
7157	Repair #1 Dip Pickling Tank	4/72
7197	Maywood Repair #1 Hard Furnace	
"A"	Repair #1 Draw Furnace	
"B"	Additional Repairs #1 Hard and #1 Draw Furnaces	5/72
7199	Maywood Install Insulation in Five Burner Boxes in Paint Department	5/72
7243	Maywood Repair #2 Hard Furnace	
"A"	Repair #2 Draw Furnace	6/72
7330	Maywood Necessary repairs to #1 Draw Furnace.	8/24/72
7382	Maywood Repairs to #1 Draw furnace and #1 Hard furnace.	10/72
7428	Maywood Necessary repairsto #1 draw furnace and #1 hard furnace.	11/72

NORRIS INDUSTRIES **Now N. I. INDUSTRIES**

7487	Maywood Repairs to #1 Hard Furnace	12/72
7495	Maywood Repair #1 Hard Furnace	12/72
7508	Maywood Repair #2 Hard Furnace	1/73
7721	Vernon Repair Sunbeam Furnace	6/73
7783	Maywood Necessary repairs to #1 Hard and #2 Draw Furnaces	7/73
7908	Maywood Repair #1 hearth furnace	10/8
7931	Maywood Nec. repairs to #1 and #2 Draw furnaces and #1 and #2 Hard Furnaces	10/26
7989	Carson yard One furnace door to be recast	12/5
8040	Maywood Nec. repairs to #1 Har furnace	1/10
8188	Vernon-Carson Yard Furnish insulating firebrick and drill hole	4/74
8202	L W Lefort Co City of Industry To reline two pickling tanks	4/74

8261	Nec. repairs to #1 hard furnace	5/74
8320	Repairs to #1 hard furnace	6/74
8406	Repairs to #1 hard furnace	8/74
8449	Vernon Install Insulating Castable in (1) Door	8/74
8461	Maywood Repair No. 2 Hard Furnace	9/74
8501	Maywood Repair to #2 Draw Furnace	9/74
8602	Maywood Repairs to #1 Hard Furnace	12/74
8646	Maywood Repair to #1 Hard Furnace	1/75
8679	Maywood Repairs to #1 Hard Furnace	2/75
8683	Vernon Nec repairs to Solar Furnace	2/75
8698	Maywood Nec repairs to #1 Hard Furnace	2/75
9009	Vernon Repairs to Solar Furnace	10/75
9162	Los Angeles Nec Repairs to the Sunbeam Furnace	2/76

Now N. I. INDUSTRIES

NORRIS INDUSTRIES (Cont'd

9162	LA-Repairs to Sunbeam Furnace	2/76
9207	Vernon-Nec Repairs to Combustion Chambers #11 Annealing Furnace	3/76
"A"	Supply Extra Material	4/76
9246	Vernon-Repairs to #9 Annealing Furnace	4/76
9262	Vernon-Repairs to #13 Annealing Furnace	5/76
9269	Vernon-Repairs to Spherodizing Unit	5/76
9290	Vernon-Nec Repairs to #1 Stress Oven	6/76
9370	Vernon-Repairs to #7 Annealing Furn.	7/76
9374	Vernon-Repairs to #4 Annealing Furn.	7/76
9387	Vernon-Repair Spaerodizing Furn.	8/76
9417	Vernon-Repair #3 Annealing Furn.	8/76
9421	Vernon-Repair #3 Spherodizing Furn.	8/76
9501	LA-Repair #2 Unit Spherodizing Furn.	10/76
9526	Vernon - Repairs to #4 Spheroidizing Furn	11/76
9530	Vernon - Install Acid Brick Work Under Phosphate Rinse Tank	11/76
"A"	Install 2 Acid Brick Piers 12/76	
9545	Vernon - Inspection & Standby Crew for Floor Under #10 Pickling Machine Tank	11/76
9546	Vernon - Repair South East Burner Solar Furnace	11/76
9554	Vernon - Repairs to the #5 Spherodizing Furnace	11/76

Now N. I. INDUSTRIES

NORRIS INDUSTRIES

9613	Vernon - Repairs to #10 Annealing Furnace	1/77
9640	Vernon - Install Brick Piers in Cylinder Div Pickling Tank	2/77
9803	Vernon - Repairs to #2 Speroidizing Lid	5/77
9832	L W LEFORT - Vernon Nec Repairs to Pickling Tank	6/77
9833	Vernon - Nec Repairs to #1 Annealing Furnace	6/77
9862	LW Lefort Co-Vernon - Install Acid Brick Lining in Solution Tank for Roller Pickling Machine	7/77
9901	LW Lefort - Vernon - Install Acid Brick Lining in Pickling Tank	7/77
9996	Vernon - Install Acidbrick Lining on Floor & Sump	9/77
10002 "A"	Vernon - Repairs Hearth Annealing Furnace Repairs to Surface Combustion Furnace	9/77
10007	Vernon - Repair Surface Combustion	9/77
10035	Vernon - Repair Surface Comb Roller Hearth Annealing Furnace	10/77

Now N. I. INDUSTRIES

NORRIS INDUSTRIES

10085	LA - Spheroidizing Furnace	11/77
10099	Vernon - Repairs to #10 Annealing Furnace	12/77
10103	Vernon - Repair #7036 Surface Combustion Furnace	12/77
"A"	Extra Work	
10120	Vernon - Acid Brick Lining for #1 Dip Pickle Rehabilitation	12/77
10185	Vernon - Nec Repairs to Main Arch of Surface Combustion Furnace	1/78
10307	Vernon - Repair Jack Arch of North End of Electric Furnace	5/78
10336	Vernon - Repair #1 Furnace in Gas Cylinder Dept.	4/78
10396	Vernon - Nec Repairs to Electric Furnace	6/78
10507	Vernon - To Replace Refractory around five Rollers of Surface Combustion Furnaces	8/78
"A"	Nec Repairs to Surface Combustion Furnace	
10625	Vernon - Reline Gantry Furnace	11/78
10633	Vernon- Install Acid Brick Floor in Chromate Conversion Area	11/78
10640	LW Lefort Co - Vernon - Install Acid Brick Lining in 2 Pickle Tanks in Macro-Etch Area	11/78
10666	Vernon - Repair Retort Furnace	12/78
10679	Vernon - Rebuild Inner Door Jamb of Surface Combustion Furnace	12/78
10713	Vernon - Repairs to Surface Furnace	12/78

Now N. I. INDUSTRIES

NORRIS INDUSTRIES (Cont'd)

10718	Vernon - Repair #4 Boiler	12/78
10968	Vernon - Seal van housing on #4 annealing furnace	6/79
11077	George Miller Construction Vernon - Furnish and install acid brick lining in neutralization pit at bldg #24	7/79
11092	Vernon - Repairs to annealing furnace	8/79
11112	Los Angeles - To repair surface combsution furnace	8/79
11139	Vernon - Repairs to the surface combustion furnace	8/79
11167	Vernon - Repairs to annealing furnace. Furance #1	8/79
11188	Vernon Repairs to rotary hearth	9/79 CO
11274	~~XXXXX~~ Vernon Replace 5 rollers in the surface combustion furnace.	11/79
11311	Vernon Necessary repairs to gentry draw furnace.	12/79

11859	Vernon Repairs to gantry furnace	1/80
11444	Vernon Cast one burner	3/80
11457	T M COSS COMPANY Vernon Install acid brick paving in building #25	3/80
11537	L W FEFORT CO/Vernon Install lining in pickler tank Building #25	4/80 RFB
11678	Carson Yard Remove refractory from copper coil	7/80
11875	Carson Yard Remove refractory from copper coil	11/80
11935	Vernon Repair surface combustion furnace	12/80
12069	Vernon Repairs to surface combustion furnace	3/81
12085	Vernon Repairs to surface combustion furnace	3/81
12356	L W LEFORT Vernon, CA Furnish and install lining in pickle section solution tank	9/81 RCN

12378	Vernon, CA Install acid brick lining on two foundations	10/81 RCN
12418	Vernon Repairs to surface combustion furnace in Bldg #25	10/81 RCN
12428	Vernon Repairs to surface combustion furnace complete including new stainless steel inner vestibule discharge door	11/81 JEA
12436	Vernon Repairs to salt pot	11/81
12439	Carson Yard Repairs to portable furnace	
12464	Vernon UNITED RIGGERS Repairs holdroft industrial furnace	12/81
12468	City of Industry, CA Repair #3 kiln	12/81
A	Furnish material	12/81
12475	Vernon Repairs to #4 annealing oven	12/81

12585	Vernon, CA Repair one roller of the surface combustion furnace	3/82
12700	Vernon, CA To service combustion furnace #7036	6/82
12764	Carson Yard (Vernon) Insulate doors for upton salt pot	8/82
12766	Vernon, CA Repairs to surface combustion furnace	8/82
12816	Vernon, CA Tox rebuild gantry door and repair furnace	10/82
12869	Vernon, CA Repair surface combustion furnace Bldg. 26	11/82
13032	**Repair to exit vestibule inner door jamb on surface combustion hardening furnace**	5/83
13091	**Insulate exit door surface combustion furnace**	6/83
13350	Vernon, CA Insulate Salt Pot Door	2/6

NORRIS INDUSTRIES Now: N I INDUSTRIES

13154 Repair gantry furnace 8/83

13199 Surface combustion furnace repair 10/8?

13270 Vernon, CA 12/6
To line two salt pot doors

13282 City of Industry, CA 12/15
Modify 52 kiln cars

13302 Vernon, CA 12/29
Repairs to surface combustion furnace

13275 City of Industry, CA 12/9
Repair #1 Kiln

13435 Vernon, CA 4/84
Repair Annealing Surface
Combustion Furnace BLDG 25

13488 Vernon, LCA 5/84
Repair #1 Annealing Furnace

A- Steel Work By Steel Erection

13504 Vernon, CA 6/84
Install Acid Brick Lining in MLR Lube
Line BLDG #5

13528 Vernon, CA 6/84
Furnish New Burner Tile, Casting and
Repair Existing Burner Annealing Furnace
#24

13538 Vernon, CA 7/84
Repairs to Surface Combustion Furnace

13540 Vernon, CA 7/84
Repair Unit Solution Heat Treat
Furnace

NORTH AMERICAN AVIATION, INC.

8764 - See Petroleum Construction Company
El Segundo - Install Refractory & Insulation
Lining in One (1) Petro-Chem Heater

9150 - See Southern Engineering & Construction Co., Inc.
El Segundo - Brick Two (2) Heat Treating Furnaces

9998 - See General Electric Co.
Rocketdyne Division - Canoga Park
Complete Brickwork on G.E. Furnace
(A) - Repairs to GE Furnace

1141 - See Pacific Crane & Rigging Inc.
El Segundo - Labor and Material to Acid Brick
Line One (1) Steel P.V.C. Lined Tank

1150 - See General Electric Company
Rocketdyne Division - Canoga Park
Repairs to GE Furnace

1394 - See Ofcco Constr Co - Long Beach
Necessary repairs to Two Marine Type Boilers

2607 - Wilmington (Our warehouse)
Labor only to reline Door

2756 - See Autonetics, Division of
Anaheim - Repair Refractory and Insulation
lining on Two (2) Ajax Boilers

2859 - El Segundo
Repairs to Cleaver-Brooks Boiler

2864 - See Twyman Engineering Co.
(work to be done at Shelton Welding, L.A.)
Tubular Air Heater Lining

3063 - Los Angeles
Repairs to #3 Cleaver-Brooks Boiler

NORTH AMERICAN AVIATION (cont'd)

3266	SMITH ~~Smith~~ Crane & Rigging Co. Los Angeles - Repair roofs in Hevi-duty furnace
3377	Los Angeles Repairs to Cleaver-Brooks boiler model CB-423x500
3922	Twyman Engineering El Segundo Repair electrical heater

NORTH AMERICAN MFG. CO.

13343	Bakersfield, CA At Fullerton Repair Fire Tube Boiler	2/2
13777	Shultz Steel Cleveland Oh Install New Pilots on Rotary and ' Box Furnace	1/85

NO. AMERICAN REFRACTORIES

14002 Carson
Material Testing 7-85

NORTH AMERICAN ROCKWELL

5555 R & R Chiller & Condenser Service
Downey 1/30/69
Necessary Repairs to Power Master Boiler W.O.
Model 3 Gal.

5844 R + R Chiller Co 8-18-69
Downey
Repair # 5 Air Conditioning Furnace

7331 Atomics International
Design Chatsworth and supply preheater
and combustor. 8/24/72

A- Design and supply ducting between
vessels for Malten salt testing facility. 9/20/72

B- Labor and some material to install
refractory lining in vessel. 9/21/72

8354 El Segundo 7/74
Repair etching furnace

H AMERICAN WIRE MILLS

2311 - City of Industry
Labor only to install Acid Brick Lining
in Pickling Tank

NORTHERN NATURAL GAS CO

8682	Ralph M Parsons Hobbs, New Mexico Design and supply 1 Thermal Oxidizer	2/75

NORTH ONTARIO DRIED FRUIT COMPANY

5659 - Los Angeles - Repairs to Brick Wall

NORTHRUP CORPORATION

(Formerly Northrup Aircraft, Inc.)

9344	El Segundo Rebrick one G. E. Tool Room Furnace	
9353	El Segundo Repair one Steam Boiler	
2497	Hawthorne Labor and material to renew baffle tile and castable refractories on lower half of rear wall on two Cleaver-Brooks boilers	
2822	Norair Division El Segundo Repair pebble air heater	
3263	Norair Division Hawthorne Labor and material to repair pebble air heater	
3572	American Boiler Works Necessary repairs to Cleaver-Brooks boiler	
3590	Northrup Corp Hawthorne Necessary repairs to boiler #1-19	
4645	Hawthorne Ofcco Rebuild sidewall on boiler #1-15	
5968	Hawthorne Labor and material to modify nozzleport	10/69
6114	**Norair -** **Repair Pebble Heater**	**2/70**

6753	Hawthorne Repair Pebble Air Heater	6/71
14542	Carson Yard, CA Repair Refractory Brick in Oven	12-17-86

NORTHWEST PAPER CO.

4083 Pomona
Repairs to center Leahy Burner B & W #4 boiler

NORTON COMPANY

13253 Norton Company 11/83
Bechtel Corp.
Texaco, Inc.
So. Calif. Edison
Daggett, CA
Install refracatory lining in Texaco Coal Gasification unit and in radiant cooler

13657 Norton Co 10-84
So. Calif Edison
Daggett
Labor to Install Lining in Quench Gasifier

NORWALK STATE HOSPITAL

239 - See C. C. Moore & Co. Engineers
One (1) Class III #16 Stirling Boiler

NOYES ROACH COMPANY

2629 - Norris-Thermador Corporation
Los Angeles
Acid Proof Brickwork for Pickle Tank, Floor Paving and Neutralizing Tank

3005 - Norris-Thermador Corporation
Vernon
Line #10 Pickling Tank

3211] Los Angeles
(See Norris-Thermador Corp)
Install Acid Brickwork for Pickle Bldg. "B"
(A) Install Acid brickwork in one neutralizing sump and one pump discharge pit

3515 Norris Thermador Corporation
Vernon
Install acid brickwork for cartridge case, plating machine, trenches and sumps

4419 Norris Industries
Vernon
Install acidbrick in pickle plant

5177 Los Angeles
Install acid proof lining in inside neutralization pits (5/68)

NUKEM PRODUCTS CORPORATION

7204 - By Merit Western Co., Agent
Joslyn Pacific Company - Vernon
Acid Brickwork

7384 - Rheem Manufacturing Co.-Downey - To Install
Acid Brick Materials in Sand Trap

NO. 801-11E U.S.A.

NUUANU MEMORIAL PARK MORTUARY, LTD.

6913 - Honolulu, Hawaii
One (1) Moore Double-Chamber Crematory -
Material and Engineering

O'BRIEN, FREDERICK, COMPANY
(O'BRIEN, FREDERICK, PAINT & VARNISH WORKS--Former Name)

4492 - Los Angeles - Line 4 x 5' Pebble Mill

6091 - Huntington Park - Repairs to Ball Mill Lining

6453 - Huntington Park - To Repair 1,000 gal. Ball Mill Lining

6673 - Huntington Park - To Repair Lining in 1,000 gallon Ball Mill

Frederick O'Brien Company

6835 - Huntington Park - Labor only to Line:
One (1) 6'-0" x 8'-0" Ball Mill; and
One (1) 4'-0" x 5'-0" Ball Mill

OCCIDENTAL COATING CO.

14299	Van Nuys Supply combustion equipment & control equipment for production galvanizing furnace.	4-17-86

OCCIDENTAL RESEARCH CORP

9905	Carson Yard - Repairs to Butterfly Valve on Garbage Reclamation Pilot Plant	7/77
9954	Carson Yd - Repairs to Pipe Spool and Elbow on Garbage Reclamation Pilot Plant	8/77
10017	Carson Yd - Reline Spool Piece and Valve	10/77
10056	Carson Yard - Replace Refractory Lining in Butterfly Valve.	11/77
10057	El Cajon - Install Refractory Lining in Vessel #T302	11/77
"A"	Dryout	
10092	Carson Yard - Reline Pipe Spool & Valve Body	11/77
10174	Carson Yard - Install Refractory Lining in Butterfly Valve & Straight Spool	1/78
10245	Carson Yard - Repairs to 6 Pipe Spools	2/78
"A"	Dryout at Carson Yard	
"B"	El Cajon - Refractory Repairs to Afterburner	
"C"	El Cajon - Dryout of Afterburner	

OCEAN LABS

8103 Port Hueneme 2/74
Repairs to the kiln dryer

OCEAN SALT CO (1250 Panorama Dr, Long Beach)

6153	**Repair Rotary Kiln**	Mar/70
6523	Repairs to Kiln	Dec/70
6776	**Repair Burner Lining**	6/71

NORMAN PITT INC

12648	Long Beach, CA Design and furnish 12MM BTU/HR salt dryer	4/82 RPA
15093	Long Beach, CA Replace gas train system	6-7-88

OCEAN VOYAGE SHIP REPAIR

12664	Long Beach, CA "SS Atigan Pass" Repairs to boiler	5/82

O'CONNER COMBUSTOR CORP.

15173 Carson, CA 8-18-88
Test Water Cooled Door

O'CONNOR ENGINEERING LABS

8801	Carson Yd - Furnish & Install Refractory Lining in Experimental Coal Gasification Furnace.	5/75
"A"	Welding of steel plates	
14530	Bloomington, Indiana Afterburner	12/86

ODD FELLOWS TEMPLE ASSOCIATION

.6946 - Los Angeles 15 (1828 Oak St.)
Repairs to Incinerator Stack Lining

7273 - Los Angeles - Incinerator Repair

OFCCO CONSTRUCTION COMPANY, INC.

(Formerly: Oil Field Construction Company)

Oil Field Construction Company

3371 - O. C. Fields Gasoline Co. - Montebello
Two (2) Shipping Board Boilers

4225 - H. Levine Cooperage - Vernon
Settings for Two (2) H. P. Collins Water Tube Blrs

4660 - Naval Ordnance Testing Station - Inyokern
Brickwork for Five (5) 299 h.p. Union Iron Works Boilers

4772 - Marine Corps Air Station - El Toro, Calif.
Brickwork - Three (3) 400 h.p. Union Iron Works Water Tube Boilers
(A) - Apply Plastic Coating to (ditto)

4843 - Pacific Soap Company - San Diego
Brickwork - One (1) 260 h.p. Union Iron Works Water Tube Boiler, Type "L"

4854 - Naval Air Station - San Diego
Brickwork - Seven (7) 505 h.p. Type "O" Union Iron Works Bent Tube Water Tube Boilers

5028 - Shell Oil Company, Inc. - Dominguez Refinery - Watson - Enclosures for Two (2) F. W. Waste Heat Boilers
(A) - Brickwork Repairs to Waste Heat Boiler

5399 - Los Angeles Brewing Co. - Los Angeles
Brick Setting - One (1) 750 h.p. Union Iron Works Boiler

5429 - Arden Farms Company - Los Angeles
Brick Setting - One (1) 66" x 16'-0" HRT Boiler

5465 - Krieger Oil Company - Clearwater
Brickwork for One (1) 72" x 18'-0" HRT Boiler
(Cancelled--Work done with own labor)

OFCCO CONSTRUCTION CO., INC.

5581 - Van Camp Sea Food Co. - San Diego
Brick Setting - One (1) Single, type "A" Union Bent Tube Boiler

(contd.)

OFCCO CONSTRUCTION COMPANY, INC. (contd.)

5721 - U. S. Naval Air Base - San Diego
Reserve Fleet Berthing Facility
Brickwork and Insulation - Three (3) Union Iron Works Boilers
(Cancelled--Account changed to labor only and refused to accept new bid.)

5722 - U. S. Naval Repair Base - San Diego
Brickwork - One (1) 400 h.p. Union Iron Works Boiler
(Cancelled--Account escalator clause.)

5735 - U. S. Naval Hospital - Corona
Brick Setting - One (1) [illegible]

6053 (contd.)

PT - Premium Time
Extra- To Replace Castable on #2 Drum on #4 Boiler
(A) - To Relocate and to Drill Holes in Side Walls of Boilers #3 and #4
(B) - To Remove Top Course of Baffle Tile in First Pass and to Install Castable Refractory
(C) - Riley Stoker Corporation (direct); City of LA
To Patch Holes in Hot Air Duct of Boiler
Refractory & Insulation Enclosure for Two (2) New 50,000 lb. per hr. Union Iron Works Boilers and One (1) Relocated 500 h.p. Badenhausen Boiler
(A) - Repr. Section 2'x2' in No. Sidewall of Dutch Oven in No. Blr.

6722 - Tide Water Associated Oil Co. - Ventura
Setting for One (1) 300 h.p. Union Iron Works Type "L" W. T. Boiler

6723 - Los Angeles County General Hospital - Los Angeles
Setting for One (1) Union Iron Works Type "B" Steam Generator

7565 - Veterans Administration Hospital - Sawtelle-
Setting for One (1) Union Iron Works Type "A" Boiler
(A) - To Install Refractory Insulation on Front of Boiler

7829 - General Petroleum Corporation - Torrance, Calif.
Brick Setting for One (1) Union Type "VO" Steam Generator

7968 - The Texas Company - Castaic, California
To Install Lining in One (1) Petro-Chem Heater

OFCCO CONSTRUCTION COMPANY, INC. (contd.)

8515 - State of California
Fairview State Hospital
Orange County - Enclosures for Two Combustion Engineering Type 6 (VU-10)16B Boilers

8575 - The Texas Company - Wilmington
Install Refractory Lining in One (1) Born Heater
(A) - Material to Complete Born Heater Lining

8675 - Sunray Oil Corporation - Newhall
Repairs to Petro-Chem Furnace

8757 - The Texas Company - Wilmington
Install Lining on One (1) Petro-Chem Heater

9677 - Richfield Oil Corporation - Watson
Linings for Two (2) Born Heaters - Labor Only

9775 - Ofcco Construction Co., Inc.
Shell Oil Co. - Dominguez
Refractory & Insulation Material for CO Boiler

1054 - Repairs to C-E Package Boiler damaged by explosion

1070 - State of California-California Institution for Women - Corona - Labor & Mat. to Install Brickwork & Insulation for One Erie City Boiler

1098 - Holly Sugar Co. - Santa Ana
Repairs to C-E Package Boiler damaged by explosion

1194 - Signal Oil & Gas Refining Co - Bakersfield
Line Two (2) Petrochem Heaters

1394 - North American Aviation - Long Beach
Necessary repairs to Two Marine Type Boilers

1422 - Orange Products, Inc - Ontario
Repairs to B & W FF 15 #32 Boiler damaged by Explosion.

1607 - Los Angeles County Central Heating Plant
Los Angeles - One (1) Springfield Boiler damaged by explosion

OFCCO CONSTRUCTION COMPANY, INC (Contd)

1631 - Richfield Oil Company - Watson Refinery
Wilmington - Labor only to install refractory
Lining in One (1) Born Heater

~~3572 Northrup Aviation~~ **Changed To: American Boiler Works**
~~Hawthorne~~
~~Necessary repairs to Gleaver Brock Boiler~~

3591 **University of California**
Riverside
Repairs to Boiler

3665 University of Calif.
Riverside
Install refractories and insulation in one
B & W FF12 #40 Boiler

3843 Mobil Oil Company
Torrance
Install refractories in Foster-Wheeler
coker heater

3908 Mobil Oil Co
Torrance
Furnish and install refractory insulation
and aluminum lagging for Erie City
Boiler

3945 Mobil Oil Co
Torrance
Labor only to construct refractory and insulation
enclosures for one Foster-Wheeler reformer
heater

OFCCO CONSTRUCTION CO.

3982 Lewis Foods
Long Beach
Repairs to Erie City Boiler

3999 Mobil Oil
Torrance
Install refractory as directed in one petrochem heater

4133 Richfield Oil Co
Watson (Pyrolysis)
Install lining in Foster Wheeler fired heater

4161 Shell Chemical Co
Dominguez
Install lining in one petrochem heater

(A) Furnish additional material
(B) Repair heater boxes

4378 Atlantic-Richfield Company
Watson
Furnish and install refractory lining in Foster-Wheeler ethane pyrolysis heater

4462 Standard Oil Company
El Segundo
Install refractory lining in alcorn heater

(A) Supply material

4591 Torrance
MOBIL OIL CO
Repair Foster-Wheeler furnace

4629 Azusa
MILLER BREWING CO
Repairs to boiler #1

OFCCO CONSTRUCTION CO. (Continued)

4645 Hawthorne
NORTHRUP AIRCRAFT
Rebuild sidewall on boiler #1-#15

4658 Torrance
MOBIL OIL CO
Repair Erie City boiler

4671 MOBIL OIL CO
Torrance
Repair Erie City boiler

4735 CHEVRON CHEMICAL
Anaheim
Repairs to dowthern boiler

4883

(A) Furnish necessary IFB to replace damaged arch units

(B) Extra material

Labor to line one Foster-Wheeler coker heater

4975 Gulf Oil Co -Santa Fe Springs
Install refractory lining in crude heater air preheater (1/68)

5025 MOBIL OIL CO.- Torrance
Repair Foster-Wheeler C.O. Boiler

OFCCO CONSTRUCTION COMPANY (Continued)

5294	Mobil Oil Co Torrance Repair Erie City boiler	(8/68) DEA
5508	Long Beach Lunday -- Thagard Oil Co. So. Gate Install K22 Insul. Concrete and National Air Oil Burner Blocks In Floor of New Petro-Chem Heater.	12/68 W.O.
5820	Wilmington # 9 Boiler Renew first and second pass baffles and furnace floor	7/31/69
5882	Standard Oil Co El Segundo Bricking access doors	9/10
6073	Kal-Kan Foods Refractory and insulation repairs to Nebraska Boiler	Jan/70
6230	Standard Oil Co. El Segundo Repair Selas Reformer	4/70
"A"	Scaffold rental	
6364	Wilmington Repairs to hydrogen furnace insulate manifold housing	8/70
6482	B F Goodrich Co - L.A. Gunite internal lining of tank	11/70
6707	Long Beach Standard Oil Co. El Segundo Repairs to Damage in Transit on Foster- Wheeler Heater #4531	
"A"	Same as above Heater @ #4532	5/71

OFCCO CONSTRUCTION CO (Continued)

6733	**Long Beach** **Repair Field Boiler**	**5/71**
7576	Gulf Oil Santa Fe Springs Install Burner tile	3/73
7606	Gulf Oil Santa Fe Springs Furnish anchors and Litecrete 90 to line expansion joints	3/73
12862	PROCTER & GAMBLE Long Beach, CA Install lining in new Foster Wheeler boiler	11/82
13083	**HUNTWAY REFINERY** **Wilmington, CA** **Repair asphalt heater**	**6/83**
14993	**Wilmington, CA** **Refractory Repairs to 3 DCU accumulator vessels**	**2-8-88**

OGDEN ENVIROMENTAL SERVICE

14767	**San Diego, CA** Carson **(Houston)** **Refractory Lining 36"** **Transportable CVC**	7-7-87

OIL CITY IRON WORKS INC

9447 Corsicana, Texas 10/76
Supply combustion & Flame Safety Sys
for One Cupola Two-Burner System.

OHIO OIL COMPANY

4626 - See The Fluor Corporation, Ltd.
South Coles Levee (near Bakersfield), Calif.
Refractory and Insulation Enclosure for Two (2)
800 h.p. Riley Boilers

9587 - See C. F. Braun & Co - Labor & Material to
Line Two (2) Refomer Reactors - work done at
Alhambra for Coles Levee location

OIL FIELD CONSTRUCTION COMPANY - former name

SEE: OFCCO CONSTRUCTION COMPANY, INC. - New name

NO. 801-11R U.S.A.

OIL FIELD CONSTRUCTION CO. OF BAKERSFIELD

7264 - State of California - Porterville, Calif. -
Institution for Epileptics
Refractory and Insulation Enclosures for Two (2)
Union Iron Works Type "O" Steam Generators

NO. 801-11R U.S.A.

OIL OPERATORS, INC.

3207 - Long Beach - HRT Boiler

6355 - Long Beach - Boiler Brickwork Repairs

O'KEEFE & MERRITT

2866 - One (1) Enameling Furnace

2926 - Repairs to Ball Mill

2943 - Construction of Enameling Oven

2972 - Lining Ball Mill

3159 - Reline Ball Mill #4

3205 - Reline Ball Mill

3351 - Reline Ball Mill

3417 - Reline Ball Mill #4

3471 - Reline Ball Mill #3

3504 - Reline Ball Mill #2

3581 - Reline Ball Mill

6160 - Los Angeles 23 - To Line Two (2) 4 ft. dia. x 5 ft. Ball Mills

O'KELLEY-ECCLES COMPANY

2549 - Irwindale - Repairs to Afterburner on Kiln

4044 Irwindale
Repair afterburner on Kiln

OLD COLONY PAINT & CHEMICAL CO.

4601 - Los Angeles - Reline Ball Mill

6098 - Los Angeles - Reline Ball Mill

6352 - Los Angeles - To Patch Lining in Ball Mill

6753 - Los Angeles - To Reline Ball Mill

7768 - Los Angeles - To Repair Ball Mill

8915 - Los Angeles - Repair Porcelain Lining of Pebble Mill at Vicinity of Charging Door

OLD RANCHERS COMPANY

5768 - Upland - Insulation Work on One (1) Cannery Retort, One (1) Cleaver-Brooks Boiler, One (1) Hot Water Tank, and Miscellaneous Piping

(A) - Extra Pipe Insulation

OLIVE VIEW SANITARIUM

3229 - See R. G. Meyler
Three (3) Riley Stoker Boilers - Brickwork

OLSEN STEAMSHIP COMPANY

7777 - Terminal Island, Pier 228 - S. S. "Oliver Olsen"
To Tear Out and Renew Three (3) Burner Rings
in Scotch Marine Boiler

OLSON, OLIVER J., COMPANY

4691 - S. S. "Whitney Olson" - Rebrick Two (2) Boilers

OLTMANS CONSTRUCTION CO.

8196 -
(A) - For Oltmans Construction Co (Direct)
at the B. F. Goodrich Company - Los Angeles
Brickwork Repairs to Boiler #1

ALYMPIC FASTENING INC

10619	Downey - Repairs and Evaluation of GE Furnace	11/78

OLYMPIC STEAMSHIP CO.

7339 - See Firth Steamship Co.
Long Beach - Pier 1, Berth 50
S. S. "Diddo" - Renew Back Wall and Repair
Baffle in one Boiler

NO. 801-11R U.S.A.

OMERA & RODGERS

9988	Chevron USA - El Segundo Install Acid Brick Lining in 2 Manholes	9/77
10312	Atlantic Richfield - Watson Install Acid Brick in Manhole #31	4/78
'a'	Standby Time	7/78
12930	TEXACO,/Wilmington, CA Install acid brick in sump	1/83

OMNI SERVICE

10134	Witco Chemical - Carson Install refractory for radiant section transition section and convection section in a Born heater.	12/77
10566	Bethlehem Steel - Vernon - Install Acid Tile in Metallurgical Lab.	10/78
11662	PHELPS DODGE Los Angeles Nec. repairs to roller annealing furnace	7/80

ONTARIO LAUNDRY

3190 - See Southern Service Company
HRT Boiler

6688 - See Southern Service Company
Ontario - Repairs to H.R.T. Boiler

ORANGE CANNING COMPANY

8785 - See Uddo & Taormina Company
Orange - Repairs to Boilers

ORANGE COUNTY CERAMIC TILE MFG. COMPANY (See Now Orange Co. Tile Mfg. Co)

9304 - Huntington Beach - Repairs to Duppy Kiln

(A) - Repairs to Duppy Kiln

ORANGE COUNTY HOSPITAL

2565 - See C C Moore & Co. Engineers
Orange - Renew Burner Throat Tile in
FM Boiler

ORANGE COUNTY LINEN SUPPLY CO. - Anaheim

3402 - See Southern Service Co.
One (1) 170 h.p. Boiler

ORANGE COUNTY SANITATION

5314	**Fountain Valley** **Repair 2 doors on incinerator**	(8/68) WO
5287	**See J. Putnam Henck Corp.** **Huntington Beach** **Repair 2 incinerators.**	
6982	F T Ziebarth Co. Carson Repairs to Incinerator	12/71
7429	Fountain Valley see: Hoagland Engineers Furnish labor and material to construct incinerator #22 Reclamation Plant #21.	11/72
11774	Orange Repairs to incinerator #2	8/80 LEP
14546	Fountain Valley To clean and inspect the line regenerator	12/86

ORANGE COUNTY STEEL SALVAGE

9143 Anaheim - Design & Supply 1/76
Flame Safety Panel

ORANGE COUNTY TILE MANUFACTURING CO.

9755 Huntington Beach - Repairs to Tunnel Kiln

9870 Huntington Beach - Repairs to #1 Kiln

1259 Huntington Beach - Repairs to #1 Kiln
(A) Necessary repairs to Tunnel Kiln
(B) Necessary repairs to #2 Bisque Kiln

ORANGE PRODUCTS, INC

1422 - See Ofcco Construction Company - Ontario
Repairs to B & W FF 15 #32 Boiler Damaged by
Explosion.

Orange County Water District

7747	Fountain Valley Refractory linings to multiple hearth furnace	7/73
11892	Fountain Valley Replace #5 heater (@9'3" dia. nichols furnace)	1/81
11949	Fountain VAlley Repair lime furnace	1/81
13310	Fountain Valley Repairs to line regeneration furnace	1/11
14768	Fountain Valley, CA Repair Rabble Arm Teeth	7-7-87
15029	Fountain Valley, CA To Clean & Inspect Carbon Regeneration Furnace	3-17-88
15035	Fountain Valley, CA Repairs to carbon regeneration furnace	3-29-88

ORIENT OVERSEAS LINES

4773 . "Oriental Jade"
Los Angeles Harbor
Repairs to port boiler

ORION SHIPPING & TRADING CO., INC.

9143 - San Pedro, at Todd Shipyards
S. S. "Andros Lion"
Brickwork Repairs to Port & Starboard Boilers

ORMET CORP (Hannibal, Ohio)

14925	Hannibal, Ohio Design & Construct 2 - 90,000# Aluminum Melters & 1 - 90,000# Aluminum Tilter/Holder	11-3-87

ORTLOFF CONSTRUCTION CO.

7768	Arapaho Oklahoma 170" Exhaust Stack	7/20/73
7850	Arkansas, Louisiana Gas Co. Arapaho, Oklahoma Design and supply waste gas incinerator	9/73
"A"	Start-up	5/75

OSCAR MAYER PACKING COMPANY

8990 - See C. C. Moore & Co. Engineers
Vernon - Install Burner Tile in B&W Package Boiler

1180 - See C. C. Moore & Co. Engineers
Vernon - Renew Burner Tile in B&W FM Burner

2542 - See C. C. Moore & Co. Engineers
Los Angeles - Repairs to Furnace Throat in
FM Boiler

NO. 801-115 U.S.A.

OVERSEAS NAVIGATION CORPORATION

9505 - San Pedro - S. S. "Marshall"
Renew Rear Wall in Starboard Boiler

OWENS-CORNING FIBERGLAS
(Also under So. Calif. Edison)

10743	Redondo Beach - Repairs to boiler #8	1/79
11965	Compton Repairs to asphalt heater	1/81
A	Repair to heater	1/81

OWENS-ILLINOIS GLASS COMPANY

2492 - Vernon - Repair furnace 23C #2
(A) - Repairs to Stack Entrance
(B) - Additional Feeder Work

2582 - See Paramount Mfg. Company
Corona - Line Ducon Cyclone

11157 San Juan Capistrano - Reapir burner throat 9" diameter 9/79

11323 San Juan Capistrano
Nec repairs to dryer 12/79

12276 San Juan Capistrano 7/81
Repairs to combustion chamber

13279 San Juan Capistrano, CA 12/15
Repairs to dryer

14252 Portland Oregon
Const glass tank on D furnace 2-26-86

14500 Vernon 9/86
"C" furnace rebuild

A) Replace galvanizing material with "beige" material 7/87

14547 Vernon 12/86
Remove A2 machine from factory and move C1 machine to A2 position

14548 Vernon 22/88
Provide pre-painted siding for "D" furnace building addition

14661 Vernon 3/87
Moving bottle machines

OWENS-ILLINOIS GLASS

14888	Tracy, CA Repairs to C Furnace	10-23-87
14893	Chicago Hts, Illinois Repairs to B Furnace	11-2-87

OWENS ILLINOIS PACIFIC COAST CO.

3571 - Seem C. C. Moore & Co. Engineers
One (1) Class H-I #18 Stirling Boiler

6727	**Mission Viejo, California** **J D Diffenbaugh Inc** **San Juan Capistrano** **Install Refractories in one Dryer Firebox**	**5/71**
7568	El Cerrito Repair Rotary Dryer	2/73
7658	Covina Necessary Repairs to Rotary Dryer	4/73
7833	El Cerrito Repair #1 Dryer	8/28
7957	El Cerrito Nec. repairs to dryer	11/15
8033	El Cerrito Repair Furnace	11/7
8577	El Cerrito Nec. repairs to dryer	12/74
9216	San Juan Capistrano Repair to Shadow Wall	4/76
9718	**San Juan Capistrano** **Repairs to Combustion Chamber of Dryer**	**4/77**
10501	San Juan Capistrano Repairs to Dryer	8/78

11494 San Juan Capistrano 4/80
Repair east end of dryer

OWL CONSTRUCTORS

5521 Compton 1/8/69
Stauffer Chemical Co. DEA
Henderson, Nevada
Insall acid Materials in Thiol Expansion.

(A) Install acidbrick lining in manhole.
(b) In stall Pennsalt Flex Joint in expansion joints of concrete
(C) Install # 360 pump base topping at North and East walls of South blast structure
(D) Premium time for Sat. work
(E) Labor for delays in work due to dangerous fumes and fire hazard.

7605 Union Oil Company 3/73
LA Refinery
Refractory Lining Vent Stack Unit #152

7814 So. Calif. Edison - Los Alamitos Plant
Long Beach
Repairs to Born Heater.
A Remove and replace refractory between transition section and stack. 8/73

9406 Standard Oil Co. 8/76
Repairs to Boiler #39

13079 MOBIL OIL
Torrance, CA 6/83
Repairs to air preheater system

13283 Shell Oil 12/15
Waton Refinery
Repair Lummus Heater

A Supply materials

OWL TRUCK AND CONSTRUCTION CO (Long Beach)

9889 GLADDING McBEAN AND CO (L.A.)
Labor and matl to cut and rebrick six Prouty Kilns for moving.
A - Install red brick
B - Material furnished
C - Labor and Matl to join 1 Prouty Kiln
D - Labor and Matl to construct dual-burner stacks on 3 Prouty Kilns
E - Repair sections of Prouty Kiln

1108 GLADDING McBEAN AND CO (Glendale)
Furnish labor and equipment to replace red brick wall

1151 BANKLINE OIL CO (Bakersfield)
Labor and matl to install stack lining and heater refractories 2 Born Heaters.
A - Insulate roof panels, Heaters 401, 402, 403 and 405.

1691 TEXACO, INC (Wilmington)
Install KS4 refractory in 6' line

2104 MONSANTO CHEMICAL (Long Beach)
Brick lining for Calciner Discharge Hood and Air Duct

2177 MONSANTO CHEMICAL (Long Beach)
Acid brick construction for Item 1303 Support for Burner #2 Expansion
A - Rework brick insulation in Calciner Hood, Item 224
B - Acid Brick construction for Item 1303, Support for Burner #1 Expansion

3368 CHAS. PFIZER CO (Lucerne Valley)
Install Jasper stone lining, 4" thick, in 8' x 20' Ball Mill

OWL TRUCK AND CONSTRUCTION CO (Long Beach)

(continued...)

5521	STAUFFER CHEMICAL CO (Henderson, Nev)	
	Install acid materials in Thiol expansion.	1/69
5521A	Install acidbrick lining in manhole.	
6414	CLIMATE CONDITIONING CORP (Stanton, Ca.)	
	Repair front wall of Riley Boiler damaged during shipment	9/70

OXNARD AIR FORCE BASE

9515 - Oxnard - Install Firebox for Bryan
Model 522 W.T. Boiler

PMC PRODUCTAL CHEMICAL

14352	Santa Fe Springs Install ceasefire #8 boiler	6-6-86

P. M. I.

4784 AMERICAN CAN CO
(Santa Fe Ave plant)
Los Angeles
Furnish and install fume burner lining

PABCO PRODUCTS, INC.

7205 - See The Paraffine Companies, Inc. South Gate - Labor and Material to Repair Flue on #3 Calciner
(A) - To Repair Flue on #2 Calciner
(B) - To Repair Flue on #1 Calciner

7369 - South Gate - To Repair Flue of #3 Calcining Unit

7385 - South Gate - To Rebuild Detrick Arch on Furnace #3
(A) - To Rebuild Detrick Arch on Furnace #1
(B) - To Rebuild Detrick Arch & Misc. Repairs to Furnace #4

7643 - South Gate - To Repair #1 Calciner Flue

7733 - South Gate, To Repair #4 Calciner Flue

7750 - South Gate - To Repair #3 Calciner Flue

8046 - South Gate - To Repair Stacks on Calcining Units #1 & #3
(A) - To Repair Stack again on Calcining Unit #3

8257 - South Gate - Supply and Install a Replacement Breeching in Calciner Unit
(A) - Duplicate of above
(B) - Repair Stack of #4 Calciner

8375 - South Gate - Construct Air Preheaterfor Calcining System

8397 - South Gate - Supply a Replacement Breeching in Calciner Unit
(A) - Supply A Replacement Breeching in Calciner Unit

8447 - Wilmington - Repairs to Refractory Lining of 10 million BTU-CNS Heater, Damaged in Transit
(A) - Install Baffles in 10 million B.t.u. Heater

8460 - South Gate --Replace Detrick Arch on #2 Calciner Furnace

PABCO PRODUCTS INC.

~~9725 — South Gate — Replace Detrick Arch on #1 Calcining Furnace~~

PABST BREWING COMPANY

8141 - Los Angeles - Repair Brickwork Setting of One (1) Class A No. 21 B&W Stirling Boiler

8246 - Los Angeles - Repair Brickwork Setting - Boiler #3

Cancelled 9101 - Los Angeles - Repairs to Burner Arches in Supporting Piers on 750 H.P. Union Iron Works Boiler

9124 - Los Angeles - Remove Damaged Fire Brick and Reconstruct Arches and Piers on Union Iron Works Boiler

9192 - Los Angeles - Renew Burner Wall of Heil Dryer

9460 - Los Angeles - Repair Union Iron Works Boiler Damaged by Explosion

9903 - Los Angeles - Labor & Material to Make Necessary Repairs to Boiler #3
(A) - Rebuild 9" of Bridge Wall backup using Carnegie Firebrick

1505 - Los Angeles - Repair Union Iron Works Boiler #1

2560 - Los Angeles - Labor and material to repair #1 Boiler Center Burner Arch and Bridge Wall

2659 - Los Angeles - Repair Refractory Boiler #3

4217 Los Angeles
Renew end wall on heil dryer

PACIFIC ABRASIVE SUPPLY COMPANY

2161 - Repairs to Carborundum Furnace

2262 - See Schumacher Wall Board Company
Repairs to Two (2) Air Heating Furnaces

PACIFIC ALKALI COMPANY

2433 - Bigelow Arch Material

2488 - Bartlett - Delivery of Bigelow Material

2526 - Bartlett - Delivery of Bigelow Blocks

2562 - Bartlett - Delivery of Material

2583 - Bartlett - Delivery of Bigelow Material

PACIFIC-ATLANTIC STEAMSHIP COMPANY

7219 - Long Beach - S. S. "Joplin Victory"
To Repair Floor of Starboard Boiler

9049 - Long Beach - S. S. "Colorado"
Repairs to Port Boiler

PACIFIC CHROMALOX, INC.

9437 - Gardena - Rebrick Small Annealing Furnace

PACIFIC CLAY PRODUCTS

173 - Los Nietos - Two (2) 250 h.p. B. & W. Boilers

383 - Santa Fe Springs - Repair Work San Joaquin Furnaces

2035 - Extra Work for Shell Company Job

2134 - Four (4) Kiln - One (1) Stack

2818 - Tunnel Kiln

2826 - 30 Car Decks

2906 - Kiln #12 Repairs

2963 - One (1) Harrop Car Tunnel Kiln - Labor
(A) - Deck Blocks on Tunnel Kiln Cars

3112 - Lining Ball Mill

3121 - Circular Tunnel Kiln

3273 - Tunnel Kiln Repairs

3281 - Lining Two (2) Ball Mills

3295 - Line Ball Mills #1 & #4

3418 - Repairs to Muffle of Round Kiln #4

3473 - Repairs to Circular Tunnel Kiln #4

3522 - Reline Pottery Ball Mill

3529 - Repairs to Arch on Tunnel Kiln #2

3592 - Tunnel Kiln #5 Brickwork

3661 - Los Nietos - Four (4) Downdraft Kilns (Complete Brickwork)

3678 - Los Nietos - Repairs to Kiln #34

3974 - l.a. SteaPACitite Division - Ball Mill Lining

4249 - Los Angeles - Repairs to Carborundum Cooling Towers in No. 1 Tunnel Kiln

4350 - Rebuild Frit Furnace

4502 - Los Angeles - Reline Two (2) Ball Mills

5045 - Los Angeles - Rebuild Bag Walls in Periodic Kiln

5311 - Los Angeles - Remove and Replace Fire Brick Lining in Three (3) Brick Stacks

5537 - Los Nietos - Plant #6 - Allied Sewer Pipe Tunnel Kiln #1
(A) - Tunnel Kiln Car Tops

(contd.)

PACIFIC CLAY PRODUCTS (contd.)

5681 - Los Nietos - Plant #6
Rebuild 35 ft. dia. Downdraft Sewer Pipe Kiln #39
(A) - Repair Kiln #27
(B) - Repair Kiln #6
(C) - Repair Kiln #23
(D) - Repair Kiln #40
(E) - Repair Kiln #19
(F) - Repair Kiln #17
(G) - Repair Kiln #3

5682 - Los Angeles - Plant #4
Repair Brickwork of #2 Tunnel Kiln
(A) - Reline Ball Mill

5741 - Los Nietos - Insulation on Tunnel Kiln Recirculation and Preheater Duct Work
(A) - Insulate Hot Oil Piping

5804 - Los Angeles - Reline Ball Mill in Bottle Dept.

5876 - Los Angeles - Plant #4 - Repairs to Two (2) Downdraft Kilns
(A) - Repair #2 Tunnel Kiln

5899 - Los Nietos, Plant #6 - Repair Crown of #1 Kiln

(A) - Stack #4	(H) Kiln #41	(O) Kiln #37
(B) - Kiln #3 Repairs	(I) Kiln #22	(P) Kiln #28
(C) - Kiln #23 Repairs	(J) Kiln #17	(Q) Kiln # 9
(D) - Kiln #31 Repairs	(K) Kiln #24	(R) Kiln #12
(E) - Kiln #20 Repairs	(L) Kiln #44	(S) Kiln # 8
(F) - Kiln #32 Repairs	(M) Kiln #38	
(G) - Kiln #18 Repairs	(N) Kiln #11	

5900 - Miscellaneous Repairs - Los Nietos, Plant #6

5935 - Los Nietos - Insulation on Humidity Dryer

6016 - Los Angeles - Avenue 26 - Reline Ball Mill

6029 - Los Angeles Plant - Repair Circular Tunnel Kiln

6105 - Los Angeles, Plant #4 - Repairs to Kiln #5

6189 - Los Nietos - Misc. Brickwork Repairs
(Refer to Job No. 5900 for 1947)

(A) - March	(F) - August
(B) - April	(G) - September
(C) - May	(H) - October
(D) - June	(I) - November
(E) - July	(J) - December

(contd.)

PACIFIC CLAY PRODUCTS (contd.)

6264 - (Refer to Job No. 5899 for Mar. 1947 to Apr.1/48)
Los Nietos - Plant #6
Repairs to Kiln #7
(A) - Repairs to Kiln #30
(B) - Repairs to Kiln # 1
(C) - Repairs to Kiln #21
(D) - Repairs to Kiln #42
(E) - Repairs to Kiln #29
(F) - Repairs to Kiln #2
(G) - Repairs to Kiln #33
(H) - Repairs to Kiln #35
(I) - Repairs to Kiln #34

6346 - Los Angeles - Plant #4
Repairs to Kiln #16

6380 - Los Angeles - Plant #4 - Kiln #2 Repairs

6422 - Los Angeles - To Reline 4 ft. x 4 ft. Ball Mill
(A) - To Reline Ball Mill
(B) - To Reline #5 Ball Mill

6508 - (Refer to Job No. 6189 for 1948)
Los Nietos - Miscellaneous Brickwork Repairs for 1949
(A) - February 1949
(B) - March 1949
(C) - April 1949
(D) - May 1949
(E) - June 1949
(F) - July 1949
(G) - August 1949
(H) - September 1949
(I) - October 1949
(J) - November 1949
(K) - December 1949

6509 - (Refer to Job No. 6264 for year of 1948)
Los Nietos - Plant #6
Repairs to Kiln #18
(A) - Repairs to Kiln #5
(B) - To Tear Down One (1) Stack Serving Kilns #13 & #14
(C) - Kiln #6 Repairs
(D) - Repairs to Kiln #43
(E) - Repairs to Kiln #7
(F) - Repairs to Kiln #31

6515 - Los Angeles 31 - To Demolish One (1) Brick Stack

(contd.)

PACIFIC CLAY PRODUCTS (contd.)

6536 - Los Angeles - Plant #4 -
#4 Tunnel Kiln - To Replace 30 ft. of Muffle

6757 - Los Angeles Plant - To Reline Ball Mill

6793 - Los Nietos - Miscellaneous Brickwork Repairs for Year 1950
(For Year 1949, see Job No. 6508)
(A) - February 1950
(B) - March 1950
(C) - April 1950
(D) - May 1950
(E) - June 1950
(F) - July 1950
(G) - August 1950
(H) - September 1950

6794 - Los Nietos - Plant #6
Kiln Repairs for Year of 1950
(For Year 1949, Refer to Job No. 6509)
(A) - To Repair Kiln #8
(B) - To Repair Kiln #19
(C) - 35 ft. Tunnel Kiln Extension
(D) - To Repair Kiln #27
(E) - Harrop Tunnel Kiln Repair - Plant #4

6904 - Los Angeles - To Reline Ball Mill, Labor only.

7133 - Los Nietos - Plant #6
To Construct One (1) Experimental Kiln

7364 - Los Nietos - Miscellaneous Repairs to Down Draft Kilns for year 1952
(A) - January
(B) - February
(C) - March
(D) - April
(E) - e Kiln; and Flue-Kiln to Stack
(F) - Kilns #20 and #41
(G) - Kiln #37
(H) Kiln #37
(I) Downdraft Kiln
(J) Downdraft Kilns
(K) Downdraft Kilns
(L) Downdraft Kilns

7454 - Los Angeles - To Reline 3x4' Ball Mill

7622 - Pomona, Calif. - To Construct Exhibit at Los Angeles County Fair

7713 - Los Nietos - Calif - Plant No. 6
Misc.Repairs to Downdraft Kilns for Year 1953

(Contd.)

PACIFIC CLAY PRODUCTS (contd.)

7713 - (contd.)
(A) - Misc. Repairs to Downdraft Kilns & Tunnel Kiln Cars for Feb.
(B) - Misc. Repairs to Downdraft Kilns & Tunnel Kiln Cars for March
(C) - Misc. Repairs to Downdraft Kilns & Tunnel Kiln Cars April
(D) - Rprs to Downdraft Kilns & Tunnel Kiln Cars for May
(E) - Rprs to Downdraft Kilns & Tunnel Kiln Cars for June
(F) - Rprs to Downdraft Kilns & Tunnel Kiln Cars for July
(G) - Rprs to Downdraft Kilns & Tunnel Kiln Cars for Aug
(H) - Rprs to Downdraft Kilns & Tunnel Kiln Cars for Sept
(I) - Rprs to Downdraft Kilns & Tunnel Kiln Cars for Oct
(J) - Rprs to Downdraft Kilns & Tunnel Kiln Cars for Nov
(K) - Rprs to Downdraft Kilns & Tunnel Kiln Cars for Dec

8048 - Pacific Clay Products - Los Nietos, Calif
Plant No. 6 - Repairs to Downdraft & Tunnel Kiln Cars for Year 1954 - January
(A) - Rprs to Downdraft Kilns & Tunnel Kiln Cars for Feb
(B) - Misc. Rprs. to Downdraft Kilns & Tunnel Kiln Cars for March
(C) - Misc. Rprs. to Downdraft Kilns & Tunnel Kiln Cars for April
Letter for Each Month - To "L"

8325 - Los Nietos - Miscellaneous Repairs
Letter for Each Month During Year

8634 - Los Nietos - Rebuild Crown on #2 Periodic Kiln

8683 - Los Nietos - Miscellaneous Repairs for 1956

9035 - See Swindell Dressler Corporation
Los Nietos - Furnish Labor to Install Refractory and Insulation for One (1) Tunnel Kiln and Preheater
(A) - Furnish Concrete Blocks & Slabs for Tunnel Kiln

9488 - Los Nietos - Repair Laboratory Furnace & Construct Stack for Same

9524 - Los Nietos - Install Refractories in Air Heater Box (Swindell-Dressler Kiln)

PACIFIC CLAY PRODUCTS

9890 - Los Nietos - Construct Four 40' I.D. Kilns

1405 - Los Nietos - Labor & Expense to lengthen Allied Tunnel Kiln

2062 - Santa Fe Springs (Los Nietos) -- Repairs to floor of Periodic Kiln #17

(A) - Repairs to Floor of #34 Periodic Kiln

(B) - Repair Floor of #30 Periodic Kiln

(C) - Repair Floor of #22 Kiln

(D) - Repair Floor Kiln #41

(E) ~~9a2~~ - Repair Floor Kiln #27

2139 - Los Nietos - Raise side walls and arch in #1 Allied Tunnel Kiln

2234 - Santa Fe Springs - Labor only to repair floors & spoke Flues for Kilns #11 ~~#####~~

(A) - Repair floors and Spoke Flues for Kiln #31

2623 - Los Nietos - Raise Side Walls and Install new Crown on Kiln #23

(A) - Install Castable Between Fire Brick and Red Brick Lining

2671 - Los Nietos - Raise wall and install new crown on Kiln #19

3088 - Santa Fe Springs

Repair Shuttle Kiln in Research Laboratory

3215 Los Nietos

Install new door jambs for loading door and raise arch of periodic kiln #~~43~~ 41

(A) Same Periodic Kiln #43

(B) Same Periodic Kiln #42 (job card next page)

PACIFIC CLAY PRODUCTS (cont'd)

3215 - continued from previous page
(C) Same - Periodic Kiln #42
(D) Same - Repair flue system, Baq walls and door Diln #18

3420 Santa Fe Springs
Labor only to make general reprs

8113 Santa Fe Springs 2/74
Repairs to tunnel kiln HWB

8611 Swendell Dressler - Los Nietos 12/74
Modifications to #2 Kiln
"A" Repairs to extended kettle tile 1/75
in roof between buckstrap 36 & 37.

9578 Santa Fe Springs 12/76
High Velocity Burners on #45 Periodic Kiln.

10291 Santa Fe Springs 4/78
Misc Refractory Repairs

13446 Corona, CA 4/84
Modify Rapid Cooling Zone
A- Furnish Supervision for Tear-out
B- Repair Northeast Corner Firing Zone

14951 Corona, CA 12-17-87
Refractory Maintenance

PACIFIC COAST BORAX COMPANY

Refer to United States Borax & Chemical Corporatio

PACIFIC COAST CLUB

2486 - See Los Angeles Athletic Club
Repairs to Three (3) Oil City Boilers

PACIFIC COAST TRANSPORT COMPANY

2371 Long Beach
"SS Lompoc"
Necessary repairs to port boiler

2467 Wilmington
"SS Lompoc"
Necessary repairs to starboard boiler

3819 Wilmington
"SS Lompoc"
Pound plastic in port boiler

3901 Wilmington
"SS Point Fermin"
Repairs to port and starboard boilers

4252 Wilmington
"SS Santa Maria"
Repair to starboard boiler

PACIFIC COLONY - Spadra, Calif.

3213 - See R. G. Meyler
250 h.p. Riley Stoker Boiler Setting

PACIFIC CONVEYOR COMPANY

6869 Downey
Carbon Brick Lining Acid Pickling Tank 9/71

PACIFIC CRACKER CO.

3648 MILLIE AND SEVERSON INC.
Santa Fe Springs
Install Penntrowel expansion joint material in construction joints and cracks in concrete floor.

PACIFIC CRANE & RIGGING COMPANY

2998 - The Texas Company - Montebello
Three (3) 250 h.p. Llewellyn Water Tube Boilers

3591 - Belyea Truck Company
Shell Oil Company, Inc. - Dominguez
Alkylation Plant - Acid Brickwork

3763 - Shell Oil Company, Inc. - Dominguez
Acid Brickwork for Pumps

8578 - Aluminum Company of America - Los Angeles
Vernon Works - Ingot Plant - Install Refractory
and Insulation in #9 Remelt Furnace

8805 - Union Oil Company of California - Wilmington
Repair Brick Wall

~~9089---Harvey-Machine-Co.,-Inc.--Torrance~~
~~Repair-Insulation-Rings-for-Lcewy-Press~~

9824 - Convair Astronautics - San Diego
Reline General Electric Furnace per drwg. W95B894
(A) - Repair Lining in G.E. Gas Generator in
Westinghouse Gas Regenerator
(B) - Repair Two Other Furnaces

1007 - General Chemical Div. - El Segundo
Repairs to Incinerator
(A) Repairs to Incinerator

1091 - Fibreboard Paper Products Corp. - South Gate
Install Lining in Ehrsam Plastic Kettle
(A) - Repair Plastic around One Burner

1141 - North American Aviation Co. - El Segundo
Labor & Material to Acid Brick Line One
Steel P.V.C. Lined Tank
(A) - Install additional carbon brick at 3 sets of piers

1312 - Alcoa Aluminum Co - Vernon
Necessary Repairs to Ingot Furnace

PACIFIC CRANE and RIGGING CO

3736 Monsanto Chemical Co
Paramount
Install linings in phosphorous burner

(A) Rental of BTU heater and supply of material
(B) Supply material
(C) Supply material
(D) Supply material
(E) Supply material
(F) Install baffle in duct

4371 Monsanto Chemical Company
Paramount
Repairs to #3 burner

PACIFIC DIVISION BENDIX AVIATION CORPORATION
(also under "Bendix" etc.)

4703 - North Hollywood
Repairs to Heat Treating Furnace
(A) - Brickwork Repairs to Box Brazing Furnace

6041 - North Hollywood - Repairs to G-E Furnace

6467 - North Hollywood - To Reline Brazing Furnace

6701 - North Hollywood - To Repair Box-Type Electric Furnace
(A) - To Reline Air-Draw Furnace
(B) - To Repair Brazing Furnace

NO. 801-11 R ...IP... U.S.A.

PACIFIC ELECTRICAL AND MECHANICAL CO (L.A.)

6419 . CROWN CORK AND SEAL (Fullerton)
Repair stack lining for fume burner 9/70

PACIFIC FAR EAST LINE, INC.

6606 - Long Beach - Pier "A", Berth #2
S. S. "Hiram Maxium" - To Renew Back Wall, Floor, and Front Wall in Starboard Boiler

6675 - Long Beach - Pier "A", Berth 5 -
S. S. "Great Republic" - To Renew Deck Corbels and Three (3) Burner Cones in Port Boiler; and to Renew Detrick Tile and Insulation in Front Wall

7427 - Long Beach - Pier "A", Berth #5 -
S. S. "Alaska Bear" - Necessary Repairs to Boilers

7437 - Long Beach - Pier "A" Berth 5 -
S. S. "William Luckenback" - Necessary Repairs to Port Boiler

7492 - Long Beach - Pier "A" - Berth 5 - S. S. "Philippine Bear" - To Renew Front and Rear Boiler Walls.

8142 - Pier A, Berth 5, Long Beach and Wilmington
S. S. "Pacific Bear" -
Renew Brickwork Complete in Starboard Boiler

8207 - Long Beach, Pier A, Berth 5
S. S. "Free State Mariner"
Neces. Repairs to Starboard Boiler

8281 - Pier A - Berth 5 - Long Beach - S. S. "Pacificus"
Renew Rear Wall Boiler

8388 - Long Beach, Berth 187 - S. S. "China Bear"
Tear Out & Renew Rear Wall & Corbels in Port Blr

1037 - Pier A, Berth 5 - Long Beach - S. S. "Japan Bean"
Repairs to Starboard Boiler

1099 - Pier A, Berth 5 - Long Beach - S. S. "Canada Beaf
Repairs to Port Boiler

1135 - Berth 6A - Long Beach - S. S. "Old Colony Marine
Repairs to Starboard Boiler

1418 - Long Beach - SS "California Bear"
Necessary repairs to Port Boiler

PACIFIC FAR EAST LINES (Continued)

1672 - Long Beach
SS "Washington Bear" - Repairs to
Port Boiler

2142 - Long Beach
SS "China Bear" - Necessary repairs to
Starboard Boiler

2198 - Long Beach
SS "Washington Bear" - Necessary repairs to
Port Boiler

2922 - Long Beach
c/o Consolidated Marines
SS "Golden Bear"
Necessary repairs to Starboard Boiler

2990 - San Pedro
c/o Consolidated Marine
SS "Golden Bear"
Necessary repairs to Starboard Boiler

3012 - c/o Consolidated Marine
San Pedro
SS "California Bear"
Repairs to Starboard Boiler

PACIFIC FAR EAST LINES (Continued)

4353	San Pedro "SS China Bear" Necessary repairs to starboard boiler	
4368	San Pedro "SS Washington Bear" Repair starboard boiler	
5121	c/o Consolidated Marine "SS Korean Bear" San Pedro Repair starboard boiler	(4/68)
5158	c/o CMI "SS Golden Bear" San Pedro Repair port and starboard boilers	(5/68)
5159	c/o CMI "SS Washington Bear" San Pedro Repair starboard boiler	(5/68)
5651	c/o CMI "SS Calif. Bear" San Pedro Repair starboard boiler	4/69 WO
5732	"SS Thailand Bear" San Pedro Repair starboard Blr	6/4/69
7973	Consolidated Marine SS "Philippine Bear" Long Beach. Repairs to starboard boiler	11/26
7490	c/o CMI San Pedro-SS Somoa Bear Repairs to the starboard boiler	12/72

PACIFIC FAR EAST LINES Continued

8744	San Pedro SS Hawaiian Bear Nec Repairs to Starboard Boiler	3/75
9200	SS Pacific Bear - San Pedro Nec Repairs to Starboard Boiler	3/76

PACIFIC FELLOWS

8178	Carson (Mt. Yard) Install anchors in expansion joint	4/74

PACIFIC FINANCE BUILDING

3261 - Reline Firebox #2 Haverty Heating Boiler

PACIFIC FRUIT EXPRESS

155 - See C. C. Moore & Co. Engineers
Tucson, Arizona
Two (2) Class XI #20 Stirling Boilers
(A) - Insulation of Two (2) Stirling Boilers

3700 - Incinerator

PACIFIC GAS & ELECTRIC COMPANY

9221 - See Combustion Engineering, Inc.
Morro Bay - Repair Interior Insulation of
Recirculating Gas Ducts

9224 - See Combustion Engineering, Inc.
Morro Bay - Repair Interior Insulation of
Recirculating Gas Ducts, #2 Boiler

PACIFIC GOODRICH COMPANY

Refer to The B. F. Goodrich Company

PACIFIC HARD RUBBER CO.
(Division of Stauffer Chemical Co.)

2594 - Insulating Piping

3285 - See C. C. Moore & Co. Engineers
Vernon - Stirling Boiler HIII #12 Brickwork

3297 - See Stauffer Chemical Co.
Smoke Stack Brickwork Repairs

4036 - Vernon - Class "H" Stirling Boiler Brickwork Repairs

5122 - Vernon - Repairs to Incinerator

5460 - Vernon - Incinerator Repairs
(A) - Building Brickwork Repairs

6297 -(Los Angeles) Vernon - Brickwork Repairs to Building Wall

6332 - Vernon - Repairs to Class HIII #12 Stirling Blr.

PACIFIC LIGHTING COMPANY

4203 - Signal Hill - Plant #3
Install Firebox for One (1) 50 h.p. Oil Field Blr.

4276 - Signal Hill - Plant #3
Repairs to Firebox of 50 h.p. Locomotive Type Blr.

PACIFIC OCEAN PIPE CO.

14978 Carson Yard
SRU Reaction Furnace

1-20-88

PACIFIC OFFSHORE PIPE

13277	**Goleta, CA** **Inspect Thermal Reactor**	**12/13**
14443	Goleta Thermal Reaction Furnace	9-16-86
14828	**Goleta, CA** **Repairs to John Zink Flair Stack-in Which 7 Burners will be repaired**	**9-11-87**

PACIFIC PIPE & SUPPLY CO.

2496 - Title Guarantee & Trust Building
Incinerator

PACIFIC PIPELINE & ENGINEERS LIMITED

5803 - Kaiser Company, Inc., Iron & Steel Div., Fontana
Acid-Proof Linings and Gratings for Five (5)
Manholes

PACIFIC PLUMBING COMPANY

6628 - Sears, Roebuck and Co. - Santa Ana
To Install Refractories and Insulation in
One (1) No. S-268 Brownell Boiler

NO. 661-11 R : HP — U.S.A.

PACIFIC PUMP COMPANY

1304 - Huntington Park
Brickwork repairs to B & W Carolina Type Boiler

1528 - Huntington Park -
Furnish labor & material to repair One B & W Express Marine Boiler

2099 - Huntington Park
Necessary repairs to Boiler

3265 To rebuild superheater side of B&W Boiler - Express Type

5385 Huntington Park
Repair express type blr.

6652 Huntington Park 3/71
Necessary Repairs to Union Iron Works Package Boiler

7868 Huntington Park 9/73
Huntington park
Replace burner tile #1 boiler

8793 Dresser Industries Inc 5/75
Huntington Park - Replace Burner Cone Insulation

12674 Huntington Park, CA 5/82
Repairs to boiler

13361 Huntington Park, CA 2/13
Necessary repairs to boiler

PACIFIC R. & H. CHEMICAL COMPANY

2740 - Lining Aluminum Shell

PACIFIC SINTERED METALS COMPANY

8516 - Los Angeles - Supply Refractory Lining and Combustion System for One Metal Sintering Furnace

1231 - Inglewood - Refractory lining & Combustion system for One (1) Metal Sintering Furnace

2668 - Los Angeles - Install Refractories in Sintering Furnace

2840 - Gardena - Install Refractories in Sintering Furnace

3049 - Gardena
Install refractories in Sintering Furnace

3357 Gardena
Refractory lining for furnace per drawing E-101

6705 Gardena
Install Lining in 20" Retort Elevator Furnace 5/71

8341 Gardena 7/74
Labor and material to insulate two sintering furnaces RCN

9317 Gardena 6/76
Furnish Combustion & Flame Safety for Sintered Metal Furnace.

PACIFIC SINTERED METALS

9552	Gardena - Repairs to 18" Mesh Belt Furnace	11/76
10338	Gardena - Furnish Combustion Equipment & Flame Supervision Control Panel for #2 Sintered Metal Furnace	4/78
10673	Gardena - Repair 20" Retort Furnace	12/78
10956	Gardena - Supply combustion equipment sintered metal furnace	5/79

PACIFIC SMELTING COMPANY (Continued)

4396 Torrance
Labor only to renew brick lining in 6 ft. dia. rotary kiln

4466 Torrance
Repairs to reverb furnace

4586 Torrance
Repair muffle furnace

(A) Repair two dross furn

4657 Torrance
Rebuild flue on south muffle furnace

(A) Repair reverb furn

4746 Torrance
Repairs to south muffle furn

4815 Torrance
Repair #3 smelting furnace

4933 Torrance
Repair #4 draw furnace

4965 Torrance
Repair to dross furnace

5019 cancelled See S-5056 Torrance
Repair comb. arch on north muffle furnace

5056 Torrance
Repair north muffle furnace

PACIFIC SMELTING COMPANY -

3440 Los Angeles
Labor only to repair zinc furnace

3698 Torrance
Labor and equipment to repair furnace masonry

3980 Torrance
Necessary repairs to north muffle furnace

4051 Torrance
Repairs to center muffle furnace

4105 Torrance
Necessary repairs to center reverb furnace

4145 Torrance
Repairs to dross furnace

4156 Torrance
Repair #10 Furnace

4169 Torrance
Remove and replace brickwork in east reverb furnace

A) Rebrick east reverb furnace

4201 Torrance
Furnish and install lining

4306 Torrance
Necessary labor repairs to north reverb furnace

PACIFIC SMELTING CO (Continued...)
TORRANCE

5208	Labor and material to repair muffle furnace	6/68
5208A	Repair center muffle furnace	7/68
5237	Repair #3 Dross Furnace	7/68
5389	Repair #6 Dross Furnace	
5468	Labor and matl to make repairs to reverb furnace	12/68
5495	Replace arch and repair melting unit, north muffle furnace	12/68
5642	Repair #1 furnace	4/69
5702	Repair center muffle furnace condenser #2 muffle furnace	5/69
5711	Construct #4 Muffle Furnace	5/69
5778	Repair #2 Muffle Furnace	6/69
5808	Repair arch on rolling mill furnace	7/69
5808A	New lining in rolling mill	8/69
5861	Repair retort furnace	8/69
6002	Labor and matl to replace muffle arch on #1 furnace	11/69
6299	Labor to rebuilt 3 retort furnaces	6/70
6345	Repair #2 muffle furnace	7/70
6360	Repair #3 muffle furnace	7/70
6410	Repair #5 muffle furnace	9/70
6411	Repair vibrating hearth furn	9/70

PACIFIC SMELTING COMPANY (Torrance)

(Continued...)

6511	Repair #4 Muffle Furnace	12/70
6558	Repair #3, #4, and #5 Muffle Furnace and vibrating hearth	1/71
6895	Repair #5 Muffle Furnace	9/71
6907	Repair #2 Furnace	10/5/71
6994	Repairs to #1 Muffle Furnace	12/20/71
7004	Repairs to Muffle #4	12/23/71
7081	Repair Retort Furnace	2/72
7153	Repair #2 Muffle Furnace	4/72
7167	Rlepair #1 Furnace	4/72
7403	Torrance Repairs to line 3 of Muffle Furnace.	10/72
7425	Torrance Repairs to retort furnace.	11/72
7426	Repairs to muffler.	11/72
7516	Repairs to #1 Muffle Furnace	1/73
7597	Install vaporizing arch on #2 Muffle Furnace	3/73
7609 "A"	Construct new Dross Furnace Repair two old Dross Furnaces	3/73

PACIFIC SMELTING COMPANY (Continued)

7737	Torrance To rebrick retort	6/73
7792	Torrance Repair arch on #3 Dross Furnace	8/73
7709	Torrance Repair #4 Muffle Furnace	8/73
7943	Torrance REpairs to #1 Muffle Furnace, Vaporizing unit.	11/6
"A"	Tie in work to melter section	11/14
"B"	Install new condenser	12/20
8088	Torrance Repairs to #3 retort	2/74
8156	Torrance Repairs to catenary arch of retort	3/74
8182	Torrance Repairs to #2 muffle furnace	4/74
8264	Repairs to #4 Dross furnace	5/74
8325	Repairs to #3 melter	6/74
8419	Repairs in Dross furnace	8/74
8471	Repairs to #10 Retort	9/74
8490	Repairs to Catenary Arch of Retort	9/74
8518	Install Lining #4 Muffle Furnace	10/74
A	Melt area.	
B	Condenser area.	
C	Repair Rotary Furnace	
D	Repairs to Dross Furnace	12/74

PACIFIC SMELTING COMPANY

8537	Torrance- Labor only to repair #1 Reverb Furnace	10/74
8595	Torrance - Nec repairs to rotary kiln	12/74
8719	Long Beach Repair Muffle Furnace.	3/75
8756	Torrance - Repair #3 Muffle Furnace	4/75
8772	Torrance - Repair #5 Furnace	4/75
8840	Torrance - Nec Repairs to A-274 Centered Reverb Holding Section	5/75
8867	Torrance - Repair #5 Muffle Furnace	6/75
8905	Torrance-Nec Repairs to Rotary Furnace	7/75
8937	Repairs to #1 Muffler Furnace	8/75
"A"	Repairs to A-278 Riser	
"B"	Repairs to A-276 Riser Unit	
8974	Torrance-Nec Repairs to Kiln	10/75
9036	Torrance-Repairs to #4 Melter	11/75
9155	Torrance-Repair Stack & Melter	2/76
"A"	Repair Vapor	
"B"	Repair Condenser	

ATS

PACIFIC SMELTING COMPANY

9224	Torrance Repairs to Catenary Arch	4/76
9315	Torrance Repairs to the Rotary Kiln	5/76
9368	Torrance - Labor & Equipment only to Install Lining Vaporizing Section #5 Muffle Furn.	7/76
"A"	Install Refractory in Riser Section	
"B"	Labor only to Repair Melter	10/1
9460	Torrance - Necessary Repairs to #4 Muffle Furnace	9/76
9481	Torrance - Repairs to Holding Pot Rotary Kiln.	10/76
9485	Torrance - Repairs to Droff Furnace	10/76
9566	Torrance - Nec Repairs to Reverb Furnace	12/76
9567	Torrance - Nec Repairs to #3 Muffle Furnace	12/76
"A"	Repair the Melter	
"B"	Repair Riser	
9624	Torrance-Repair Muffle #3 Riser	1/77
"A"	Repair Melter of #3 Riser	
"B"	Repair Vapor of #3 Riser	
9627	Torrance - Repair West Reverb	2/77
9628	Torrance - Repairs to 2 Dross Furnaces	2/77

PACIFIC SMELTING

9645	Torrance - Repairs to #5 Muffle Furnace Dust Chamber	2/77
9728	Torrance - Repairs to #3 Melter	4/77
9759	Torrance - Repairs to Rotary Kiln	4/77
9812	Torrance - Nec Repairs to E. Reverb Furnace	6/77
9813	Torrance - Nec Repairs to #1 Muffle Furnace	6/77
"A"	Repairs to Vapor	
9840	Torrance - Remove & Replace Lining in Rotary Kiln	6/77
"A"	Additional Repairs to Rotary Kiln	
10030	Torrance - Repair #3 Melter	10/77
10041	Torrance - Two New Dross Furnace Spares	10/77
10264	Torrance - Repair #5 Muffle Furnace	3/78
10302	Torrance - Repairs to #2 Reverb	4/78
10410	Torrance - Repairs to #4 Muffle Furnace Melter	6/78
"A"	Repair Riser	6/78
10442	Torrance - Repairs to #4 Muffle Furnace	7/78
10480	Torrance - Install Lining #3 Muffle Furn.	8/78
"A"	Furnish Mat'l -	
"B"	Loan Mat'l	
10529	Carson Yard - Install Refractory in 2 Expansion Joints	9/78

PACIFIC SMELTING

11423	Torrance Nec. repairs to #7 & #12 retort	2/80
11570	Torrance Repair #1 Riser	5/80
11589	Torrance Repairs to #5 muffle furnace	5/80
11640	Torrance Repairs to #3 muffle furnace	6/80
11726	Torrance Repair tap out well	8/80
11798	Torrance Install burner #3 muffle furnace	9/80
11816	Torrance Repairs to #5 muffle furnace	10/80
11825	Torrance Repairs to #2 muffle furnace	10/80
11887	Torrance Repairs to vaporizer and riser #4 furnace	11/80
A	Tearout	12/80

PACIFIC SMELTING

10730	Torrance - Repairs to Rotary Kiln	1/79
11147	Torrance - Repair #5 muffle furnace	9/79
11214	Torrance Repairs to #3 muffle furnace	10/79
11235	Torrance - Repairs to Retort #604	10/79
11254	Torrance Nec. repairs #1 muffle furnace	11/79
11260	Torrance Repairs to #2 muffle furnace	11/79
11299	Torrance Remove lining in #1 muffle furnace of #1 vaporizing unit labor only	12/79
11327	Torrance Rebuild #1 Furnace	12/79
A	Repair Melter	
11334	Alberhill - San Bernardino Repair #3 tunnel kiln	1/80

PACIFIC SMELTING

11917	Torrance Necessary repairs to #7 retort	12/80
11931	Torrance Repairs to #4 melter and riser	12/80
12135	Torrance Install refractory lining in center reverb	4/81
A	Supply material	5/81
12269	Torrance, CA Repair #1 muffle furnace	7/81
12394	Torrance, CA Repairs to #1 muffle furnace	10/81
12729	Torrance, CA Repairs to center reverb furnace	7/82
12777	Torrance, CA Repairs to #3 muffle furn ace	8/82
12786	Torrance, CA Repair #4 furnace	8/82
A	Repa ir #3 furnace	

PACIFIC SMELTING

13859	Torrance, CA Repair center revero	11/82
13874	Torrance, CA Repairs to retorts	11/82
13895	Torrance, CA Modify NF5 condenser	12/82
13388	**Torrance, CA** **Repair #4 Muffle Furnace**	3/8
13443	Torrance CA Repair #4 Muffle Furnace	4/84
13482	Torrance CA Repairs to No. 1&2 Furnace	5/84
A-	Repairs to Dry Cast Alloy Furnace	
13661	Torrance CA Repairs to Floor #2 Die Cast Furnace	10-84
13860	Torrance Repair #5 Mussle Furnace	3-85
13995	Torrance Repair #2 Melter	3-85
14016	Torrance Repairs to #2 Muffel Furnace	7-85
14021	Torrance Repairs to #5 Muffle furnace	7-85
14094	Torrance Repairs to #1 Melter	10-85

PACIFIC SMELTING (CONT.)

14158	Torrance #1 die cast TOT roof	12-85
14320	Torrance Repairs To #5 Muscle Furnace	5-7-86
14406	Torrance Repair #4 Muffle Furnace	8-6-86
14561	**Torrance Repairs to #5 muffle furnace**	**12/86**
14873	**Torrance, CA Tear Out Melter Furnace**	**10-9-87**
14911	**Memphis, TN Reline Vaporizor and Melting Furnace**	**11-18-87**

PACIFIC SOAP COMPANY

4843 - See Oil Field Construction Co.
San Diego - One (1) 260 h.p. Union Iron Works
Water Tube Boiler, Type "L" - Brickwork

6143 - San Diego - Repairs to Union Iron Works Boiler
and to 250 h.p. Llewellyn Boiler

PACIFIC SOUTHERN FOUNDRY

3565	Bakersfield Labor and material to rebuild car bottom stres s relief furnace

PACIFIC STATE HOSPITAL

9573 - Kenneth Fraser Co. Inc.
Spadra, California - Remodel Lower Front Walls
Boilers #1 and #3 to Suit New Leahy Burner

1450 - Potrero Plumbing Company
Spadra - Renew Front Wall on Boiler #4

PACIFIC STATES OIL CO.

3435 - See Southwestern Engineering Co. - Wilmington
One (1) Upshot Oil Heater

3461 - See Southwestern Engineering Co. - Wilmington
One (1) Portable Tube Still

3477 - Point Up and Band Brick Stack and Repair Boiler Floor

4545 - Wilmington - Repairs to #4 Boiler
(A) - Replace Brickwork in Front Wall of Boiler #3

5503 - Wilmington - Boiler #3 Brickwork Repairs

5672 - Wilmington - Repair Still Furnace at Unit #1

6232 - Wilmington - Repairs to Boiler

PACIFIC STATES TERMINAL OIL COMPANY

3370 - Repairs to Coulter Heater

PACIFIC TANKERS, INC.

5671 - S. S. "Fort Stanwix" - Repairs to Main Boilers

5686 - Terminal Island - S. S. "Choctaw Trail"
Repairs to Burner Arches and Patch Chrome

PACIFIC TELEPHONE & TELEGRAPH CO

2167 - Los Angeles
Renew Fire box lining in One Gas Fired
Oil City Boiler

PACIFIC TILE & PORCELAIN CO.

5848 - Hynes - Relining of Two (2) Ball Mills

6547 - Paramount, Calif. - To Repair Tunnel Car Kiln

3445 ~~So. Calif. Gas Co.~~
~~Paramount~~
~~Design and construct~~ two circular direct-fired tile kilns

PACIFIC TRANSPORT LINES

6617 - Terminal Island - Berth 230-A -
S. S. "Philippine Island" Transport"
Brickwork Repairs to Boilers

6624 - Terminal Island - Berth 230-A -
S. S. "Hong Kong Transport"
To Rebrick Galley Range

6668 - Terminal Island - Berth 230-A -
S. S. "Linfield Victory"
To Tear out and Renew Deck; Two Top Courses of Back Wall and Front Wall

6686 - Terminal Island - Berth 230-A
S. S. "China Transport"
To Renew Deck and Corbels in One (1) Boiler

6813 - Terminal Island, Berth 230-A
S. S. "Philippine Transport"
Tear Out and Renew Deck and Corbel; Approx. 2" K-20 Concrete on Deck of Mud Drum

6885 - Terminal Island - Berth 230-A
S. S. "China Transport"
To Renew Nine (9) Detrick Tile and Patch Burner in Boiler

7173 - See Quality Machine & Boiler Works
Terminal Island - Berth 230-A
S. S. "China Transport"
Necessary Repairs to Front Wall of Boiler

7410 - Terminal Island, Berth 23 c-a - S. S. "Pacific Transport" - Necessary Repairs to Starboard Blr.

8014 - Wilmington - Berth 179 - S. S. "Pacific Transport"
Necessary Repairs to Starboard Boiler

8345 - Wilmington - Berth 179-S.S. "America Transport"
Repairs to Port Boiler

8369 - Wilmington - S.S. "China Transport"
Repairs to Starboard Boiler

8524 - Wilmington, Berth 179 - S.S. "Hong Kong Transport"
Repairs to Starboard Boiler

(contd.)

PACIFIC TRANSPORT LINES

9088 - See Quality Machine & Boiler Works
Berth A-1, Long Beach
S. S. "Pacific Transport" - Repairs to Port Boiler

9107 - Berth A1 - Long Beach - S. S. "China Transport"
Repairs to Port Boiler

9205 - Long Beach - Berth A-1 - S. S. "Japan Transport"
Repairs to Port Boiler

9235 - Wilmington - S. S. "Pacific Transport"
Casing Insulation Repairs on Port Boiler

9333 - San Pedro - S. S. "Pacific Transport"
Repairs to Starboard Boiler

9411 - Long Beach - Pier C - Berth 21
S. S. "Pacific Transport"
Repairs to Starboard Boiler

~~9533 - Long Beach - S. S. "C. E. Dant"~~
~~Repairs to Starboard Boiler~~

PACIFIC TUBE COMPANY

4157 -- See Surface Combustion, Div. of General Properties Company, Inc.
One (1) Roller Hearth Annealing Furnace Brickwork and Insulation

PACIFIC TUGBOAT

4283 Long Beach
(Tugboat) "Pacific Ranger"
Repairs to galley range

PACIFIC VALVES INC LONG BEACH

also under MCC Reconditioning

3689	Shell Oil Company Martinez Install AA22 lining in 4 slide valves	
6243	Long Beach Install AA22 in two slide valves	
6655	Long Beach AA22 Lining on two Slide Valve Discs	3/71
6752	Long Beach Install AA22 Lining in 8 Slide Valves	
"A"	Install AA22 Lining in 6 Slide Valves	6/71
6951	Yard Install AA22 in valve	11/10/71
7112	Yard Install Refractory in Slide Vavle	
"A"	Install Refractory in Slide Valve with AA22	3/72
7133	Repair #1 Valve	3/72
7797	Long Beach Lining for two valve discs	8/73
"A"	Lining for two additional valve discs.	
"B"	Etch and build up area m valves	
8044	Carson Yard Install AA22 in two slide vlave discs	1/14
9038	Carson Yard Line AA22 in Two 46" Slidevalve Discs.	11/75
10025	Carson Yard Line two 46" Discs with AA22	10/77

PACIFIC VALVED dba MCC RECONDITIONING

10869	Long Beach - Install lining in slide valve	3/79

PACIFIC WELDING ALLOYS MFG. CO.

7296 - Los Angeles - To Reline Electric Furnace

NO. 801-11R U.S.A.

PACIFIC WESTERN INDUSTRIES

3976	Lebec Design and construct refractory lining for new cement plant
4403	Lebec Tighten basic lining
4582	Lebec Repairs to kiln lining
4689	Lebec Repair kiln lining
4733	Lebec Repair cement kiln
4794	Lebec Renew nose ring blocks on kiln
4816	Lebec Repairs to kiln

PACOS CARRIER, INC

10842	Long Beach - "Mar de Cortez" repairs to port and starboiler	3/79

PADRE POTTERIES

3227 - Lining Two (2) Ball Mills

PALISADES TRAILER BOWL

1947 - See Roscoe Industrial Incinerator Co.
Santa Monica - Construct Refuse Incinerator

PALOMAR REFINING COMPANY

3158 - See H. L. Whiston - Bakersfield
Oil Still

PALOS VERDES COUNTRY CLUB

9660 - Palos Verdes - Build Bar-B-Que

PALUMBO CONSTRUCTION

11232	PROCTER & GAMBLE Long Beach Repairs to winter oil room	10/79
A	Clean up after explosion in winter oil room	

PAN AMERICAN PETROLEUM CO.

236 - See Apex Engineering Co.
Whittier - Install Six (6) Apex Burners in Three (3) 70 h.p. Boilers

PAN METALS

15005	Vernon, CA Install lining in one Precious Metals Furnace	2-24-88
15064	Los Angeles, CA Surface Combustion Furnaces Repairs	5-2-88

PAN PACIFIC

11944	Wilmington Quaker oats repair #2 boiler	12/80
12891	Terminal Island, CA Supply and install burner tile	12/82
13290	Terminal Island Repairs to #1 Boiler	1/20
14151	Wilmington Repairs to Boiler #2	11-85

PANAMA TRANSPORT CO.

3613 - Standard Oil Company
L. A. Shipyards - Tanker "Cleo" - Boiler Repairs

PANHANDLE EASTERN CO (Kansas City, Missouri)

6388	FISH ENGINEERING (Houston, Texas) J T THORPE COMPANY (Houston, Texas) Design Fume Incinerator	9/70
6837	J T Thorpe Company (Houston) Aledo, Oklahoma Repair Waste Gas Incinerator	
"A"	Engineering Services	8/71

PARAFFINE COMPANIES, INC., THE

5632 - South Gate - Repairs to Ducts of Calcining Furn.

6830 - South Gate - To Repair Lining in Flues of Calcining Furnaces
(A) - To Repair #4 Calcining Unit Flue
(B) - To Repair #4 Calcining Unit

7205 - Pabco Products, Inc. - South Gate
Labor and Material to Repair Flue on #3 Calciner
(A) - To Repair Flue on #2 Calciner
(B) - To Repair Flue on #1 Calciner

PARAMOUNT FORGE

8655 cancelled 1/75

PARAMOUNT MANUFACTURING COMPANY

2582 - Owens-Illinois Glass Company
Corona 1-- Line Ducon Cyclone

PARAMOUNT PETROLEUM

14227	Paramount #8602 heater	1-30-86
14284	Paramount Repair incinerator	4-3-86
14504	Paramount Repairs to crude heater H805	11/86
14599	Paramount Repairs to hydro processing and reformer heaters #502, H301, H302 hot receiver tank	2/87
14945	Paramount, CA Repairs to Waste Heat Boiler in the Sulfur Plant	12-15-87
15012	Paramount, CA Refractory Repairs to the X414 Waste Heat Boiler	2-29-88
15131	Paramouont, CA Insulation castable on gas oil charge heater	7-7-88
15144	Paramount, CA Repairs to #8 H60, crude heater	7-18-88

PARK, PHILIP R. INC

1086 - See Mitchell Masonry-Rpr Kelp DeHydrator

1501 - San Pedro - Tear out and renew Brick Lining of Kelp Dehydrator

2113 - Shelter Pt., San Pedro - Necessary repairs to Kelp Dryer

4028 San Pedro
Repairs to Kelp Dryer

4676 San Pedro
Repair kelp dryer furnace

PARKER SEAL COMPANY

2321 - Los Angeles
Necessary repairs to Boiler

PARKHILL-WADE, INC. - Out of Business

3080 - Bellridge Oil Company
Oil Retort

7571 - Los Angeles County General Hospital - Los Angeles
Enclosures for Two (2) Wickes Boiler Co's
Two-Drum Boilers

PARKLABREA HOUSING PROJECT
METROPOLITAN LIFE INSURANCE COMPANY

6649 - See Scott-Hastorf-Nettles
Los Angeles - 54 Kewanee Boilers, Type "C" 7L82

6863 - See Starrett Brothers and Eken, Inc.
Los Angeles - Incinerator Brickwork and Stack Linings for the 18 Tower Buildings

7409 - See Starrett Brothers and Eken, Inc.
Los Angeles - Refractory Brickwork for One (1) Smoke Burner

(A) - To Repair Brickwork around Burner in #1 Bldg. Incinerator

7452 - See Metr.Life Ins; See Starrett Bros & Eken-Refractory brickwork for 35 Smoke Burners

7689 - Los Angeles - To Install Tubular Liner in 34 Incinerator Smoke-Burning Units

9797 - Los Angeles - Labor and Material to Repair One (1) Incinerator Unit

9960 - Los Angeles - Repairs to Incinerator #2 at 360 So. Burnside

1173 - Los Angeles - Labor and Material to Repair Incinerator (STAINLESS STEEL CAP)

1470 - Los Angeles - Labor and material to repair Incinerator and afterburner - Bldg #35 Unit #2.

1526 - Los Angeles - Replace Roof on #1 Incinerator Damaged by Explosion

1586 - Los Angeles - Repair Incinerators at 430 Fuller

R. M. PARKS CO (KOPCO *INC)

6227 Port hueneme 4/70
Repair firebox of Dehydrater.

PARK VIEW APARTMENTS - Los Angeles

7862 - Construct and install Smoke-Elimination Chamber

PARSONS, RALPH M., COMPANY, The

2928 - Wilshire Oil Company, Inc.
Detrick Arch in Equiflux Furnace

2947 - Wilshire-Oil Company, Inc. - Santa Fe Springs
Rerun Furnace

6994 - Malco Refineries, Inc. - Roswell, New Mexico -
Labor only to Install Refractories and Insulation
on One (1) Fired Heater

7455 - Sinclair Refining Company - Marcus Hook, Penna.
To Erect One (1) Waste Gas Incinerator

7511 - Union Oil Company of California - Wilmington
To Construct Waste Gas Incinerator

7658 - Union Oil Company of California - Wilmington
Lining for Waste Heat Boiler
(A) - Extend Combustion Tunnel 9" Breeching
cancelled (B) - Fill Open Joints in Waste Gas Incinerator
(C) - To Line 20" dia. Tee Section on Waste Heat Blr.

7712 - Wilshire Oil Company Inc. - Norwalk -
To Construct One (1) Waste Gas Incinerator

7770 - Wilshire Oil Company Inc. - Norwalk
Refractory and Insulation Linings for
Sulphur Converter

8108 - Southwest Welding & Manufacturing Co - Alhambra
To Line Three (3) Reactor Vessels

8115 - See South west Welding & Manufacturing Co.
Union Oil Company - Cutbank, Montana
Alhambra
Line Two Reactor Vessels in Your Shop

8147 - Shell Oil Company of Canada
Jumping Pound, Alberta, Canada
Construct Waste Gas Incinerator

8149 - Sinclair Refining Company - Houston, Texas
Waste Gas Incinerator
(H.O. Job No. 928)

(contd.)

PARSONS, RALPH M., COMPANY, THE

8174 - c/o Maden Tetkik ve Arama Enstitusu, Batman Turkey
See C. C. Moore & Co. Engineers
Refractory and Insulation Materials only
for Three (3) B&W FF-15 No. 28 Boilers

8184 - See The Ralph M. Parsons Co.-Jefferson Lake Sulphur Co.
Manderson, Wyoming
Brickwork for Sulphur Plant

8191 - Hancock Oil Co-Long Beach-Sulphur Manufacturing
Plant - Construct One Waste Gas Incinerator

8202 - Union Oil Co. of California - Wilmington
Fire Proofing Vessel

8203 - Gulf Oil Corporation, Gerard Point Philadelphia, Pennsylvania
Construct One waste Gas Incinerator

8217 - See Petro-Chem Construction Company
Long Beach
Hancock Oil Company
Construct One Petro-Chem Iso-Flow Furnace

8276 - Aurora Gasoline Company - Detroit, Michigan
Engineering and Materials only for One (1) Waste
Gas Incinerator

8336 - Gulf Oil Corporation - Philadelphia, Pa.
Sulfur Plant Brickwork

8430 - Sun Oil Company - Marcus Hook, Pennsylvania
Waste Gas Incinerator - Design and Materials Only

8465 - Sinclair Oil Company - Marcus Hook, Pa.
Waste Gas Incinerator-Materials and Engineering

8642 - Richfield Oil Corporation - Wilmington
Watson Refinery - Install Linings in Four Reactors
(X) - Test on Gunite Material at Gladding, McBean & Co.

8716 - Richfield Oil Corporation - Wilmington
Watson Refinery - Install Linings in Three (3)
Alcorn Heaters F-101, F-201, & F-301 - Labor Only

8731 - Hancock Chemical Company - Long Beach
Design and Construct Two (2) Waste Gas Incinerators

(contd.)

PARSONS, RALPH M., COMPANY, THE (contd.)

8754 - Richfield Oil Corporation - Wilmington
Watson Refinery - Enclosure for One (1)
Born Heater - Labor Only
(ex) Material

8755 - California Texas Oil Co.
For Export

Combustion Equipment for Pressurized Waste Gas
Incinerator - Material Only

8796 - Hancock Chemical Company - Watson - Sulphur Plant
Refractory Linings for:
Two (2) Stacks & Two (2) Breechings
One (1) Bigelow Waste-Heat Boiler
One (1) Internal Combustion Chamber
Two (2) Coalescers
Four (4) Auxiliary Burners
Four (4) converters
Extra - Install Insul. Concrete on Rupture Desk on Two
(A) - Insul. Elevated Stack Floors Waste Heat Boilers

8829 - See Petro-Chem Development Co., Inc.
Hancock Oil Company - Long Beach
Construct Enclosure for One Petro-Chem Heater
(A) - Fireproofing of Columns

8865 - See Petro-Chem Development Company, Inc.
Hancock Oil Company - Long Beach
Construct Enclosure for One Petro-Chem
Heater - Labor Only

8933 - Hancock Chemical Company - Watson
Linings for:
Converter Coalescer D-302 - Unit #11
Auxiliary Burner Shell F-302 - Unit #11
(A) - Repair Existing Waste Gas Incinerator

8934 - See Petro-Chem Development Co., Inc.
General Petroleum Corporation - ~~Torrance~~ Wilmington
Install Lining in One (1) Petro-Chem Heater

8941 - Gulf Oil Corporation - Port Arthur, Texas
Labor and Material to Construct Waste-Gas
Incinerator

8953 - Hancock Oil Company - Long Beach
Fireproofing a Vessel Skirt on a Vacuum Column

(contd.)

PARSONS, RALPH M., COMPANY, THE

8961 - General Petroleum Corporation - Long Beach
Settings for Two (2) Oil Field Type Boilers

~~8970 - Jefferson Lake Sulphur Co. - Taylor, British Columbia, Canada - Design and Furnish Material Only for One (1) Waste Gas Incinerator~~

8995 - Hancock Chemical Company - Long Beach
Repairs to F-3 Incinerator ~~Furnace~~
(A) - Plug Secondary Air Outlet in Reaction Furnace H1
(B) - Repair Auxiliary Burners on Air Heaters F1 & F2
(C) - Repair Insul. on Manhole Covers on D1, D2, and #301 Converters; Patch Brickwork in H1 and #301 Reaction Furnaces

9218 - Fletcher Oil Company - Wilmington
Repair Topping Plant Fired Heater

9229 - General Petroleum Corporation - Torrance
Install Linings in Fired Heaters FH-1, FH-2, FH-3, and FH-4

~~9362 - British American Oil Co.; Ltd. Pincher Creek, Alberta, Canada - Design and Supply Material for Two (2) Waste Gas Incinerators~~

9393 - Hancock Oil Company - Long Beach
Repair F-1 Heater
(A) - Repair Stabilizer Reboiler

9418 - General Petroleum Corporation - Torrance
Repairs to FH-F3 and FH-F4 Heaters

9451 - Callery Chemical Company - Muskogee, Oklahoma
Supply Design and Materials for Two (2) Waste Gas Incinerators
(A) - Spare Parts for Combustion Unit Pumps

9923 - (Work done at Wilmington Warehouse)
Furnish Labor and Material to Line Pipe 24" long by 12" Diameter with 1" Lt. Weight Castable
1151 Extra-Bankline Oil -Labor to Repair Ins.Heater #R4050

~~1397 - Richfield Oil Corp - Watson Refinery Install lining in One Alcorn Fired Heater, One Foster Wheeler Fired Heater and Four Reactors~~

~~1409 - Union Oil Company - Wilmington Replace Acid Brick in Sump~~

PARSONS, RALPH M., COMPANY, THE

1197 - Signal Oil & Refining Company - Bakersfield
Repairs to Portable Heater

1275 - Union Oil Company - Wilmington
Design & supply One (1) Waste Gas Incinerator

(A)- Labor and material to install refractories in Breeching between Incinerator and stack.

1285 - Stauffer Chemical Company - Delaware
Design and materials for One (1) Waste Gas Incinerator.

(A) - N.A. Diaphragm Air Motor for Incinerator

1289 - Richfield Oil Corporation - Wilmington
Labor and material to build new Switch Gear Bldg.

1397

(C) - Labor & Material to install acid brick in acid Pit
(D) - Grind Bottom Insulation in Two Small Reactors
(E) - Extend height of Access Door & Pack Ins. around Header Box
(F) - Patch Foster Wheeler Heater

(Continued next page)

RALPH M PARSONS COMPANY, THE (Continued)

2550 - See J T Thorpe & Son Inc
Monsanto Chemical Co - Avon
Sulphur and Amine Plant - Consulting Fee

3089 - Duval Corporation
Mineral Park, Arizona
Labor only to install lining for 20'
Skinner Roaster and 10' Skinner Dryer

3285 PHELPS - DODGE CORP
Morenci, Arizona
Install refractory lining in gas ducts

3405 SHELL OIL CO
Martinez
Design and supply 1 waste gas incinerator

3432 M W KELLOGG CO
Colombia, S.A.
Furnish one waste gas incinerator

3634 RICHFIELD OIL CO.
Watson
Install refractory lining in Born Heater

3560 J T Thorpe Co
Phosphate Chemicals, Inc.
Pasadena, Texas
Sulphuric acid plant-furnish and install acid proof refractories

3684 J T Thorpe and Son Inc
Shell Oil Company
Martinez, California
Install refractory linings in sulfur recovery units

RALPH M. PARSONS COMPANY, THE (Continued)

3960 Cepsa
Procon-Great Britian Ltd.
Design and supply one waste gas incinerator

4017 Imperial Oil Enterprises Ltd.
Sarnia, Ontario (Canada)
Design and supply one waste gas incinerator

[illegible] Kennecott Copper Co.

4053
(B) Install asbestos paper in humidifier
(C) Install bulkhead in lead pipe line
(D) Repairs to Peabody Scrubber gas inlet lining
(E) Remove and reinstall carbon brick lining in inlet duct at Peabody scrubber

(A) Furnish and install acid brick lining for cooling tower sump pit

(B) Furnish and install additional acid brick lining

4132
(C) Supply material
(D) Labor to repair breeching damaged while installing
(E) Repair jet fuel treater heater #061401 furn damaged while erecting
(F) Line alcorn htr
(G) Repair alcorn htr
(H) Repair radiant section heater 06-1401

Design and supply waste gas incinerator

4795 Vancouver, B. C. (Canada)
SHELL OIL CO
Design and construct waste gas incinerator

RALPH M PARSONS COMPANY

5008 Houston Chemical Co.- J.T. Thorpe Co.(Houston)
Beaumont, Texas
Construct one lead reverbatory furnace

5298 C Install floors in htrs F110 and F130 (8/68)
D Patch joint between E302 and Selas outlet header B
E furnish Material B
RS

Design, Supply, and Construct
One 10' x 34' Plate HTNG Furnace

5552 Richfield Oil Co.
Watson 1/29/69
Refractory Lining HWB
Born Heater

5563 Standard Oil Co. 2/7/69
El Segundo HWB
Install Refractory Linings
In Alcorn Heaters F410, F420, F430, F440.

(A) Unload Boxcar. W.O.
(B) Furnish additional material 5-9
invoice Std. Oil not R M parsons
(C) Repair damage to header boxes 7-1
D Repair # 301 Heater 10/6

THE RALPH M. PARSONS COMPANY (Continued)

5607	Anaconda Company Sahuarita, Arizona Install Lining in 12 cyclones and 5 peabody air heaters	3/69
5726	Allied Chemical Company El Segundo Refractory linings, sulfur recovery unit	5/69
5740	Standard Oil Company El Segundo Install insulation linings in plenums of heaters F202, F205 and F206	6/69
5869	Standard Oil Company El Segundo Lining for 2 stack bases	9/69
5895	Humble Oil and Refining Company Benicia, California (J T Thorpe/Emeryville) Vessel Linings and fireproofing	
"A"	Sales Commission	9/69
5950	Signal Oil Company Bakersfield Repair Econotherm Heater	10/69
"A"	Install lightweight blaze crete in vessel	
"B"	Labor repairs to refractory, 22H12 Htr.	
"C"	Install firebrick in heaters for reformer"B".	
6000	Lago Oil and Transport Co., Ltd. Aruba (Netherlands Antilles) Caribbean Design and supply 2 Waste Gas Incinerators	11/69
6047	Install Lining in experimental reducing furnace	

6053	Standard Oil Company El Segundo	
	Install castable refractory in V221	12/69
"A"	Repair Insulation, Plant 4	3/70
6115	Allied Chemical El Segundo	
	Repairs to Reaction Furnace	2/70
6288	Furnish materials and labor to install refractories in magnesium pilot plant	6/70
6500	Arco Refinery Cherry Point, Washington	
	Refractory linings, new Arco Refinery	11/70
6640	Humble Oil Company Baton Rouge, La.	3/71
	Design and construct two waste gas incinerators	
6667	Arco Refinery Cherry Point, Washington	
	Labor and material for technical serviees to conduct tests as directed by client.	4/71
6675	Standard Oil Company Repair Born Heater	4/71
6875	Standard Oil Company El Segundo	
	Refractory Linings - Sulfur Recovery Unit	9/71
"A"	Furnish Material	
6913	NL Industries, Rowley, Utah	10/71
	Design and construct gas fired launder heaters	
6934	NL Industries, Salt Lake City Design and supply combustion system for 5 magnesium pot furnaces	11/71
7010	NL Industries, Rowley, Utah Design and supply melt cell burner system	1/72

THE RALPH M PARSONS COMPANY (Cont)

8070	Allied Chemical Anacortes, Wash Acid brick and refractory linings #3 sulfuric acid plant	1/74
A	Western Precipitation lay brick in floor	7/74
8075	Texaco Long Beach Repairs to sour water stripper #16-1101	2/74
8195	Cities Service Oil Co Lake Charles, Louisiana Design and supply thermal oxidizer with stack ~~"A" Add Elect. Motor to Stack.~~	4/74 WRS ~~4/75~~ Cancelled
"B"	Drive Motor for Weather Cap	
8330	Arco Houston, Texas Design and supply thermal oxidizer	6/74 WRS
8343	Standard Oil Co of Ohio Toledo, Ohio Design and supply thermal oxidizer	7/74 WRS
8363	Arco Carson Design and construct thermal oxidizer Ehrhart Inc	7/74 WRS
8393	Standard Oil Co El Segundo Labor and materials for LSF project "A" Extra Labor & Mat'l.	8/74 3/75
8553	So. Calif. Edison-Euclid Sta-Chino Repairs to Oil Heaters	11/74
"A"	Toner Station - Repair 3 oil heaters	
"B"	Santa Fe Springs Sta-Repair 3 oil heaters	
8486	So. Calif Edison, Hungton Beach x Repairs to Gas Fired Heater.	9/74

7506 "A" Fireproofing vessels #15-1101 and #15-1102 4/73 1/73

"B" Repair Firewalls 4/73

1/73

ctory
installation, ... rubbing
Facility.

"A" Furnish Extra Material 2/73

7649 Texaco 4/73
Refractory lining Sulfur Recovery Unit

7698 TEXACO * REF. LINING * TWO SOUR WATER SCRUBBERS 5/73

7713 Texaco Inc.
Carson 6/73
Refractory linings furnaces 17-1401
17-1402, Hydrogenation 11-1201
and reducing gas generator 11-1401

7922 Los Angeles
Refractory repairs to two Selas
Super Heaters 10/24

7934 Hecla Mining Co.
Casa Grande, Arizona
Acid brick lining for Leach Tank #1 10/29

7979 Los Angeles,
Refractory linings six experimental
reaction furnaces. 11/28

THE RALPH M PARSONS CO

8676	Atlantic Richfield Watson Install refractory linings in Inline Heater & Reactor	2/75
8682	Northern Natural Gas Co Hobbs, New Mexico Design and supply 1 Thermal Oxidizer	2/75
8686	Southern Calif. Edison, Alnor Station Cypress - Repair Oil Heater	2/75
8768	ECOL-Garyville, Louisiana Design & Supply Thermal Oxidizer	4/75
9087	J T THORPE CO/ECOL-Garyville Furnish & Install Refractory Linings for Sulfur Recovery Unit	12/75
9160	ARAMCO-Saudi Arabia Supply Engineering to Design Waste Gas Incr.	2/76
9553	Pasadena Steam Plant - Pasadena Repairs to #3 Boiler	11/76
9686	SOUTHERN CALIF EDISON-Santa Fe Springs Repairs to Oil Heater	3/77
9791	Southern Calif. Edison - Cypress Repairs to #1 & #2 Boilers	5/77
9976	Marathon Oil Co - Garyville, La. Design & Supply Thermal Oxidizer	9/77

RALPH M PARSONS

10167	AMERADA HESS - Purvis, Miss Design & Construct 1 Thermal Oxidizer	1/78
10306	ARAMCO - Saudi Arabia Refractory Review Sulfur Recovery Train	4/78
10502	ARAMCO - Berri, Saudi, Arabia 2 Thermal Oxidizer Burner Assemblies	8/78
10517	ARAMCO - Uthmaniyah, Saudi Arabia Refractory Burner Assemblies & Misc Parts	9/78
10574	ARAMCO - Shedgum, Saudi Arabia Supply 2 Thermal Oxidizer Burner Assemblies	10/78
10985	CHAMPLIN OIL CO/Wilmington - Design and supply thermal oxidizer	6/79
11068	Aramco - Berri Saudi Arabia Services of combustion engineer	7/79
12194	CONOCO/MONSANTO Lake Charles, LA Design & Supply thermal oxidizer	6/2 WRS
12900	Los Flores Canyon POPCO Sulfur recovery project	RFB 12/82

THE RALPH M PARSONS COMPANY OF CANADA

8694	Canadian Gulf Oil Co. (Now British American Oil Co) - Pincher Creek, Alberta, Canada Waste Gas Incinerator - Materials and design
"A"	Supply burner throat tile
8979	Jefferson Lake Sulphur Company Taylor, British Columbia, Canada Design + furnish material only for one (1) waste gas incinerator
9362	British American Oil Co., Ltd. Pincher Creek, Alberta, Canada Design + Supply material for two (2) waste gas incinerators
1566	Jefferson Lake Balzac, Alta., Canada Petrogas Processing, Ltd. Material only for one (1) waste gas incinerator
1692	Jefferson Lake Petrochem of Canada, Ltd. Coleman, Alberta, Canada Design + Supply one (1) waste gas incinerator
3086	Socony Mobil Oil Company Wimborne, Atla, Canada Design + supply one waste gas incinerator
3398	Hudson's Bay Oil + Gas Company, Ltd. Eson, Alberta Design + Construct waste gas incinerator
3797	Imperial Oil Enterprises Winnipeg, Man, Canada Design + Construct one waste gas incinerator
"A"	Repairs to damaged incinerator

THE RALPH M PARSONS COMPANY OF CANADA

3813	Cornwall Chemical Ltd. Cornwall, Ontario (Canada) Design and supply one waste gas incinerator	
"A"	Furnish additional material	
4064	Petrogas Processing Co. Balzac Alberta (Canada) Design and supply waste gas incinerator	
5752	Hudson's Bay Oil and Gas Co. Ltd. Edson (Alberta) Engineering only to modify fume incinerator	6/69
5969	Chevron Standard Limited Alberta Design and supply 2 waste gas incinerators	10/69
6420	Banff Oil Ltd. Alberta Design and supply one waste gas incinerator and breeching	9/69
6779	Aquitaine Company of Canada Ltd. Ram River (Canada) Design and construct one waste gas incinerator	
"A"	Repairs to Buffalo Forge Blower	6/71
7177	Imperial Oil Company Dartmouth Nova Scotia (Canada) Design and construct one waste gas incinerator	4/72

PARSONS INTERNATIONAL LTD

9380 Carson
Design Air Heater Test Unit 7/76

PARSONS-JURDEN

8757	Sar Cheshmeh, Iran Supply Burners & Supports.	4/75
8995	Sarcheshmeh Copper Mining, Iran Supply Two Sets of Six Burners each for Copper Reverberatory Furnace	10/75
"A"	Supply 3 Anode & Holding Furnace Burners	

PASADENA, CITY OF
MUNICIPAL LIGHT DEPARTMENT

103 - Boiler Brickwork Repairs

198 - Repairs

2577 - Boiler Insulation

2582 - Insulation of Heaters

5404 - See C. C. Moore & Co. Engineers
Power Plant - Installing Monolithic Baffles in
B. & W. Straight Tube Boiler

5708 - Repairs to Boilers #14 & #15

5727 - See Robert L. Johnson Co.
Brickwork & Insulation - Two (2) C-E Boilers
(A) - See RCS Eng. Co. - Reprs. to Insul. damaged by RCS

5772 - Light & Power Plant
Complete Removal of Old Refractory; Installation
of New Refractory, Supporting Steel Necessary in
Repairing Municipal Incinerator

6400 - Light & Power Dept. - Steam Plant
Repairs to Boilers #13 and #12

6557 - Municipal Light & Power Dept.
Boiler #12 - Furnace Brickwork Repairs
(X) - Additional Labor

6586-B See The Robert L. Johnson Corporation
To Remodel Brickwork to Suit New Superheater
By-pass Damper

6811 - Steam Plant - To Repair Front Baffle Walls and
Line all Door Openings

6857 - See The Robert L. Johnson Corporation
Pasadena, Calif. - Brickwork Repairs to Burner
Wall of Boilers #16 and #17

6878 - See Combustion Engineering-Superheater, Inc.
(A) - To Install Refractory Screen for Water Walls.
6878 - ~~and~~ Baffle Alterations

7169 - Municipal Light & Power Dept.
Brick Cutting

7201 - Pasadena - Incinerator - two Refractory Bridge
Walls for Twin-Boiler Incinerator

(contd.)

PASADENA, CITY OF
MUNICIPAL LIGHT DEPARTMENT

7274 - See Combustion Engineering-Superheater, Inc. Pasadena, Calif. - To Install Baffles on #16 ~~and #17~~ Boilers
(A) - No. 17 Boiler

8766 - Pasadena - Repair #13 Boiler
(A) - Repair #16 Boiler
(B) - Repair #17 Boiler
(C) - Repair #1 Blr. at Broadway Steam Plant
(D) - Repair Boilers #15 ~~&-#16-~~
(E) - Repair Boiler #14

9014 - Pasadena - Repair Floors on #16 and #17 Boilers

9328 - Municipal Light & Power Dept. - Pasadena Broadway Unit No. 1 - Remove and Replace Nose Tile and other Setting Work

~~9730 - Pasadena - Glenarm Street Plant~~

9732
(C) Brick Side & Rear Walls Under Water Wall Header
(D) Renew Top Burner Wall under Drum; Install Tie Protection Tile; Install Burner Tile & Misc. Repai.
(E) Steel Bolts & Rockets

1498 - Broadway Steam Station - Pasadena
Renew Burner Throats for Boiler #2

1587 - Pasadena - Labor & Material to install new Suspended Arch on Furnace Roof of West Boiler Incinerator
(A) - Gunite
(B) - Rebuild Arch using CHB Castings

2630 - Pasadena - Repairs to East and West Incinerator Fire Box

3332 Pasadena - Broadway Steam Station
Labor and material to repair economizer section of C E Boiler #2

CITY OF PASADENA

3332	(A) Labor and material to repair economizer section and burner throats, C-E Boiler #1
4580	Pasadena Repairs to unit B-1 boiler
(A)	Repairs to burner throats B1 boiler
5120	Pasadena Renew burner throats unit B2 Boiler (4/68)
6641	Labor and Equpment for Spraying 3/71 Refractory on unit B3 Boiler Tubes
6912 ~~6742~~	Gunite Economizer Broadway #2 Station 11/6/71

CITY OF PASADENA
DEPT OF WATER & POWER

8645 .	Unit B1 repair burner throat	1/75
12867	Pasadena, CA Repair two burners	11/82

PASADENA COOPERATIVE DAIRY

2022 - See O. J. Weber, Inc.
Repairs to One (1) 15 h.p. HRT Boiler

PASADENA STEAM PLANT

9553 · RALPH M PARSONS - Pasadena 11/76
Repairs to #3 Boiler

PASCOE STEEL

8459	Pomona Line 5 Hot Air Mixers and 6 18" Gas Cylinders	9/74

PASO ROBLES SCHOOL FOR BOYS

8023 - See C. C. Moore & Co. Engineers
Paso Robles, California
To Repair Two (2) B&W FM No. 30 Package Boilers

PATENT SCAFFOLDING CO., INC., THE

6896 - Los Angeles - To Repair One (1) Shop Furnace

PATHWAY BELLOWS, INC

7878	El Cajon Install and dryout refractory in expansion joint	9/73
8209	Carson Yard Install refractory linings in expansion joint	4/74
8902	Carson Yard Install AA22 in 2 Vessels.	7/75
9618	El Cajon Refractory Installation Expansion Joints	1/77
9866	Lummus Co - Carson Yard Install Refractory Lining in Series of Incinerator Ducts.	7/77
10067	El Cajon - Install Refractory Lining in Expansion Joints	11/77
10165	Carson Yard & El Cajon Install Refractory Lining in 2 Expansion Joints	1/78
10383	C F BRAUN/DIAMOND SHAMROCK El Cajon - Install AA22 in 3 sets of Expansion Joint	6/78
10392	C F BRAUN/DIAMOND SHAMROCK El Cajon - Install AA22 in 50" Regenerator Overhead Line	6/78

PATHWAY BELLOWS INC

10528	PULLMAN KELLOGG/CONTINENTAL OIL CO Carson Yard - Install Refractory in 2 Expansion Joints	9/78
10623	PULLMAN KELLOGG/CONOCO Carson Yard - Install Refractory Lining in Expansion Joint Assembly	11/78
10981	C F BRUAN & CO/PHILLIPS PETROLEUM CO Sweeny Texas - El Cajon Install refractory lining in expansion joints	6/79
10991	FOSTER WHEELER/DELTA REFINING CO Install AA22 in 50" dia. expansion joint	6/79
11027	FOSTER WHEELER CORP/MOBIL OIL CORP Furnish and install refractory lining in series of expansion joints	7/79
11057	AMERICAN AIR FILTER CO Install refractory lining in four expansion joints	7/79
11227	C F BRAUN/ATLANTIC RICHFIELD CO Install refractory lining in four expansion joints	10/79
11427	GOOD HOPE REFINERY El Cajon Install refractory lining in eight pipe spools	2/80 RCN

PATHWAY BELLOWS INC

11529	FOSTER WHEELER/El Cajon Install lining in series of expansion joints	4/80 RCN
11579	PULLMAN KELLOGG/El Cajon Install refractory lining in two expansion joints	5/80 RCN
11682	C F BRAUN/AMOCO WHITTING El Cajon Install refractory lining in three expansion assemblies	7/80 RCN
11716	DAVY MC KEE/CHEVRON USA Carson Yard Install refractory in two expansion joints	8/80 RCN
11863	GOODHOPE REFINERIES El Cajon Refractory lining	11/80 RCN
11864	GOODHOPE REFINERY El Cajon Install refractory lining in five expansion joint assemblies	11/80 RCN
12006	FOSTER WHEELER/MOBIL OIL El Cajon/Livingston, N.J. Install refractory lining in three expansion joints	2/81 RCN
12017	ROCK ISLAND REFINERY Carson Yard/Indianapolis, Ind Install lining in one expansion joint	2/81 RCN
12018	GULF OIL/Carson Yard ALLIANCE Install lining in one expansion joint	2/81 RCN

PATHWAY BELLOWS

12019	CALTEX PETROLEUM/Carson Yard Install lining in six expansion joints	2/81 RCN
12043	PULLMAN KELLOGG/SHELL OIL El Cajon, CA Install lining in two expansion joints.	2/81 RCN
12060	TEXACO Carson Yard Install refractory lining in three expansion joints.	3/81 RCN
12131	PULLMAN KELLOGG/SHELL OIL CO Carson Yard Install lining in four expansion joint assemblies	4/81
12255	CONOCO Billings, Montana & Carson Yard Install refractory in one expansion joint	7/81
12339	SOHIO Install refractory lining in two expansion joints	9/81 RCN
12351	M W KELLOGG/SABER ENGR INC El Cajon/Corpus Christi, TX Install refractory lining in one expansuion joint	9/81 RCN

PATHWAY BELLOWS

12398	CHAMPLIN OI L CO / Carson Yard Install refractory lining in one expansion joint	10/81 RCN
12407	El Cajon Repairs to refractory lining in one expansion joint	10/81 RCN
12465	Carson Yard Install refractory lining in one expansion joint	12/81 RFB
12493	FLUCR ENGINEERS El Cajon, CA Install AA22 in two expansion joints	12/81 RCN
12509	CHEVRON USA Carson Yard Install lining in two expansion joints	1/82 RCN
12510	ENPETROL Carson Yard Install refracto y lining in one expansion joint	1/82 RCN
12518	CHAMPLIN PETROLEUM Carson Yard, CA Install lining in one expansion joint assembly	1/82

PATHWAY BELLOWS (Cont'd)

12578	VENTECH ENGINEERS Carson Yard Install refractory lining in three expansion joint assemblies	3/82 RCN
12608	El Cajon, CA Reline expansion joint	3/82
12620	Carson Yard Install refractory in one expansion joint	4/82 RCN
12626	TENNECO OIL COMPANY El Cajon, CA Install refractory lining in one expansion joint	4/82 RCN
12710	TOSCO/MW KELLOGG Carson Yard Install AA22 in four expansion joints	6/82 RCN
12725	Carson, CA Repair expansion joints	7/82
12799	BLOUNT INTERNATIONAL Carson Yard & El Cajon Install AA22 in one expansion joint assembly	9/82 RCN
A	Rework 92" pipe	

PATHWAY BELLOWS

12889	FOSTER WHEELER ENERGY CORP/ CHEVRON/ Carson Install lining in series of expansion joints	RCN 12/82
12897	TEXACO/JTT Carson Yard Install lining in one expansion joint	RCN 12/82
12911	MOBIL OIL/ El Cajon, CA Install lining in five expansion joints	12/82
12933	El Cajon, CA Refractory lining #3 expansion joints	RCN 1/83
13060	UNION OIL Carson, CA Refractory installation two expansion joints and one stand-pipe	RFB 6/83
13080	MARATHON OIL Carson Yard Carson Yard Install refractory in one expansion joint	RFB 6/83
13227	CHEVRON Carson Yard Install AA22 in (2) expansion joints	11/83 RCN

PATHWAY BELLOWS

13242	Amerada Hess El Cajon, CA H. Expansion joint assemblies	11/15 El Cajon, CA H
13247	Amoco El Cajon, CA 4-Expansion joints assemblies form and pour and externally vibrate #AR400	11/18
13288	El Cajon, CA 2-Expansion joint assemblies	12/16

PATTEN-BLINN LUMBER COMPANY

5667 - Wilmington - Repair Brickwork - One (1) Llewellyn Water Tube Boiler

5809 - Wilmington - Repair Mill Incinerator

5901 - Wilmington - Repairs to Boiler

6045 - Wilmington - Repairs to Boiler

6130 - Wilmington - Repairs to Boiler

6281 - Wilmington - To Patch Incinerator
(A) - Repairs to Donkey Boiler

6950 - 2858 East 26th St., Vernon, L. A. 23
Incinerator Lining Repairs
(A) - To Rebuild Upper 32'-6" of Incinerator
(B) - To Increase Height of Incinerator Firebox Lining 4'-0"

7624 - Vernon - To Repair Air Inlet and Charging Door Openings

7657 - San Diego, Calif. - To Repair Incinerator

8252 - Vernon - Lumber Burner Repair

M C PATTEN CO

6194 Zurn Inc
Erie City Iron Works
Univ of Calif.
La Jolla, Calif.
Repair front wall boiler

8401 Erie City Boiler 8/74
Texaco
Wilm
Repair Erie City Boiler

PATTERSON, MR. A. W.

7373 - Eagle Rock - (5012 Onteora Way)
Repair Residence Fireplace

NO. 801-11R U.S.A.

PATTON STATE HOSPITAL - Patton, Calif.

2415 - See State of California
One (1) Class "E" #22 Stirling Boiler

3714 - See State of California, Div. of Architecture
Repairs to 250 h.p. B. & W. Stirling Boiler

4522 - See State of California
Repairs to One (1) 350 h.p. Type YBL-20 Badenhausen Boiler

5156 - See C. C. Moore & Co. Engineers
Brick Setting - One (1) Class H-3 #28 Stirling Boiler

PAX METAL CORPORATION

6734 - Los Angeles 1 - Aluminum Melting Furnace - Brickwork Repairs

NO. 801-11 R ... U.S.A.

PEABODY ENGINEERING CO.

3353 - Wilshire Oil Company, Inc. - Norwalk Refinery
Burner Alterations, B. & W. "F" Type Boiler

1530 - City of Los Angeles - Dept of Water & Power
Wilmington - Tear out and Install 12 Sets of
Peabody Burner Tile

(A)- Remove Squaring Off Tile

PEERLESS LAUNDRY CO.

2627 - Delivery of Material

3476 - See Southern Service Company
San Diego - Reline 66" x 16'-0" HRT Boiler

PEERLESS LAUNDRY & DRY CLEANING SERVICE

( ) 8605 - Los Angeles - Repair Connelly Boiler

PELTON DIVISION OF
BALDWIN-LIMA-HAMILTON CORPORATION

1075 Douglas Aircraft Co. - El Segundo
Labor & Material to Install Ceramic Liners
in Chamber of Hypersonic Wind Tunnel

PENNINGTON MFG.

14858	Taft, CA Lining for Caustic and Acid Pads @ WAC Station	10-2-87

PENNZOIL COMPANY

2144 - HRT Boiler Repairs

PEPSI-COLA BOTTLING CO.

3805 - See V. V. Lokie
Los Angeles - One (1) 50 h.p. Oil City Boiler

PERFORMANCE CONTRACTING INC.

14139	Fontana Modify model 1000-60 Thermal fluid heater	11-14-85

SEE KAISER CEMENT & GYPSUM CORPORATION

PERMANENTE CEMENT COMPANY

8872 - See Kaiser Engineers - Division of
Henry J. Kaiser Company
Cushenbury - Construct Refractory Linings on
Two #844 Fuller Coolers

2281 - Cushenberry Plant - Lucerne Valley
Renew Refractory Lining of Two
Movable Doors #1 and #2 Kiln Firing Hoods
(A) - Premium Time

NO. 801-118 U.S.A.

2393 - See Kaiser Engineers
Cushenbury, Calif
Install linings in Kiln, Cooler and Firing Hood

3035 - Cushenbury

Repair lower side walls on High-cooler of
#3 Kiln

3116 - Cushenbury

Repair Cooler and Hood on #1 Kiln

PETERSON MANUFACTURING COMPANY

4294 - Los Angeles - Incinerator Installation

PETRO-CHEM CONSTRUCTION COMPANY INC.

7359 - Petro-Chem Development Company Inc.
The Texas Company - Wilmington - Labor only to Install Refractories and Heat Insulating Materials for One (1) Petro-Chem Heater
(A) - To Haul Materials by Truck to Furnace Site

7456 - Petro-Chem Development Co., Inc.
Richfield Oil Corporation - Watson Refinery - Wilmington - To Construct Lining for One (1) Petro-Chem Heater

*
7645 - Petro-Chem Development Co.
Shell Oil Company - Wilmington - Marine Terminal
New Lining for One (1) Petro-Chem Heater

*7518- Petro-Chem Development Co. Inc.
C. F. Braun & Co.
Union Oil Company of California
Labor Only to Install Refractories & Insulation for One (1) Petro-Chem Heater
Extra- To Haul Material from Richfield Oil & Braun to Union Oil

C. F. Braun & Co. Engineers
7855 - Richfield Oil Corp - Watson Refinery - Wmgtn
Install refractories & Insulation - Feed Preheater H401 and H402

8105 -Shell Oil Company - Brea, California
Install Lining in One(1) Petro Chem Heater

8217 - The Ralph M. Parsons Company
Hancock Oil Company - Long Beach
Construct One Petro-Chem Iso-Flow Furnace

NO. 801-11R U.S.A.

PETRO-CHEM DEVELOPMENT COMPANY INC.

7359 - See Petro-Chem Construction Company
The Texas Company - Wilmington
Labor only to install Refractories and Heat Insulating Materials for One (1) Petro-Chem Heater
(A) - To Haul Materials by Truck to Furnace Site

7456 - See Petro-Chem Construction Company
Richfield Oil Corporation - Watson Refinery
Wilmington - To Construct Lining for One (1) Petro-Chem Heater

7518 - C. F. Braun & Co.
Union Oil Company of Calif. - Wilmington
Labor only to Install Refractories and Insulation for One (1) Petro-Chem Heater
Extra - To Haul Material from Richfield Oil & Braun to Union Oil Co.

7534 - The Fluor Corporation, Ltd.
Union Oil Company of Calif. - Wilmington, Calif.
Setting for Petro-Chem Vacuum Heater B-1
(A) - Setting for Petro-Chem Crude Heater B-101
(B) - Setting for Petro-Chem Crude Heater B-201
Extra - B&W K-20 I.F.B.
(A) Extra - Hauling Material
(B) Extra - Hauling Material

7645 - See Petro-Chem Construction Company Inc.
Shell Oil Company - Wilmington - Marine Terminal
New Lining for One (1) Petro-Chem Heater
(A) - Shell Oil Company - Direct
For above, to Renew Floor and Burner Throat

7855 - C. F. Braun & Co.
Richfield Oil Corporation - Watson Refinery - Wilmington, Calif. - To Install Refractories and Insulation - Feed Preheaters H-401 and H-402

7921 - Reconstruction Finance Corporation
The Dow Chemical Company, Agent - Los Angeles
Los Angeles Styrene Plant - To Install all Refractories and Insulation on One (1) Iso-Flow Furnace--Labor only

8329 - The Texas Company -Line One Petro-Chem Heater - Labor Only

PETRO-CHEM DEVELOPMENT COMPANY INC.

8550 - Construction & Service Division
The Texas Company - Wilmington
Install Petro-Chem Iso-Flow Furnace Lining

8829 - The Ralph M. Parsons Company
Hancock Oil Company - Long Beach
Construct Enclosure for One (1) Petro-Chem Heater
(A) - Fireproofing of Columns

8865 - The Ralph M. Parsons Company
Hancock Oil Company - Long Beach
Construct Enclosure for One Petro-Chem Heater -
Labor Only

8934 - The Petro-Chem Development Co., Inc.
The Ralph M. Parsons Company
General Petroleum Corporation - ~~Torrance~~ Wilmington
Install Lining in One (1) Petro-Chem Heater

PETRO CHEM - USA

11364	Ventura Repairs to F701 reformer	1/80
A	Repairs to F701 transfer line	
B	Repairs to S702 boiler	
11458	Ventura Repairs to bros boiler	3/80

PETROGAS PROCESSING CO.

4064 Ralph M. Parsons Co.
Balzac Alberta (Canada)
Design and supply waste gas incinerator

PETROL CORPORATION, THE

2645 - Tank Insulation

3164 - Brickwork - Two (2) Asphalt Stills

3169 - Blower House Foundation and Floor Slab

3268 - Repairs to Stirling Boilers #1 and #2

3263 - See Crude Oil Reforming Corp.
Experimental Furnace

3277 - Repairs to #2 Boiler

3315 - Repairs to Arch and Walls in Heater

3366 - Repairs to Stirling Boiler

3405 - Repairs to Retort and #1 Heater

3421 - Repairs to #2 Heater

3470 - Repairs to South Wall of #3 Still

3514 - Brickwork Repairs to Firebox Boiler #4

3555 - Repairs to Brickwork on Retort and Boiler

3564 - Brickwork Repairs to Still #4

3578 - Repairs to Retort

3597 - Repairs to Still #2 and #3

3733 - Repairs to #1 and #2 Boilers

3800 - Repairs to Brickwork in Retort

3864 - Repairs to Firebox - #1 & #2 Road Oil Heaters

3954 - Los Angeles, Bandini Blvd. - Retort Brickwork
Repairs

4032 - Los Angeles, 4020 Bandini Blvd.
Repairs to Heater Arch

4089 - Vernon - Brickwork Repairs on #1 Road Oil Heater

4150 - Los Angeles, Bandini Blvd.
To Install Leahy Burner in Retort

4177 - Repairs to Retort Furnace Wall

4299 - Los Angeles - Repairs to Brickwork of #2 Still

4241 - Los Angeles, Bandini Blvd.
Repairs to Retort Furnace

4318 - Los Angeles, Bandini Blvd. - Repairs to Retort

4343 - Los Angeles - Brickwork Repairs to #5 Still

(contd.)

PETROL CORPORATION, THE

4352 - See J. A. Carter Company
Los Angeles, Bandini Blvd. - Brick Setting -
Two (2) Single Class 11, No. 22 Boilers

4406 - Los Angeles, Bandini Blvd.
Brickwork Repairs to #2 Heater

4444 - Los Angeles,-Bandini Blvd. -
Brickwork Repairs to #2 Heater

4548 - Los Angeles, Bandini Blvd. - Brickwork Repairs to /Retort

4580 - Los Angeles, Bandini Blvd.
Brickwork Repairs to Firebox in #1 & #2 Boilers

4620 - Los Angeles, Bandini Blvd. Refinery
Brickwork Repairs to #2 Still

4679 - See The Fluor Corporation, Ltd.
Los Angeles, Bandini Blvd. - To Install Refractories and Insulation for One (1) 12 million B.t.u. Petro-Chem Iso-Flow Heater

4692 - Los Angeles, Bandini Blvd.
Brickwork Repairs to #4 Still

5604 - Los Angeles, Bandini Blvd. Refinery
Brickwork Repairs to Fireboxes and to Install New Burners in Three (3) Shell Stills

5759 - Los Angeles County, Bandini Refinnery
To Install Two (2) Doors in Road Oil Heaters

5858 - Los Angeles County, 4020 Bandini Blvd.
Misc. Repairs to Brickwork

5882 - Los Angeles, Bandini Refinery
Repairs to Brickwork on #1 Still

5888 - Los Angeles, Bandini Refinery - Repairs to Blr. #4

5947 - Los Angeles, Bandini Refinery - To Replace Brick on Top of Bridge Wall of Stirling Boiler #3

6125 - Los Angeles, Bandini Refinery
Petro-Chem Heater - Brickwork Repairs
(A) - Repair Floor of Firebox in #4 Boiler

6638 - Los Angeles - To Repair Brickwork over Burner in Oil Still
(A) - To Replace Brickwork around Tube Ends in Heater

PETROL CORPORATION, THE (contd.)

6869 - Los Angeles - To Repair Floors of Boiler Battery Setting to Accommodate Flue Pipes

6972 - Los Angeles - Bandini Blvd.
Repairs to Baffle in Boiler

PETROLEOS MEXICANOS

1053 See The Fluor Corporation
Minatitlan, Mexico - Engineering of Reactor Vessel Lining

PETROLEUM CONSTRUCTION COMPANY

8764 - North American Aviation, Inc. - El Segundo
Install Refractory & Insulation Lining in One
(1) Petro-Chem Heater

U.S.A.

PETROLEUM DEHYDRATING COMPANY

151 - See Celite Company
40 h.p. HRT Boiler

PETROLEUM EQUIPMENT COMPANY

2607 - Insulation of Stearns Dehydrator

2614 - Continental Oil Co. - Seal Beach
Plant #2 - Insulation of Bixby Boiler

2626 - Delivery of Insulation Material

2635 - Continental Oil Co. - Belbridge
Insulation of Three (3) 100 h.p. Titusville Fire-box Boilers

2641 - Continental Oil Co.
Repair Insulation on Steam Lines in #12 Boiler Plant

2647 - Continental Oil Co.
Repair Insulation on Boiler

PETROLEUM MAINTENANCE COMPANY

6978 - Standard Oil Company of Calif., Agent for
Reconstruction Finance Corp., Office of Rub. Res.
El Segundo - Butadiene Plant -
Brickwork Repairs

PETROLEUM MIDWAY COMPANY, LTD.

242 - Watson - Four (4) 250 h.p. Llewellyn Water Tube Boilers and San Joaquin Furnaces

246 - San Pedro - One (1) 250 h.p. Llewellyn Water Tube Boiler

PETROLEUM PROCESS COMPANY

2008 - Torrance - Four (4) Foster Superheaters

2021 - Torrance - Four (4) Gas Burners under Foster Oil Heaters

2065 - Torrance - Reaction Tower Brickwork

PETROLEUM SECURITIES CORP.

2212 - Ventura - Two (2) 54" x 16'-0" HRT Boiler

2228 - Ventura - Two (2) 54" x 16'-0" Half Arch Front HRT Boiler Setting

PETTIFER, CHAS. W.

6601 - City of Signal Hill, Calif.
Incinerator Lining

CHAS. PFIZER & COMPANY, INC
Division C. K. Williams & Company

2884 - Lucerne Valley
Install lining in Dorr-Oliver Fluosolid Kiln

3368 OWL CONSTRUCTION Co
Lucerne Valley
Install Jasper stone lining 4" thick,
in 8'-0" x 20'-0" ball mill

5009 Victorville
Renew roof dome refractory lining

5443 Lucerne Valley — 11/68
Replace Top Hearth In Kiln — HWB

6067 Replace middle deck in Dorr-Oliver — 1/70
Lime Reactor

8532 Lucerne Valley — 10/74
Minor Repairs to Dorr Oliver Lime Reactor

9515 Lucerne Valley, Ca. — 11/76
Repairs to the Dorr Oliver Reactor

9913 Lucerne Valley — 8/77
Repairs to Oliver Reactor

PHELPS-DODGE BRASS

8617 Los Angeles 12/74
Repairs to Rotary Furnace

10561 LA - Nec Repairs to Surface Combustion Furnace 10/78

12223 Los Angeles 6/81
Refractory repairs during yearly shutdown

12224 Los Angeles 6/81
Remove refractory and re-install for repalcement of radiant tubes on #6 85

12449 Los Angeles, CA 11/81
Repairs to Granco furnace

12753 Los Angeles, CA 7/82
Repair door on Granco furnace

12308 Los Angeles, CA 8/81
~~X2388~~ Repairs to Granco Furnace

12691 Los Angeles, CA 6/82
Repair Granco furnace

A Repairs to sloping hearth furnace

B Repair Granco furnace

12765 Los Angeles, CA 8/82
Repairs to Granco furnace

PHELPS DODGE BRASS CO

12843	Los Angeles, CA Repairs to #6-86 annealing furnace	10/82
12868	Los Angeles, CA Repair toe block granco furnace	11/82
13078	Los Angeles, CA Repairs to granco furnace	6/83
A	Repair heat treat furnace	
B	Repairs to #680 furnace	
C	Repairs to #685 furnace	

PHELPS-DODGE CORPORATION

345 - Douglas, Arizona - Queen Branch
Bigelow Arch Material for Six (6) Boilers

438 - Douglas, Arizona - Copper Queen Branch
Material for Bigelow Arches

446 - Douglas, Arizona - Copper Queen Branch
Material for Four (4) Bigelow Arches

2011 - Douglas, Arizona - Delivery of Material

2058 - Douglas, Arizona - Bigelow Arch Material

2159 - Delivery of Material

2199 - Douglas, Arizona - Bigelow Arch Material

2277 - Douglas, Arizona - Delivery of Bigelow Arch Material

3670 - See C. C. Moore & Co. Engineers
Douglas, Arizona - Insulation for Two (2) Waste Heat Boilers

3683 - See W. A. Bechtel Company
Morenci, Arizona - Four (4) Waste Heat Boilers and Two (2) Direct Fired Boilers

3716 - See W. A. Bechtel Company
Morenci, Arizona - One (1) Foster Wheeler Superheater

3983 - See W. A. Bechtel Company
Defense Plant Corporation - Plancor #434
Morenci, Arizona - Four (4) Waste Heat Boilers, One (1) Direct Fired Boiler, and One (1) Superheater

5917 - Morenci, Arizona - Installation of Lining in One (1) "Unox" Rotary Lime Kiln

6313 - See Foley Brothers, Inc.
Ajo, Arizona - New Cornelia Plant
To Construct Enclosures for Two (2) C-E, Type "VU" Boilers
(A) - To Apply External Insulation on C-E Boilers
(B) - Brickwork, second unit
(C) - Insulation Work, second unit
(D) - Phelps Dodge Corp. (direct) - Blacksmith Shop Repairs to Heating Furnace

6605 - See Foley Brothers, Inc.
Ajo, Arizona - Brickwork Repairs to Boiler #1, Damaged by Gas Explosion

(contd.)

PHELPS-DODGE CORPORATION (contd.)

6784 - See Combustion Engineering-Superheater, Inc.
Ajo, Arizona
Settings for Two (2) C-E Waste Heat Boilers

8880 - El Paso, Texas - Labor Only to Install Detrick Arch on No. 3 Wire Bar Furnace
(A) - Install Solid Brick Uptake Walls in #3 Wire Bar Furn
Extra - Premium Time
8893 - Los Angeles - Repair Rotary Hearth Furnace
(A) - Repair Side Walls of Rotary Hearth Furnace
(B) - Misc. Brickwork Repairs to Other Furnaces
(C) - Brickwork Repairs, Heat Treat Furnace
(D) - Repairs to Incinerator
(E) - Repair Linings on Three (3) Heat Treat Furnaces

9141 - Los Angeles - Repair Furnace Brickwork
(A) - Rebrick Door on Rotary Furnace

9314 - Los Angeles - Repair Heating Furnace #683
(A) - Repair Heating Furnace #780
(B) - Repair Heating Furnaces #680, #681, & #682

9324 - Los Angeles - Install Acid-proof Brick Paving in Chromic Acid Tank
(A) - Prepare Work around Door on Rotary Hearth Furnace
(B) - Repair Heat-Treating Furnace

9701 - Phelps-Dodge Corporation - Los Angeles
Repairs to Rotary Hearty Furnace
(A) - Repairs to Annealing Furnace

1058 - Los Angeles - Brickwork Repairs
(A) - Brickwork Repairs
(B) - Brickwork Repairs

1402 - Los Angeles -
(A) - Round Billet Furnace Repairs
(B) - Repair #6-80, #6-81 & #6-82 Tunnel Furnaces
(C) - Repair Furnace Tunnel Kiln #6-83 & #7-80
(D) - Heat Treat Furnaces #1 and #3

1545 - Los Angeles
Necessary repairs to 7-80 Gas Generator

(A)- Repairs to Furnace

(Cont'd)

PHELPS-DODGE CORPORATION (cont'd)

2032 - Los Angeles - Repair Rotary Piercer Furnace
(A) - Repair Annealing Furnaces #6-80, #6-81 & #6-82
(B) - Repair Bright Anneal Furnaces #6-83 & #7-80
(C) - REPAIRs to Gas Regenerator

2170 - Los Angeles - Repairs on Rotary Hearth Furnace

2270 - Los Angeles - Necessary repairs to Rotary Hearth Furnace

2580 - See General Electric Company
Los Angeles
Repair Fluidized Sand bed Furnace
(A) - Repeat repairs

2662 - See Kircher Asbestos & Rubber Co. Inc.
C. C. Moore & Co. Engrs.
Douglas, Arizona
Labor and materials to install refractories in Two (2) B & W Waste Heat Boilers
(Extra) Drill Brickwork to Accommodate 3/8" Dia. Studs

3285 The Ralph M. Parsons Co.
Install Refractory lining in Gas Ducts

3643 Los Angeles
Repair Rotary Hearth Furnaces and Roller Hearth Furnaces, and repair one packing refractory work of furnace top, 4 hours.

3767 Los Angeles
Necessary repairs to service comb. engineering furnace

4116 MORENCI SMELTER
Douglas, Arizona
~~Inspection of roaster flues~~
Inspection and repair of Roaster flue ductwork

PHELPS DODGE COPPER PRODUCTS CORP (Cont)

5972	Los Angeles Install brickwork in Bright Annealing Furnace Generator	10/69
6112	Los Angeles Repair rotary heat treating furnace.	2/70
6179	Los Angeles Repairs to surface combustion of rotary hearth	3/70
6344	Los Angeles Repair annealing furnaces sloping hearth furn. and rotary hearth furnace	
6504	Refractory linings - 15/Ton Ascast Gas Holding Furnace	12/70
A -	Install 4" castable refractory in spill basin below melting furnace.	
6633	Los Angeles Repair Ascast Holding Furnace	3/71
6685	Morenci, Arizona Supply 5 Burners and installation design for #3 Reverb	4/71
6791	Los Angeles Repair Rotary Furnace	
"A"	Repair Pierce Furnace	
"B"	Repair #682 Furnace	
"C"	Repair #683 Furnace	
6999	Morenci, Ariz. Design one air preheater	12/16/71
7021	Douglas, Ariz. Furnish Abresist and Mortar for Parshall Flume	1/72

PHELPS DODGE CORP (Cont.)

7225	Morenci, Az Labor only to repair #3 reverb furnace.	6/72
A	Labor to repair uptakes on #3 reverb furnace	
7460	STEARNS-ROGER Morenci, Az Refractory installation	12/72
7836	Douglas, Az Design and construct protable oil burner	8/73
8205	STEARNS - ROGER Ajo, Az Acid brick doubles lining for two humidifying towers Repair acid brick lining in two humidifying towers	4/74 RCN
8333	STEARNS-ROGER Morenci, Az Spare parts	6/74 CRT
8368	Morenci, Az Labor only to repair #3 reverb	7/74 WRS
A	Repairs to walls	
8687	Morenci, Az Furnish 52 frames	2/75
9308	Morenci, Az Acid bric k repairs humidifying and cooling towers	6/76
A	Install top floor course in 2, 98% pump tanks.	

PHELPS DODGE CORP (Cont.)

9538	Hidalgo, New Mexico Install new roof on electric slag furnace	11/76
9836	Hidalgo, New Mexico Labor only, refractors repair to flash smelter and electric furnace slag.	6/77
A	Furnish refractory anchor system	1/78
9844	Morenci, Az Repairs to #5 reverb	6/77
A	Install new top floor course in pump tank	
10723	Morenci, Az Repoint humidifying tower	1/79
10800	Playas New Mexico Refractory repairs to Krupp electric furnace	3/79
10994	Morenci, Az Repair roof on #3 reverb	6/79
11376	Morenci, Az Troubl shoot JTT air pre-heater	1/80 JEA
11559	Morenci, Az Labor and material to rebuild #3 reverb	5/80 JEA
11612	Morenci, Az Service #5 air pre-heater	6/80 JEA

PHELPS DODGE CORP (Cont.)

11712	Morenci, Az Labor to rebuild #5 reverb	8/80 JEA
11713	Morenci, Az Rebrick the 93% pump tank on "A" train-acid tank	8/80 JEA
11723	Morenci, Az Rebrick the 93% and 98% pump tanks on "B" train	8/80 JEA
11724	Morenci, Az Install refractory castable to roaster sprinkle test baffle.	8/80 JEA
12608	Los Angeles, CA Repairs to Granco furnace	8/81
12691	Los Angels, CA Repair Granco furnace	6/82
A	Repairs to sloping hearth furnace	
B	Repair Granco furnace	
13050	Morenci, AZ Rebuild roof and upper side walls and uptake #3 reverb	JEA 5/83
13055	BOWEN CONSTRUCTION Hidalgo, NM Repair delta section in electric slag cleaning furnace	JEA
A	Repair delta section in electric slag cleaning furnace	7/83
	Hot patch uptake side wall of the outo kumpu flash smelter	7/83

PHELPS DODGE (CONT)

13055	Continued	
C	Gunite cress hauler bay roof	7/83
13193	Morenci, AZ Instrumentation trouble shooting on #5 air pre-heater	9/83 JEA
13220	Morenci, AZ Supply labor only to install brick lining in duct work for absorbing towers.	JEA/FCN 11/83
13403	Morenci, AZ Inspect and Service Air Heater	3/84
13500	Hidalgo N. Mexico Rebrick Outokumpu Smelter	6/84
14129	Hidalgo Supply burners and controls for gas various equipment. Train burners and flame management panels for two super heaters, 3 process air heaters and one Lurgie air preheater	11/85
14268	Playas, NM Supervise installation of burner equipment supplied on Job 14129	3/86
14760	Hurley, NM Rebuild INCO flash smelter	6/87

PHELPS DODGE TUBE COMPANY

7318	Los Angeles Repairs to rotary kiln	9/72
A	Repairs to furnace #680	
B	Repairs to furnace #681	
C	Repairs to furnace #682	
D	Repairs to surface combustion furnace	
7499	Los Anglees Burner modifications	12/72
7694	Los Angeles Necessary repairs to incinerator	5/73
7793	Los Angeles Labor and material to lower slag door on ascast furnace	8/73
7808	Los Angeles Repairs to rotary furnace	8/73
7886	Los Angeles Replace the main arch in #680 annealing furnace	8/73
8173	Los Angeles Repairs to rotary furnace	3/74
A	Additional work on rotary furnace	
8340	Los Angeles	7/74
A	Repair sloping hearth	
B	Repair 6-80 Furnace	
C	Repair 6-81 furnace	
D	Repair 6-82 furnace	
8555	Los Angeles Repairs to #685 furnace	11/74
8639	Los Angeles Form and pour castable in gas generator	1/75

PHELPS DODGE TUBE COMPANY

8773	Los Angeles Necessary repairs to #682 Aluminum furnace	4/75
8994	Los Angeles Necessary repairs to rotary furnace	10/75
8877	Los Angeles Annual shutdown repairs	6/75
9314	Los Angeles Repairs to rotary hearth furnace	6/76
A	Repairs to burners on #680 furnace	7/76
9752	Los Angeles Pour upper case induction furnace	4/77
9822	Los Angeles Repair gas generator	6/77
10852	Los Angeles Repairs to rotary furnace flue	3/79
10893	Los An geles Repairs to the lance furnace	4/79
A	Additional work and premium time	
10900	Los Angeles Repair roller hearth annealing furnace	4/79
A	Additional repairs	5/79
10963	Los Angeles Remove and replace complete lining in rotary hearth furnace	5/79

PHELPS DODGE TUBE COMPANY

11025	Los Angeles Repair annealing furnace	7/79
11038	Los Angeles Repairs to CO heating furnace	7/ 79
11272	City of Commerce Necesary repairs to rotary hearth furnace	11/79
11649	City of Industry Repairs to rotary furnace	6/80
11662	OMNI SERVICE Los Angeles Necessary repairs to roller annealing furnace	7/80
11971	Los Angeles Repair lance furnace	1/81
12068	Los Angeles Repairs to Granco furnace	3/81
12166	Los Angeles, CA Necessary repairs to Granco furnace	5/81
12191	Los Angeles Repairs to Granco furnace	5/81
12384	Los Angeles, CA Repair Granco furnace	10/81

PHELPS DODGE TUBE COMPANY

12521	Los Angeles, CA Repairs to Granco furnace	1/82
12554	Los Angeles, CA Tow block and repair granco furnace	2/82
12949	Los Angeles, CA Repair burners in Granco furnace	2/83
12971	Los Angeles, CA Repair furnace #6-86	
13209	Necessary repairs to CO-granco furnace	10/83
13228	Repairs to 680 annealing furnace	11/83
14129	Hidalgo Supply Burners & Controls for gas various Equip. Train burners & Flame management panels for two super heaters 3 process air heaters and 1 lurgie air preheater	11-7-85
14268	Playas, NM Supervise installation of burner equipment supplied on Job 14129	3-18-86

PHILIPPINE PRESIDENT LINES

6084	"SS PRES MARCOS" - Long Beach Rebrick front wall, starboard blr	Jan/70
6328	Pres Osmena Repair starboard boiler	Jul/70
6483	c/o Amerind Shipping Corp (NY) "SS PRES. MACAPAGAL" - San Pedro Furnish material	Nov/70

PHILIP PARK CO

5797 San Pedro 7/21/-?

Repair Kelp Drying Furnace

PHILLIPS PETROLEUM

5588	Santa Barbara Repairs to Broach Oil Heaters	HWB 2/21/69
8946	J T THORPE & SON-Martinez Refractory Dryout for CO Duct	8/75

PHOENIX CEMENT COMPANY
DIVISION OF AMERICAN CEMENT CORPORATION

9941 -See Fisher Contracting Co.
Clarkdale, Arizona - Labor Only to Install Lining in Two Cement Kilns

(A) Labor and Arch Materials to Install Linings in Two Fuller Coolers

1005 - See Fisher Contracting Co.
Clarkdale, Arizona - Tear Out 19" of Throat & $4\frac{1}{2}$" of Taper Section of #1 Kiln Feed End

PHOSPHATE CHEMICALS, INC.

3560	J T Thorpe Company Ralph M. Parsons Co. Pasadena, Texas Sulphuric acid plant Furnish and install acid proof refractories

PICO STEAM BATH

1039 **Los Angeles - Repairs to Boiler**

3549 Los Angeles - Necessary repairs to 2 Steam Bath Pots

PILLSBURY-GLOBE

7602 - Division of Pillsbury Mills, Inc.
East Los Angeles Feed Mill - East Los Angeles 22
#2 Boiler Repairs

PIOCHE MANGANESE COMPANY

7490 - See Standard Steel Corporation - Pioche, Nevada
Refractory Lining for One (1) #633 Fuller
Inclined Grate Cooler

NO. 801-11R U.S.A.

PIONEER ALUMINUM

1618 - South Gate
Reline Aluminum Melting Furnace

2034 - South Gate
Repair #2 Furnace

2339 - South Gate
Rebuild Homogenizing Furnace

2351 - Los Angeles
Install Lining #3 Aluminum Remelt Furnace

6089 - See Morris Pikish
Pioneer Alum Div.

PIONEER BOILER WORKS

5440 - California Rendering Co. - Los Angeles
Brick Setting for One (1) Class "K" No. 27
Stirling Boiler

PIONEER DIVISION, THE FLINTKOTE CO.

8806 - See the Coen Company
Los Angeles - Install Coen Burner Tile on
Foster-Wheeler Boiler

3955 Los Angeles
Cutting Engineering Works

Install castable refractory in Cutler heater

(Damaged in shipment)

PIONEER DIVISION, THE FLINTKOTE COMPANY
(Formerly: Pioneer Flintkote Co.)

Pioneer Flintkote Co.

2878 - See C. C. Moore & Co. Engineers
One (1) F16A #13 Integral Furnace Boiler

3011 - Asphalt Heating Tank

3293 - See C. C. Moore & Co. Engineers
Brick Setting - One (1) B. & W. F16AE #13 Boiler

3740 - Repairs to #2 Boiler

Pioneer Division, The Flintkote Company

3939 - Los Angeles - Boiler #2 Brickwork Repairs

4525 - See C. C. Moore & Co. Engineers
One (1) F16AE13 Integral Furnace Boiler
(A) - Insulation of Hot Gas Duct, Air Heater and Air Duct; Furnace Side Walls and Roof

5370 - (Cancelled) - Vernon
Renew Floor and Patch Chrome Ore on Tubes in #2 Boiler

6067 - See C. C. Moore & Co. Engineers
Vernon - Repairs to Arch on 1935 Boiler

6588 - Vernon - Repairs to Lower Front Wall, Bridge Wall, and East Side Wall - Boiler #1

7055 - Vernon - Brickwork Repairs to B. & W. FAE13, #16 Integral Furnace Boiler #2

7519 - Pioneer Division, The Flintkote Co.
Vernon - To Repair #4 Boiler

7695 - Vernon - Repairs to Riley Boiler Setting
(A) - Repairs to Boiler #2

7866 - Vernon - Replace Gas Baffle in Riley Boiler

7886 - Vernon - To Patch Screen Tube Baffle on #2 B. & W. Boiler

7969 - Vernon - Boiler No. 3 - To Renew Burner Tile

8021 - Vernon - To Repair Boiler #2

8040 - Vernon - B&W Boiler #3 - Repairs to Baffles & Refractories

PIONEER PACIFIC WORSTED COMPANY

280 - Golden State Woolen Mills - Long Beach
San Joaquin Furnace and Repairs to Furnace Walls

412 - Repairs to San Joaquin Furnace and HRT Boiler

2093 - Repairs to Foster Marine Boiler

2692 - Remove Stack

PIONEER PAPER COMPANY

136 - Los Angeles - Two (2) Stills

148 - Smokestack (file gone)

159 - One (1) 9'-6" x 28'-0" Still

166 - Still Stack and Flue

169 - 8 x 20' Still #3

178 - Still #5

182 - Two (2) Asphaltum Retorts

202 - Insulate Leads of Four (4) Stills

214 - Asphaltum Retort - San Joaquin Furnace

215 - To Raise and Brick Still

248 - Incinerator

274 - Repair Work

357 - Repairs to San Joaquin Furnace

391 - Delivery of San Joaquin Tile

457 - Boiler Repairs

475 - Boiler Repairs

486 - Repairs to HRT Boiler

2019 - Boiler Repairs

2038 - Repairs to Incinerator

2428 - Tearing out Three (3) Asphalt Stills; Erection and Foundation for Two (2) Asphalt Stills

2429 - Brickwork for Two (2) 10' x 30' Asphalt Stills and One (1) 9'-2" x 24'-0" Asphalt Still

PIPE FABRICATING & SUPPLY COMPANY

10993 C F BRAUN/ATLANTIC RICHFIELD
Furnish and install refractory lining UA
label piping on FCC modifications 6/79
RCN

PIPE SPECIALTY COMPANY

5072 - Newport Beach - LST-488 - Rebrick Boiler

NORMAN PITT CO

6701	Los Angeles Design and Construct Rice Hull Burner	5/71
9348	Los Angeles - Furnish & Install Lining in 2-Ton Incinerator Furnace & Heat Exchanger.	7/76
10157	LA - Industrial Mineral - Ventura Supply Burners & Control System for Clay Dryer.	1/78
"A"	Supply Oil Pump Set.	
12252	Carson Yard Install refractory lining in boiler hopper	7/81 RCN
12648	OCEAN SALT CO Long Beach, CA Design and furnish 12MM BTU/Hr salt dryer	4/82 RPA
13134	Carson Yard Testing low oxygen content air burners	GPH 8/83

PITTSBERG CHEMICAL COMPANY

3762 - Los Angeles - Reline Rotary Kiln

4167 - Los Angeles - Brickwork for Two (2) Pot Furnaces

4869 - Los Angeles - Brick Lining for Glens Falls Combustion Chamber

5134 - Los Angeles - Sulphur Burner Repairs

5392 - See Process Equipment Company
Los Angeles - One (1) 250 h.p. Shipping Board Blr.
(A) - Rebuild Tile Wall of Old Boiler House at
Richfield Oil Corp. - Watson

PITTSBURGH PLATE GLASS CO.

7502 - Torrance - Ball Mill Repairs

7686 - Paint Division - Torrance, Calif - To Reline One (1) #75 Pebble Mill - 4'-0" dia. x 5'-0"

1026 - Torrance - Repairs to Ball Mill

2872 - (at our Wilmington Warehouse)

Labor only to Line Lid

NO. 801-11R U.S.A.

PLANT BETTERMENT SERVICES

12692 SOUTHERN CALIFORNIA EDISON
Redondo Beach, CA 6/82
Repairs to boiler #5

PLAS - TAL MFG COMPANY

12653	Santa Fe Springs, CA Furnish and install castable lining in duct work	5/82 RCN
12775	SOULE STEEL Long Beach, CA Install refractory in four ducts	8/82
13245	Stroh Brewery Van Nuys, CA Refractory installation 3-Brew kettle furnaces	11/15

PLAS-TAL MFG CO INC

9603	Douglas Oil - Santa Fe Springs Install Lining in Waste Gas Incinerator Stack	1/77
9768	Santa Fe Springs Install Lining in Heater Stack in their yard.	5/77
"A"	Shipping damage repairs to Incinerator Stack at Douglas Oil	
"B"	Misc Modifications to Incinerator Stack at Douglas Oil	
10250	Santa Fe Springs Southwestern Portland Cement Install Ab resist Lining in 2 Chutes	3/78
10859	Santa Fe Springs - Labor only to install refractory lining in portion of reactor riser line	3/79
11084	SOUTHWEST PORTLAND CEMENT Victorville - Install abresist lining in tripper cnute	8/79
11111	SOUTHWEST PROTLAND CEMENT Victorville - Install abresis & lining in tripper chute	8/79
11817	Santa Fe Springs Labor for cutting abresist tile	10/80

PLESSEY PRECISION METALS

8517	LA Line Hydrofluoric Acid Tank		10/74
9321	LA Repairs to Hydroflouric Pickling Tank		6/76

PLIBRICO COMPANY

2560 - See F. S. Bitgood, Inc.
Bigelow Arch for Arnold Dryer

POCO GRAPHITE CO

~~KGH~~

6269 Decatur, Texas
Flue System + afterburner
for carbon baking furnace

POLY INDUSTRIES

3550	Thermo Products Division Pacoima Repair heat treating furnace

POMEROY, J. H., & CO., INC.

9388 - U. S. Lime Products Corporation - Apex, Nevada
Install Linings in Two (2) New Rotary Lime Kilns; Firing Hoods; Dust Chambers; Preheaters; Stacks; and Lime Coolers

Extra - Remove & Replace 4 rings of Firebrick in Ends of #1 & #2 Kilns

9580 - Long Beach - Furnish Labor for Replacing Lower East Burner Blox on Odor Control Furnace

POMONA, CITY OF

7765 - Pomona, California - Repair Incinerator

8058 - Pomona - To Repair Pier in #2 Incinerator

8081 - Pomona - Incinerator Repairs
(A) - For Morse Boulger Destructor Co. Account

8389 - Pomona - Repair Furnace #2 Incinerator

~~(A) - Repair Furnace #1~~

8902 - Pomona - Repair Incinerator

POMONA FOUNDRY

3259 Pomona
Gunite chrome-pak-on inductothern iron melting furnace

POMONA TILE MANUFACTURING COMPANY (contd.)

6521 - Pomona - Brickwork Repairs to #5 Allied Prouty Type Tunnel Kiln

6789 - Pomona - To Replace Split Brick Floor in Allied Twin Muffle Kiln
(A) - To Replace Split Brick Floor in another Kiln

7079 - Pomona - To Replace Hearths on #1 and #2 Prouty Kilns

7368 - Pomona --To Repair Prouty Kiln
(A) - To Repair Another Prouty Kiln

7693 - Pomona, Calif. - To Repair Hearth on Tunnel Kiln

7888 - Pomona, Calif. - To Renew Floor on Prouty Kiln

1784 8090 - Pomona - Engineering and Labor to Construct One (1) Bisque Kiln and Two (2) Gloss Kilns
(A) - To Furnish N. A. Mfg. Co. Burner Equipment for above Kilns
(B) - To Furnish Temperature Control Equipment
(C) - To Furnish Misc. Materials
(D) - To Install Refractory Lining in Dryer-Labor Only

5180 Pomona
Supply labor and material for lining dryer (5/68)

5492 Pomona 12/68
Install 6 Preheat Burners WFB

POMONA TILE MANUFACTURING CO.

2066 - One (1) Compartment Kiln

2112 - Installing Kiln Floor

2203 - Repairs to Kiln

2222 - Repairs to Kiln

2234 - Repairs to Kiln

2307 - Pomona - One (1) Tunnel Kiln

2339 - Kiln Repairs

2412 - Kiln Repairs

2448 - Repairs to Kiln

2483 - Repairs to Rectangular Kiln

2507 - Kiln Repairs

2524 - Pomona - Tunnel Kiln

2539 - Repairs to Kiln

2542 - Tunnel Kiln

2570 - One (1) Tunnel Kiln and Repairs to Periodic Kilns #9, #10 & #11

2587 - Remodel Tunnel Kilns #1, #2 & #8

2631 - #9 Kiln Repairs

2746 - Repairs to Kiln

2785 - Kiln Repairs

2931 - Kiln

2961 - Repairs to Tunnel Kiln and Dryer

3010 - Kiln Repair

3029 - Dryer

3054 - Allied Tunnel Kiln Brickwork

3065 - Tunnel Kiln #7 and Dryer (Allied Kiln)

3094 - Kiln #4 and #6 Repairs

3116 - Kiln #1 and #9

3547 - Foundation and Lining - Dryer Furnace

5210 - Pomona - Repairs to Tunnel Kiln

5434 - North Hollywood - Brickwork on Four (4) Tunnel Kilns of Allied Engineering Co. Design

5732 - North Hollywood - Cut Allied Kilns into Three (3) /Sections

PONC SPEC. GROUP INC.
~~PRODUCTOL CHEMICAL~~

13630	Santa Fe Springs CA Repairs to #1 HRT Boiler	9/84
14263	Santa Fe Springs Install cease fire in #4 HRT heater	3-17-86
15136	Santa Fe Springs, CA Repair waste gas incinerator	7-11-88

PONC SPEC. GROUP INC.

(Formerly
PRODUCTOL CHEMICAL COMPANY)

2833 - See Ehrhart & Associates
Santa Fe Springs
Repairs to Fired Heater

3448 Santa Fe Springs
Repairs to Dow Therm Furnace

7810 Santa Fe Springs
Repairs to #4 waste heat boiler 8/73

7825 Santa Fe Springs
Repairs to #7 waste heat boiler 8/73

7810 Productol Chemical Co. 8/73
Santa Fe Springs
Repairs to #4 waste heat boiler
"A" Engineering

8526 Whittier 12/74
Labor & Mat'l for fabrication &
Installation of new Burner Equipment.

12171 Santa Fe Sorings 5/81
Refractory repairs

12197 Santa Fe Springs 6/81
Repairs to #8 boiler

12553 Santa Fe Springs, CA 2/82
Repairs to burner wall of #4
heater and boiler

12851 Santa Fe Springs, CA 11/82
Repair incinerator roof

PONTIAC MOTOR CAR CO.

15021 Pontiac, Michigan 3-10-88
Loopseal Brickwork Repairs

POPCO

12900 RALPH M PARSONS/
Los Flores Canyon RFB
Sulfur recovery project 12/82

14054 Goleta
Inspect and repair unit 8-85

14214 Goleta
Repairs to reactor furnace 1-20-86

14565 Goleta 12/86
Material Sale

14978 Carson Yard 1-20-88
SRU Reaction Furnace

15165 Goleta, CA 8-9-88
Repairs to reaction furnace

POPE & TALBOT, INC., STEAMSHIP DIVISION
POPE & TALBOT, INC., McCORMICK STEAMSHIP DIVISION

4402 & (A) - See War Shipping Administration, U. S. A.
Berth #146 - Wilmington
S. S. "Frances Parkman" - Repair Galley Range

Pope & Talbot, Inc., Steamship Division

7069 - Wilmington, Berth 146 - S. S. "Albert S. Burleson"
To Renew Insulation in Door

H K PORTER CO INC

6300	Wilmington	6/70
	Construct # 3 coke calciner	

PORTLAND TUG & BARGE COMPANY

5751 - Tugboat "Luna" - Repairs to Galley Range

PORTLAND GAS & COKE COMPANY

3672 - See Bechtel-McCone-Parsons Corp.
Portland, Oregon - Reboiler Furnace

PORT WELDING COMPANY

6377	Port Hueneme U S NS Huntsville Repair port boiler	8/70
6403	SS HONG KONG BEAR San Pedro Enclose Superheater doorway	9/70
6735	SS RAPPAHANNOCK Long Beach Repairs to Port Boiler	6/71
7292	Coast Guard Cutter "Rappahan nock" Long Beach Starboard Boiler Repair	7/27/72
7458	San Pedro - Berth 97 M V Silverstone Repair cockran boiler.	12/72
8451	SS Chevron Lehigh Wilm. & San Pedro Repairs to Starboard Boiler	8/74
8625	Redondo Beach SS Oregon Standard	12/74
8807	EVVON NEWARK-Long Beach Nec Repairs to Boiler	5/75

PORT WELDING COMPANY

4789 Wilmington
"SS Alfred Victory"
Repair port boiler

4856 Port Hueneme
"SS Great Falls Victory"
Repair galley range

4867 San Pedro
"SS President Fillmore"
Repair port boiler

5185 "SS Sagamore Hill"
Long Beach
Repair starboard boiler (6/68)

5195 "SS Cosmo Trader"
Long Beach
Report port boiler (6/68)

5669 "SS Reliance Prosperity" 4/69
Terminal Island WO
Repair starboard boiler

5825 Long Beach 8/2
"SS American Miller"
Reapir port boiler

6260 Wilmington
"SS Copper State" Long Beach
Repairs to port boiler

6287 "SS Steel Chemist" Long Beach
Repair port boiler

A Repair starboard boiler

6312 "SS Bay State"
Long Beach
Repair starboard blr

POST TRANSPORTATION CO

9274	Carson - Acid Brick Lining for Chemical Sump.	5/76
"A"	Repairs to Concrete	
10580	Carson - Install Acid Brick in Drain Box	10/78

POTRERO PLUMBING COMPANY

1450 - Pacific State Hospital - Spadra

Renew Front Wall on Boiler #4

POTLATCH FOREST, INC.

7887 - See C. C. Moore & Co. Engineers - Pomona, Calif. - To Renew Arches over Leahy Burner in B. & W. Class H-3 Special No. 27 Boiler

9522 - Pomona - Repairs to B&W Class H3 #15 Boiler Boiler #3

POWER CIRCUIT BREAKER DIV-Downey
of ITE IMPERIAL CORP

9177 Repair Bell Furnace 2/76

POWER MAINTENANCE INC.

12965	SHELL/Dominguez, CA Repairs to CO boiler	2/83

POWERINE OIL COMPANY (formerly Rothschild Oil Co)

(SANTA FE SPRINGS)

3479	Fluor Corporation Ltd One UOP Heavy Oil Heater and one UOP Light Oil Heater
3485	Fluor Corporation Ltd Two UOP Type 'D' Heaters and one Type 'B; Poly Gas Heater
4079	Fluor Corporation Ltd Insulation repairs to UOP heater
6761	Install new insulation lining in flues and breeching of UOP Heavy Oil and Light Oil Htrs
9507	One Crude Still Lining
9570	Install refractory lining in Platformer Htr and UOP Heater Cone
9819	Install lining in Anderson Heater
9958	Labor to install refractory linings in Sulphur Conversion Unit
9958A	Line Seal Pot
1661	Labor and matl to install 2" lining Haydite-Lumnite-Vermiculite on Sides and Floor of Fire Pit
1685	Install gunite lining on walls of existing heater.
3951	Repair LXH-1 Heater
4409	Labor and matl to rebrick target wall in fluid unit retort
4607	Fluor Corporation Ltd Furnish and install refractory lining in reactor regenerator F-V5 and F-V6.

POWERINE OIL COMPANY (Santa Fe Springs) cont'd...

4607A	Furnish and install sand-cement lining in product separator	
4607B	Install lining in John Zinc air heater	
4980	Repair Erie City Boiler	
5295	Repair 2 Foster-Wheeler ship boilers	8/68
5451	Install lining in Petrochem heater	11/68
5451A	Insulating floor on Petrochem heater	
5533	Repairs to Regenerator Cyclones on FCC unit	1/69
5679	Repair north Foster-Wheeler Blr	4/69
5845	Repair CO boiler	8/69
5865	Repair Regenerator	8/69
6025	Repair Petrochem furnace	12/69
6427	Repair Lomax Heater	11/70
6495	Repair Cyclone, Cat Cracker shutdown	11/70
6499	Repair Reboiler Furnace	12/70
6505	Repair Sulfur Burner	12/70
6867	Repairs to Lomax C2 Incinerator	9/71
6954	Santa Fe Springs Concrete lining in Lomax rerun overhead receiver	11/17/71
6978	Santa Fe Springs Install one lining in one auxiliary burner	12/6/71
6981	Santa Fe Springs Repairs to Lomax DC heater	12/7/71
"A"	Install lining in hydrocracking unit	12/15/71

POWERINE OIL COMPANY (Continued)

7092	Santa Fe Springs Repairs to South Foster-Wheeler Boiler	2/72
7195	Santa Fe Springs Repair Cat. Cracker	5/72
7231	Santa Fe Springs Repairs to North Foster-Wheeler Boiler	6/72
7303	Santa Fe Springs Repairs to C. O. Boiler	8/2/72
7376	Santa Fe Springs Necessary repairs to the South FW boiler.	10/72
7444	Santa Fe Springs Repairs to H C Heater.	11/72
7647	Santa Fe Springs Necessary repairs to #2 and #3 Reformer	4/73
7664 "A"	Santa Fe Springs Cut out hexsteel in bottom of reactor Cat Cracker Shut-down	5/73
7689	Santa Fe Springs Install heat shield at top and bottom of orifice chamber of the fluid catalytic cracking unit	5/73
7712	Santa Fe Springs Repairs to north Foster Wheeler boiler	6/73
7730	Santa Fe Springs Labor only to rebrick wall heater	6/73

POWERINE OIL COMPANY (Santa Fe Springs)
Continued

8020	Santa Fe Springs Nec. repairs to B crude unit	12/27
8149	Santa Fe Springs Repairs to "A" Petrochem furnace	3/74
8346	Repairs to Born heaters at Crude B unit	7/74
8534	Repairs to Orifice Chamber of the Catcracker	10/74
8664	Santa Fe Springs Repair Slide Valve with AA22.	1/75
8785	Western Nuclear/Div Associated Piping & Engineering - LA Install AA22 Lining in Reactor Riser Lining.	4/75
8857	Repairs to Orifice on Cat Cracker	6/75
8914	Associated Piping & Engr Corp-Compton Install AA22 Lining in Expansion Joint.	7/75
8959	Repair Orifice Chamber	8/75
9129	Nec Repairs to LXH3 and LXH4, and the 3PH #1, #2 and #3 Heaters.	1/76
9159	Santa Fe Springs Repairs to #1 Heater	2/76
9247	Repairs to Cat Cracker	4/76

POWERINE OIL CO (Santa Fe Springs)

	9260	Repairs to the Orifice of the Cat Cracker	5/76
	9442	Repairs to Heater VH-1	9/76
	"A"	Repairs to Petro Chem Heater	
	9470	Repairs to the LXH, 3 Heater	10/76
	9644	Nec Repairs to Plenum Regenerator	2/77
	9793	Nec Repairs to Regenerator	5/77
X	9830	Santa Fe Springs - Repairs to Sulfur Plant	6/77
	9882	Santa Fe Springs - Preflash Reboiler	7/77
	10022	Santa Fe Springs - Install New Burner Refractory on Floor	10/77
	10243	Santa Fe Springs - Repair Flare Stack Burner	2/78
	10315	Santa Fe Springs - Nec Repairs to Petrochem Heater	4/78
	10408	Repairs to the Reactor	6/78
X	10530	Repairs to FS10 Sulfur Combustion Unit	9/78
	10787	Cat Cracker turnaround refractory repairs to new Co Boiler	2/79
	A	Repair damaged burner throat	

POWERINE OIL COMPANY

10905 Santa Fe Springs - Install insulating brick in the bottom heads of reactors 3PV-2 & 3PV-3 4/79

10979 Santa Fe Springs - Nec. repairs to three heaters #LXH2,3 & 4 and product separator 6/79

11153 Santa Fe Springs - Repair burner throat co boiler 9/79

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11177 Santa Fe Springs 9/79
Nec repairs to heater CO

11195 Santa Fe Springs 10/79
Fireproof skirt CO

11321 Santa Fe Springs 1 /79
Install lining in stack

11391 Santa Fe Springs
Remove & replace four burner tile in crde heater 2/80

11411 Santa Fe Springs 2/80
Remove and replace lining in two stacks

11426 Santa Fe Springs
Remove and replace lining #104 petro chem heater 2/80

11456 Santa Fe Springs 3/80
Nec. repairs to CH103 petro chem heater

POWERINE OIL

11958	Santa Fe Springs Install burner tile and floor brick in crude pre-flash heater	1/81
11959	Santa Fe Springs Install burner tile and brick on floor vacuum heater VH-2	1/81
12042	Santa Fe Springs Repairs to born heaters CBH01 and CBH02	2/81
12057	Santa Fe Springs Fireproof supports and two vessel structures	3/81 RCN
A	Fireproof vessel skirts and reactories	
12114	Santa Fe Springs Install burner tile in eight burners born heater	4/81
12177	Santa Fe Springs Repairs to heaters IH1 and IH2	5/81
12409	Santa Fe Springs, CA Repairs to FCCU	10/81
12477	WESTERN PETRO-CHEM/ FOSTER WHEELER/Santa Fe Springs New construction reformer furnace	12/81 RFB

POWERINE OIL COMPANY (Cont.)

12477 Continued

A	Lost time caused by WPC
B.	Fill catalyst support cones
C	Install studs in outlet manifold
D	Repair access dor & door jamb in de-nox section of reformer heater
E	Repair reformer efficent cooler
F	Extra work in effluent cooler

12741	Santa Fe Springs, CA Repairs to air heater of FCC unit	7/82
12748	C MACK Santa Fe Springs, CA Install new burner on CHB01 & B02 heaters	7/82
12756	Santa Fe Springs, CA Necessary repairs to the CHB01 crude heater	7/82
12789	Santa Fe Springs, CA Repair CO boiler	8/82
13249	Powerine Oil Santa Fe Springs Repair south unit "B" reaction furnace	1/18
13265	Santa Fe Springs, CA FCC Turn around repairs	12/1
"A"	Repair Co Boiler	

POWERINE OIL COMPANY (Cont)

12819	Santa Fe Springs, CA - Repair sulfur burner in coke plant.	9/82
A	Repair sulfur burner in coke plant.	
12979	Santa Fe Springs, CA Repair burn heater	3/83
13045	H4-H1 furnace and repair 9457 tail wall	5/83
13057	Carson Yard Fabricate 30 peep hole door covers	5/83
13093	Repairs to burner throat co boiler	7/83
13098	Repair burner and brick door for south "A" unit reaction furnace	7/83
13124	Repairs to "B" unit reaction furnace	RCN 8/83
13307	Santa Fe Springs Repairs to FH-3 Crude Heater	1/5
14511	Santa Fe Springs Repair the bottom head FLV9 seal pot	11/86
14512	Repair crude unit heater #CH100	11/86
14513	Santa Fe Springs Repairs to ISOM unit heaters IH1 and IH 2	11/86
14521	Santa Fe Springs Repairs to vacuum tower heaters	11/86
14529	Santa Fe Springs Repair convection sections of H1 and H2 vacuum heaters	12/86

POWERINE OIL

14533	Santa Fe Springs Repairs to IF0 stripper reboiler heaters unit IHI	12/86
14535	Santa Fe Springs Repairs to CHB #1 and #2	12/86
14582	Santa Fe Springs Erect scaffolding 3 PH2 heater	1/87
14593	Santa Fe Springs Repairs to unifiners heaters HH1 and 2	1/87
14594	Santa Fe Springs Repairs to sulfur recovery unit	1/87
14595	Santa Fe Sppings Repairs to tail gas unit reducing gas generators TGH1	1/87
14605	Santa Fe Springs Repairs to FHT-H1 reactor charge heater	2/87
14653	Santa Fe Springs Repairs to FCC unit	3/87
14705	Santa Fe Springs Repairs to south sulfur unit	5/87
14706	Santa Fe Springs DCH-1 A1 and B heaters	5/87
14744	Santa Fe Springs Repairs to Keystone boiler	6/87
14750	Santa Fe Springs Refractory repairs to #2 PH 1, 2, 3 platform heaters	6/87
14949	Santa Fe Springs, CA Repair to Co Boiler	12-15-87
15078	Santa Fe Springs, CA Repairs to HYE 3 Unit	5-20-88
15087	Santa Fe Springs, CA Rebrick two doors in #2 SRU reaction furnace	6-1-88

POZZO CONSTRUCTION COMPANY

Long Beach

7419 St. Marys Hospital

Repairs damaged package boiler. 11/72

POZZOLAN PRODUCTS INC (Casmalia, Calif.)

5859 Casmalia, Cal. 8-26-69
Install Lining in one fluidized bed reactor

6055 Horton Process Divn .12/69
Chicago Bridge and Iron
Oakbrook, Illinois
Supply and install firebrick lining for miscellaneous ducts.

A Labor + Matl Misc repair work above

B Reactor orifice plate

PHILADELPHIA QUARTZ COMP NY (Continued)

4347 Los Angeles
Necessary repairs to melting furnace

4503 Los Angeles
Install new arch in silicate furnace

4511 South Gate
Repair curtain wall on anhydrous furnace

(A) Same as above

4613 Los Angeles
Repair melting furnace

4798 South Gate
Repair anhydrous furnace

4909 South Gate
Repair Anhydrous Furnace

(A) Patch hole in roof of above furnace

4979 South Gate
Repair Anhydrous furnace

5004 South Gate
Repair silica furnace

5020 South Gate
Remodel and repair anahyrdous silicate furnace

PHILADELPHIA QUARTZ COMPANY

2532 - See C. C. Moore & Co. Engineers
One (1) 440 h.p. B. & W. Marine Boiler

2544 - South Gate - One (1) Sodium Silicate Furnace, Flues and Stack

3780 - B. & W. Marine Boiler Setting

4742 - South Gate - Rebrick Checker Chamber Sodium Silicate Furnace

4756 - South Gate - Firebox Alteration - Shipping Board Boiler

5704 - South Gate - Brick Settings for Two (2) B. & W. Class H-3 No. 17 Boilers

8008 - See Christensen & lyons
South Gate
One Furnace and Recuperator
(A) - To Install Insulation in Windbox
(B) - Red Brick & Mortar for Furnace & Recuperator
(C) - Repacking Expansion Joints in Furnace Roof

1009 - See C. C. Moore & Co. Engineers
South Gate - Repair Filter Baffles in B&W Class H Boiler

2338 - South Gate - Repairs to Melting Furnace

2804 - South Gate - Repairs to Sodium Silicate Tank

4178 South Gate
Necessary repairs to melting furnace
LABOR ONLY

PHILADELPHIA QUARTZ CO (SOUTH GATE, CA.)

(continued...)

6278	Repair Anhydrous furnace	6/70
6310 6310A	Repair Silicate furnace Repair Anhydrous furnace	6/70
6395	Repair Anhydrous furnace	9/70
6527	Repair Silicate furnace	12/70
6781	Repairs to Silica Furnace	7/71
7012	Repair Silicate Furnace	1/72
7222	Repairs to Silica Furnace	
7421	Necessary repairs to # 1 boiler.	11/72
7559	Repairs to Silica Furnace Labor only.	2/73
"A"	Drill hole in stack	
7638	Drill hole in stack	4/73
7862	South Gate Necessary repairs to silicate furnace	9/73
8095	South Gate Repairs to the silica furnace	2/74
8421	Repairs to silica furnace	8/74
8631	Nec repairs to Silicate Furnace	1/75
8918	South Gate Repairs to Silicate Furnace	7/75

PHILADELPHIA QUARTZ CO (Continued)
(SOUTH GATE, CALIF.)

5034	Repair anhydrous furnace	
5175	Repair anhydrous furnace	5/68
5233	Repair silicate furnace	6/68
5467	Labor and equip to open checkers on anhydrous furnace	12/68
5467A	Labor and equip to open checkers	1/69
5467B	Labor and equip to repair anhydrous furnace recuperator tubes	3/69
5661	Repair anhydrous furnace	4/69
5738	Repair silicate furnace	6/69
5796	Repair anhydrous furnace	7/69
5796A	Additional repairs anhydrous furnace	
5872	Repair Anhydrous furnace	9/69
5896	Repair Anhydrous furnace	9/69
5923	Repair Anhydrous furnace	10/69
5962	Repair checker in Dryer Heater of B+W Boiler	10/69
5979	Repair Anhydrous furnace	11/69
5979A	Drill hole in roof of arch	
6083	Repair Silica melting furnace	1/70
6027	Repair Anhydrous furnace	12/69
6075	Repair Anhydrous furnace	12/69
6190	Repair Anhydrous furnace	4/70

PQ INC

11226	Repairs to silicate furnace	10/79
11381 A)	Repairs to silicate furnace Extra work	1/80
11544	Hot patch repair silicate furnace	4/80
11545	Repairs to B&W Dryer	4/80
11622	Repairs to silicate furnace	6/80
11326	Repairs to B&W boiler	6/80
11661	Repairs to anhydrous boiler	7/80
11714	Repairs to draw silicate furnace	8/80

PQ INC (South Gate)

9-83	Repairs to silica furnace	12/75
9303	Repairs to silicate furnace	6/76
9443	Repairs to silicate furnace	9/76
9563	Repairs to Eclipse	12/76
9602	Repairs to silica tank	1/77
9774	Repairs to silicate furnace	5/77
9968	Repairs to silicate furnace	9/77
10027	Repairs to B&W air heater	10/77
10183 A)	Repairs to silicate furnace Repair red brick outside of bldg.	1/78
10223	Repairs to anhydrous dryer	2/78
10450	Clean out checkers	7/78
10516	Drill two 3" holes in stack	8/78
10750	Repairs to dryer	12/78
10755	Repairs to silicate furnace	1/79
11055	Line burner pipe	7/79
11053	Repairs to boiler	7/79

P Q CORPORATION

12441	South Gate, CA Repairs to Webco boiler	11/81
12469	South Gate, CA Repairs to silicate furnace	12/81
A	Draw	
12605	South Gate, CA Rebrick draw spout	3/82
12629	South Gate, CA Hot repair to silicate furnace	4/82
12687	South Gate, CA Repairs to silicate furnace	6/82
12797	South Gate, CA Repairs to silicate furnace	9/82
12893	South Gate, CA Repairs to silicate furnace	12/82
13054	South Gate, CA Repairs to silicate furnace	5/83
13201	MILCO Nec. repairs to air heater	10/83
13268	South Gate, CA Necessary repairs to silicate furnace	12/2

P Q CORPORATION

11750	South Gate Repair anhydrous boiler	8/80
11824	South Gate Repairs to draw furnace	10/80
11785	South Gate Repairs to draw of silicate furnace	9/80
11894	South Gate Repairs to silicate furnace	12/80
12146	South Gate Necessary repairsto silicate furnace	4/81
12152	South Gate Necessary repairs to boiler	5/81
12207	South Gate Repairs to silicate furnace	6/81
A	Furnish extra material	
12324	South Gate, CA To repair silicate furnace	8/81
A	Insulation	
B	Thermocouple blocks	
C	Inventory count - labor only	10/81
D	Replace 2 port neck wall	10/81

PQ INC

14479	Repairs to silicate furnace	10/86
14573	Hot work on silicate furnace	1/87
14992	South Gate, CA Repairs to S port arch	2-5-88
15010	South Gate, CA Hot repair	2-26-88
15065	South Gate, CA Repairs to Silicate Furnace	5-2-88

PQ CORPORATION

13415	South Gate, CA Repairs to Silicate Furnace	3/84
13581	South Gate, CA Repair Silicate Furnace	8/84
13715	South Gate Ca Repairs to Silicate Furnace	11-84
13755	South Gate Ca Repair Dryer	12-84
13789	South Gate, Ca Repair combustion chamber in air dryer	1/85
A	Additional repairs	1/85
13840	South Gate, CA Hot repair to silicate furnace	2/85
13889	So, Gate Repairs to Silicate Furnace	4-85
13909	South Gate Port Neck Replacements	4-85
	A- Sketch Burner Block locations	
14034	South Gate Misc repair to Silicate furnace	8-85
14107	South Gate Labor & Material to rebuild Draw	10-85
	A- Misc repairs to silicate furnace	
14264	South Gate Repairs to silicate furnace	3-17-86

PRECISION HEAT TREATING CO.

7418 Montebello 11/72
Install refractory lining in two draw furnaces.

8242 Montebello 4/74
Line two Espen draw furnaces

8500 Montebello 10/74
Line Ipsen "T" Furnace

9342 Montebello - Reline 2 Ipsen Draw Furn. 7/76

13573 MontebelloCA
Rebuild Ipsen P7 #2 Furnace 7/84

13593 Montebello, CA 8/84
Install New Lining in Ispen Furnace

13631 Montebello CA 9-84
Labor only to Repair D-6 Draw Furnace

13632 Montebello CA 9-84
Labor and Material to Repair the T-9
Ipsen High Heat Furnace

13649 Montebello CA 10-84
Labor only to Reline D11 Draw Furnace

13695 Montebello Ca 11-84
Repair T8 Ipsen Furnace

13696 Montebello Ca 11-84
Repair #T7 Ipsen Furnace

PRECISION SPECIALITY METALS

13489	**Los Angeles, CA** **Supply and Install Nextel Curtains on two strip Anneling Furnaces**	5/84
13875	Los Angeles Design & Const. 1 recuperated 50 Ft long stainless steel strip annealing furnace	3-85
14065	Los Angeles Repair annealing furnace	9-85
14119	Los Angeles Evaporator cone	10-85
14184	Los Angeles Repair 36" Strip Anstling Furnace	12-19-85
14855	**Los Angles, CA** **Design & Construct 50' Strip Annealing Furnace**	9-30-87
14861	Los Angeles, CA **Repair Evaporator Cover**	10-6-87

PRECISION STAINLESS PRODUCTS

8728 Bell Gardens (Work done at Carson Yard) #/75
Repair the Furnace Hood Horn Press.

PRESS FORGE COMPANY

12721	Paramount, CA Furnish labor, material and engineering to modify tera engineering carbottom furnace	6/82 RPA
13400	Paramount CA 16'x20' Box Forge Furnace	3/84

PRICE-PFISTER BRASS MANUFACTURING CO.

8528 - Los Angeles - Labor only to Install Refractory in Core Oven

(A) - Labor only to Install Insulating Materials on Ducts and Fan for Core Oven

PRIDE PACKING COMPANY, INC.

8843 - Vernon - Brickwork Repairs to Locomotive Type Boiler

PRITCHARD PRODUCTS CORPORATION

2857 - General Chemical Company
El Segundo
Refractory Lining in Sulphur Recovery Plant

3433 SHELL CHEMICAL CO
Ventura
Install sulphur-free refractory lining in V-702 secondary reformer; secondary reformer outlet duct and breeching between primary reformer F-701; and waste heat boiler F-702.

(A) Supply and install litecrete-70

(B) Install brick in manhole

(C) Repair refractories caused by bulge

3734 Shell Chemical Co
Ventura
Furnish 17 cu. ft. 90% Alumina brick bats

3742 Shell Chemical Co
Ventura
Misc. insulation and refractory repairs to Selas furnace, Bros boiler, secondary reformer, etc.

7332 Atlantic Richfield, Carson
Design and construct waste gas incinerator and stack

7362 United Fabricators Co.
Santa Fe Springs
Refractory lining in one vessel. 9/72

J F PRITCHARD AND COMPANY

7545	ARCO Wilmington Repair Born Heater	2/73

PROCESS EQUIPMENT COMPANY

5392 - Pittsberg Chemical Company - Los Angeles
One (1) 250 h.p. Shipping Board Boiler
(A) - Rebuild Tile Wall of Old Boiler House at
Richfield Oil Corp. - Watson

5569 - Kern Food Products, Inc. - Los Angeles
Refractory and Insulation Enclosure
One (1) 250 h.p. Heine Shipping Board Boiler

5658 - El Tejon Oil & Refining Corp. - Bakersfield
Settings for Two (2) 250 h.p. Shipping Board Blrs.

PROCON

See: M. W. KELLOGG CO

6/26/84

PROCTER & GAMBLE MANUFACTURING COMPANY, THE

2521 - Long Beach - Three (3) 830 h.p. Class 22 #27 Stirling Boilers

2552 - Long Beach - Boiler Alterations

2776 - Boiler Repairs

2839 - #2 Boiler Repairs

2859 - #1 Boiler Repairs

2894 - Long Beach - Repair Work

2945 - Repairs to Boiler

2986 - Long Beach - Repairs to Boiler #1

3042 - Brickwork Repairs to #3 Boiler

3144 - See Foster Wheeler Corporation
Brickwork - Two (2) Dowtherm Boilers

3711 - Long Beach - Direct Gas Fired Heater

6275 - See The H. K. Ferguson Company, Inc.
Long Beach - To Install Refractory Linings in One (1) Air Heater Breeching and One (1) Peabody Air Heater
(A) - To Point up

6580 - Long Beach - Brickwork Repairs to One (1) B. & W. Stirling Boiler
(A) - To Replace First Pass Baffle in Boiler
(B) - Extra Work:- Cleaning Bricks, Unloading Car, etc.

(A) Material 6656 - Long Beach - Repairs to #2 Stirling Boiler
Extra- To Clean Refrac. Tile for Repr. to Furn--Blr. #2

6671 - See C. C. Moore & Co. Engineers
Long Beach - To Remove Present Bigelow-Liptak Suspended Wall Construction and to Install New Tube-and-Tile Walls for One (1) Class XXII #27 B. & W. Stirling Boiler Boiler No 3

6914 - Long Beach - To Repair Direct-Fired Air Heater

7536 - Long Beach - (1601 West 7th St.) - To Repair Granules Furnace Firebox

7745 - Long Beach - To Install Burners in Girdler Furnace

PROCTER & GAMBLE MANUFACTURING CO., THE (contd.)

7797 - Long Beach - To Repair #2 Boiler

7879 - Long Beach - Necessary Repairs to Girdler Reformer Furnace

7966 - Long Beach - To Furnish Labor only to Renew Bridge Wall in #1 Boiler
(A) - To Repair Interior of Furnace

8087 - Long Beach - To Renew Lower Section of Front Wall in Boiler #1

8168 - Long Beach - Necessary Repairs to Granules Furnace

8199 - Long Beach - Repair Boiler #2

8440 - Long Beach - Renew Side Walls on #1 Boiler

8504 - Long Beach - Brickwork Repairs to Furnace on 2nd Floor of Standard Tower Reform Furn
(A) - Brickwork Repairs to Furnace in Grannules Dept., 6th Floor, Bldg. 14
(B) - Repairs to Girdler Furnace

8878 - Long Beach - Repairs to Granules Power Furnace
(A) - Repair MSG Furnace
(B) - Repair Girdler Furnace

9220 - Long Beach - Install Refractories to Convert S.T.U. Stack and Breeching into an Odor Control Furnace

9252 - Long Beach - Labor Only to Repair Interior of Furnace in Bldg. 18 (MSG)
(A) - Labor Only to Repair Interior of Granules Furnace, 6th Fl. Finish Product Bldg.
(B) - Repair Girdler Furnace

9331 - Long Beach - Repairs to #2 Boiler

PROCTER & GAMBLE MANUFACTURING CO., THE (Cont'd)

1657 - Long Beach - Necessary repairs to #3 Boiler

2013 - Long Beach - Labor and Material to Repair Brickwork on S.T.U. Control Furnace.

(A) - Labor and material to repair Brickwork on Peabody Furnace

(B) - Repairs to Girdler Furnace

(C) - Repairs to Girdler Furnace

2196 - Long Beach - Necessary repairs to Girdler Furnace

(A) - Necessary repairs to Girdler Furnace

2356 - Long Beach - Repairs on #STU Odor Control Furnace

(A) - Repairs to Peabody Air Heater

(B) - Repairs to Girdler Furnace

2759 - Long Beach

Labor and material for repairs to Peabody Air Heater.

(A) - Labor & material to repair Granules Furnace

(B) - Repairs to Girdler Furnace

2845 - Long Beach

Repairs to Odor Heater

2993 - Long Beach

Necessary repairs to Odor Furnace

3006 - Long Beach

Necessary repairs to Girdler Furnace

3042 - Long Beach

Repairs to #2 Boiler

PROCTER & GAMBLE MANUFACTURING CO., THE

9360 - Long Beach - Install Burners Tile in Warming Tower
(A) - Replace Burner Tile in Warming Tower

9471 - Long Beach - Renew Two (2) Burner Tile on Granulus Furnace

9504 - Long Beach - Renew Two Burners in Absorbing Tower

(B) - Renew Burner Cones in #1 Boiler

9544 - Long Beach - Repairs to Granules Furnace

9647 - Long Beach - Furnish Labor, Equipment and Material necessary to Repair Brickwork on Air Heater
(A) - Repairs to Girder Furnace
(B) - Repairs to Odor Control Furnace
(C) - Repair Brickwork in Granules Hot Air Furnace

9739 - Long Beach - Repairs to Foster-Wheeler Boiler

9734 - See C. C. Moore & Co. Engineers
Long Beach - Labor and Material to Make Alteration to Brickwork & Insulation for One (1) B&W XX11 #27 Boiler

9827 - Long Beach - Labor & Material to Repair Burner Blocks on Control furnace
(A) - Labor & Material to Repair Burner Blocks on Odor Control Furnace

9989 - Long Beach - Repairs to Odor Control Furnace

1029 - Long Beach - Furnish Labor & Supervision to Replace Burner Block Warming Furnace
(A) = Labor & Supervision to Repair Granulus Furnace
(B) - Labor & Supervision to Repair Girdler Furnace

13'54- Long Beach - Necessary repairs to upper furnace #7MSG
(A) - Repair MSG Exhaust Air Furnace Burner Block & inspect & repair 2nd floor furnace
(B) - Necessary repairs to Girdler Furnace
(C) - Necessary repairs to Granular Furnace

1425 - Long Beach - Necessary repairs to #1 Boiler

PROCTER AND GAMBLE MFG CO (Long Beach)

4487	Repair Peabody furnace	
4514	Repair Odor Control Furnace	
4651	Renew refractory lining and metal baffles in granules furnace	
4700	Repair reformer furnace and Petrochem furnace	
4708	Repair #3 Boiler	
4745	Repair tower exhaust furnace	
4836	Repair #2 Boiler	
4956	Repair #1 Boiler	
5065	Repair brickwork in gas plant furnace	
5096	Repair tower of Peabody furnace	
5231	Repair gas plant reformer furnace	6/68
5286	Repair tower of Peabody furnace	7/68
5286A	Repair tower exhaust furnace	
5406	Repair #1 Boiler	
5543	Repair Peabody Air Heater	1/69
5543A	Repair Odor Control furnace	
5846	Repair Gas Plant	8/69
5874	Patch #3 Boiler	9/69
6015	Repair Odor Control Furnace	12/69
6039	Repair #2 Boiler	12/69
6070	Repair Odor Control Furnace	1/70

PROCTER AND GAMBLE MFG CO (LONG BEACH)

3065	Repair Odor Control Furnace and replace burner blocks
3152	Repair #1 Boiler
3156	Repair Reformer Furnace
3162	Repair Odor Control Furnace
3174	Repair Odor Control "Sky Heater" Furnace
3176	Repair Peabody STU Furnace
3271	Repair Odorm Control Furnace
3507	Repair Odor Control Furnace
3507A	Repair Odor Control Furnace
3507B	Labor and matl to renew burner block on exhaust stack
3577	Repair soap tower granules furnace
3577A	Repair Girdler Furnace
3599	Repair #2 Boiler
3622	Repair #3 Boiler
3674	Repair Odor Control Furnace
3799	Repair Peabody Air Heater
3942	Repair #3 Boiler
4103	Inspect and repair reformer furnace
4137	Repair #2 Boiler
4151	Repair tower of Peabody furnace.
4151A	Repair tower exhaust furnace

PROCTER AND GAMBLE MFG CO

7525	Long Beach Labor and material necessary to repair Peabody Furnace.	1/73
7543	Long Beach Repair Girdler Furnace.	2/73
7900	Long Beach Necessary repairs to Peabody Furnace	10/73
8072	Long Beach Repairs to #1 and #3 boilers	2/74
8077	Long Beach Repairs to reformer	2/74
8079	Long Beach Repair Peabody furnace	2/74
8168	Long Beach Repairs to #3 boiler	3/74
8691	**Long Beach** **Repairs to #1 Boiler**	**2/75**
8752	Long Beach Nec Repairs to Reformer	4/75
8758	Long Beach Nec Repairs to #2 Boiler	4/75
8816	Long Beach Nec Repairs to the Peabody Furnace	5/75
8866	Long Beach Repair Peabody Furnace	6/75

PROCTER AND GAMBLE MFG CO (Long Beach)

6350	#3 Boiler	8/70
6390	Repair Reformer Furnace	9/70
6491	Repair #3 Boiler	11/70
6541	Repair Peabody Air Heater	12/70
6554	Repair Peabody Furnace	1/71
6557	Repair Odor Control Furnace	1/71
6604	Repair Girdler Furnace	2/71
6628	Repair Granular Furnace	3/71
6958	Repair Peabody Furnace	11/18/71
6963	Repair #2 Boiler	11/22/71
6975	Repairs to Hydrogen	12/3/71
7046	Repair Brickwork in Gas Plant Reformer Furnace	1/72
7067	Repair Boilers 1, 2, and 3	2/72
7072	Repair Peabody Furnace	2/72
7096	Repairs to Granular Furnace	3/72
7284	Beabody furnance	7/20/72
7350	Long Beach Remove all brickwork and insulation and replace-#1 Boiler.	9/72

PROCTER AND GAMBLE MFG CO

10845 Long Beach - Nec. Repairs to gas plant reformer 3/79

10887 Long Beach - Repairs to #3 boiler at the boiler house 4/79

10888 Long Beach - Tide building 3rd floor floor tile work 4/79

11232 PALUMBO CONSTRUCTION 10/79
Long Beach
Repairs to winter oil room

A Clean up after explosion in winter oil room

11518 Long Beach 4/80
Nec. repairs to peabody heater

11524 Long Beach 4/80
Install acid brick lining in acid dilution sump RCN

12010 Long Beach 2/81
Necessary repairs to peabody furnace

~~12131~~ ~~PATHWAY BELLOWS/SHELL OIL CO~~
Carson Yard 4/81
Install lining in four expansion joint assemblies

12121 Long Beach 4/81
Repair #3 boiler

PROCTOR AND GAMBLE MFG CO

9173'	Long Beach Repair Reformer	2/76
9174	Repairs to #3 Boiler	2/76
9521	Long Beach Repairs to #3 Boiler	11/76
9652	Long Beach - Repairs to #3 Boiler	2/77
9765	Long Beach - Repairs to #1 Boiler	5/77
9847	Fruin-Colnon - Long Beach Nec Repairs to Peabody Furnace	7/77
"A"	Proctor & Gamble-Minor Repairs to Peabody Furn.	
9924	Long Beach - Install ½" Floor Tile	8/77
9946	Long Beach - Repairs to Gas Plant Reformer	8/77
10014	Paper Products Co - Oxnard Repair Two FM Type B&W Boilers	10/77
10201	Long Beach - Tile Material Repairs for Sulphuric Acid Plant	2/78
10202	Long Beach - Furnish Repairs to the Hydrogen Furnace	2/78
10461	Long Beach - Repairs to Peabody Furnace	8/78
10750	Long Beach - Nec. Repairs to Peabody Furnace	1/79
10793	Long Beach - Nec. Re pairs to Peabody Furnace	2/79

PROCTER & GAMBLE

14475	Long Beach Repairs to Peabody heater	10/86
14505	Long Beach Repairs to boiler	11/86

PROCTOR AND GAMBLE MFG CO

12201	Long Beach Repair floor tile in 3rd floor	6/81
A	Remove sight glass in stack	
12267	Long Beach, CA Repair peabody furnace	7/81
12560	Long Beach, CA Furnisb labor and material to repair MSG furnace	2/82
12639	Long Beach, CA Repairs to #3 boiler	4/82
12680	Long Beach, CA Repairs to peabody furnace	5/82
12862	OFCCO CONSTRUCTION Long Beach, CA Install lining in new Foster Wheeler boiler	11/82
12870	Long Beach, CA Repairs to peabody heater	11/82
13117	Install B30 ceramic lining in peabody furnace	7/83
13131	Install plastic in ash dump door	8/83
13255	Long Beach, CA Repair Foster Wheeler Boiler	11/21

PRODUCTION STEEL

9908 • Gardena 8/77
To Line 2 Access Doors

PRODUCTION STEEL CO. INC

2326 - Los Angeles
Labor and materials to install Carbon Lining in Rocket Diffuser

2359 - Los Angeles
Labor and materials to install Carbon Lining in Rocket Diffuser

7219 Shell Oil Company
Production Steel
Gardena
Install Refractories in Born Heater #21 6/72

7223 Thorpe Insulation Company
Production Steel
Wilmington Yard
Line one Incinerator Chamber 6/72

7546 Gardena 2/73
Line Plug with AA22.

7668 Gardena 5/73
Repair Doors- Carson Yard

7935 Gardena
Install castable in stack 10/30
"A" Reapirs to stack lining
(Condensation Ring) 10/30

8002 Gardena
Install AA22 in reactor riser extention for Texaco 12/13

9559 Gardena - Install Lining in Access Doors 12/76

PRODUCTOL CHEMICAL

(Chg of name see PONC SPEC. GROUP INC)
7-20-88

PROLER INTERNATIONAL

9824 Randolph, Arizona - Refractory Lining for Vessels & Ducts in Tin Recovery Plant 6/77

PRUDENTIAL INSURANCE COMPANY OF AMERICA, THE
PRUDENTIAL ~~INSURANCE~~ BUILDING
SQUARE

6538 - See Morse Boulger Destructor Co.
Los Angeles - To Repair Destructor
(A) - To Install Automatic Draft Adjuster in Breeching and to Renew Counterweight Cables

6766 - Los Angeles - To Repair Morse Boulger Destructor
(A) - To Repair Hearth Floor of Morse Boulger Incinerator

7245 - Los Angeles - To Repair Morse Boulger Destructor Fireboxes of Heating Blrs. #2,#3 & #4

7291 - Los Angeles - Repair Boilers #2, 3 & 4

7685 - Los Angeles - To Repair Morse-Boulger Incinerator

PRYOR GIGGEY

15104 Torrance, CA 6-21-88
Regunite #2 Remelt

PSF INDUSTRIES (SEATTLE, WASH.)

6393	Foster Wheeler Corp (Livingston, N.J.) Atlantic Richfield (Arco) (Cherry Point, Washington) Stack lining	Sept/70

PUBLIC BUILDINGS ADMINISTRATION

5694 - See Federal Works Agency
U. S. Post Office & Court House Building - L. A.
Alterations to Boiler Front of Boiler #1

PUBLIC SERVICE OF NEW MEXICO

13890 Waterflow NM
Acid brick repairs to 6
SO2 Absorber Cells 4-85

PULLMAN KELLOGG

10528 PATHWAY BELLOWS/CONTINENTAL OIL CO
Carson Yard - Install Refractory in 2
Expansion Joints 9/78

11579 PATHWAY BELLOWS/El Cajon 5/80
Install refractoyr lining in two RCN
expansion joints

11885 GRANO STEEL CORP/SHELL OIL
Wilmington, CA 11/80
Install refractory lining in RCN
final seperator catalyst drum

12029 ZURN INDUSTRIES ENERGY DIVN/
SHELL OIL CO/Carson 2/81
PULLMAN KELLOG RCN
Install refractory lining in two co boilers

12043 PATHWAY BELLOWS/SHELL OIL 2/81
El Cajon RCN
Install lining in two expansion joints

12131 PATHWAY BELLOWS/SHELL OIL COMPANY
Carson Yard
Install lining in four expansion 4/81
joint assemblies

12347 SHELL OIL/Carson 9/81
Install refractory lining in
field splices

A Additional work

B Overtime work

PULLMANN POWER PRODUCTS

13107	FLUOR CORP/UNION OIL Paramount, CA Install lining in duct section for FCC revamp	RFB 7/83

PURE OIL COMPANY, THE

6608 - See C. F. Braun & Co.
Worland, Wyoming
15 x 15 x 30 Fired Heater--Material only
(A) - Labor only for One (1) 15 x 15 x 30 Fired Heater
(B) - Labor only for Three (3) Erie City Iron Works
Type "VE" #28-26-18, 300 h.p. Boilers

PUREX CORPORATION

2687 - South Gate

Labor only to tear out and renew brickwork in Hot Gas Generator

PYRO POWER [illegible] CORPORATION

13570	San Diego, CA Refractory Anchors	7/84
13895	Colton Line tube sheet in Air Heater	4-85
13991	San Diego Colton Pour new floor in bed boiler A- Additional Repairs	6-85
14047	Colton Repairs to Pyro Power fluid bed boiler	8-85
14079	San Diego Cal Mat Colton Repairs to fluid bed boiler A- Repairs to North Cyclone Inlet	9-85
14261	Cal Mat Colton Repairs to Pyropower Boiler	3-14-86
14785	Pontiac, Michigan Repairs to Ash Cooler and Loop Seal Wear Pad	7-23-87
14897	Nucla, CO Repairs to Ash Coolers on Fluid Bed Boiler	11-6-87
15021	Pontiac, Michigan Loopseal brickwork repairs	3-10-88
15036	UCLA, CO Repair Pyro Power Boiler	3-30-88

PQ CORPORATION

13415 South Gate, CA
Repairs to Silicate Furnace 3/84

13581 South Gate, CA
Repair Silicate Furnace 8/84

13715 South Gate Ca
Repairs to Silicate Furnace 11-84

13755 South Gate Ca
Repair Dryer 12-84

13789 South Gate, Ca
Repair combustion chamber
in air dryer 1/85

A Additional repairs 1/85

13840 South Gate, CA
Hot Repairs to silicate furnace 2/85

13889 So, Gate
Repairs to Silicate Furnace 4-85

13909 South Gate
Port Neck Replacements 4-85

A- Sketch Burner Block
locations

14034 South Gate
Misc repair to Silicate
furnace 8-85

14107 South Gate
Labor & Material to rebuild
Draw 10-85

A- Misc repairs to silicate
furnace

14264 South Gate
Repairs to silicate furnace 3-17-86

PRECISION HEAT TREATING CO.

7418 Montebello 11/72
Install refractory lining in two draw furnaces.

8242 Montebello 4/74
Line two Espen draw furnaces

8500 Montebello 10/74
Line Ipsen "T" Furnace

9342 Montebello - Reline 2 Ipsen Draw Furn. 7/76

13573 MontebellgCA
Rebuild Ipsen P7 #2 Furnace 7/84

13593 Montebello, CA 8/84
Install New Lining in Ispen Furnace

13631 Montebello CA 9-84
Labor only to Repair D-6 Draw Furnace.

13632 Montebello CA 9-84
Labor and Material to Repair the T-9
Ipsen High Heat Furnace

13649 Montebello CA 10-84
Labor only to Reline D11 Draw Furnace

13695 Montebello Ca 11-84
Repair T8 Ipsen Furnace

13696 Montebello Ca 11-84
Repair #T7 Ipsen Furnace

PRECISION SPECIALITY METALS

13489	**Los Angeles, CA** **Supply and Install Nextel Curtains on two strip Anneling Furnaces**	5/84
13875	Los Angeles Design & Const. 1 recuperated 50 Ft long stainless steel strip annealing furnace	3-85
14065	Los Angeles Repair annealing furnace	9-85
14119	Los Angeles Evaporator cone	10-85
14184	Los Angeles Repair 36" Strip Anstling Furnace	12-19-85
14855	**Los Angles, CA** **Design & Construct 50' Strip Annealing Furnace**	**9-30-87**
14861	Los Angeles, CA **Repair Evaporator Cover**	**10-6-87**

PRECISION STAINLESS PRODUCTS

8728 Bell Gardens (Work done at Carson Yard) #/75
Repair the Furnace Hood Horn Press.

PRESS FORGE COMPANY

12721	Paramount, CA Furnish labor, material and engineering to modify tera engineering carbottom furnace	6/82 RPA
13400	Paramount CA 16'x20' Box Forge Furnace	3/84

PRICE-PFISTER BRASS MANUFACTURING CO.

8528 - Los Angeles - Labor only to Install Refractory in Core Oven

(A) - Labor only to Install Insulating Materials on Ducts and Fan for Core Oven

NO. 661-11R U.S.A.

PRIDE PACKING COMPANY, INC.

8843 - Vernon - Brickwork Repairs to Locomotive Type Boiler

PRITCHARD PRODUCTS CORPORATION

2857 - General Chemical Company
El Segundo
Refractory Lining in Sulphur Recovery Plant

3433 SHELL CHEMICAL CO
Ventura
Install sulphur-free refractory lining in V-702 secondary reformer; secondary reformer outlet duct and breeching between primary reformer F-701; and waste heat boiler F-702.

(A) Supply and install litecrete-70

(B) Install brick in manhole

(C) Repair refractories caused by bulge

3734 Shell Chemical Co
Ventura
Furnish 17 cu. ft. 90% Alumina brick bats

3742 Shell Chemical Co
Ventura
Misc. insulation and refractory repairs to Selas furnace, Bros boiler, secondary reformer, etc.

7332 Atlantic Richfield, CArson
Design and construct waste gas incinerator and stack

7362 United Fabricators Co.
Santa Fe Springs
Refractory lining in one vessel. 9/72

J F PRITCHARD AND COMPANY

7545	ARCO Wilmington Repair Born Heater	2/73

PROCESS EQUIPMENT COMPANY

5392 - Pittsberg Chemical Company - Los Angeles
One (1) 250 h.p. Shipping Board Boiler
(A) - Rebuild Tile Wall of Old Boiler House at
Richfield Oil Corp. - Watson

5569 - Kern Food Products, Inc. - Los Angeles
Refractory and Insulation Enclosure
One (1) 250 h.p. Heine Shipping Board Boiler

5658 - El Tejon Oil & Refining Corp. - Bakersfield
Settings for Two (2) 250 h.p. Shipping Board Blrs.

PROCON

See: M. W. KELLOGG CO

6/26/84

PROCTER & GAMBLE MANUFACTURING CO., THE (contd.)

7797 - Long Beach - To Repair #2 Boiler

7879 - Long Beach - Necessary Repairs to Girdler Reformer Furnace

7966 - Long Beach - To Furnish Labor only to Renew Bridge Wall in #1 Boiler
(A) - To Repair Interior of Furnace

8087 - Long Beach - To Renew Lower Section of Front Wall in Boiler #1

8168 - Long Beach - Necessary Repairs to Granules Furnace

8199 - Long Beach - Repair Boiler #2

8440 - Long Beach - Renew Side Walls on #1 Boiler

8504 - Long Beach - Brickwork Repairs to Furnace on 2nd Floor of Standard Tower Reaboiler Furnace
(A) - Brickwork Repairs to Furnace in Grannules Dept., 6th Floor, Bldg. 14
(B) - Repairs to Girdler Furnace

8878 - Long Beach - Repairs to Granules Power Furnace
(A) - Repair MSG Furnace
(B) - Repair Girdler Furnace

9220 - Long Beach - Install Refractories to Convert S.T.U. Stack and Breeching into an Odor Control Furnace

9252 - Long Beach - Labor Only to Repair Interior of Furnace in Bldg. 18 (MSG)
(A) - Labor Only to Repair Interior of Granules Furnace, 6th Fl. Finish Product Bldg.
(B) - Repair Girdler Furnace

9331 - Long Beach - Repairs to #2 Boiler

PROCTER & GAMBLE MANUFACTURING COMPANY, THE

2521 - Long Beach - Three (3) 830 h.p. Class 22 #27 Stirling Boilers

2552 - Long Beach - Boiler Alterations

2776 - Boiler Repairs

2839 - #2 Boiler Repairs

2859 - #1 Boiler Repairs

2894 - Long Beach - Repair Work

2945 - Repairs to Boiler

2986 - Long Beach - Repairs to Boiler #1

3042 - Brickwork Repairs to #3 Boiler

3144 - See Foster Wheeler Corporation
Brickwork - Two (2) Dowtherm Boilers

3711 - Long Beach - Direct Gas Fired Heater

6275 - See The H. K. Ferguson Company, Inc.
Long Beach - To Install Refractory Linings in One (1) Air Heater Breeching and One (1) Peabody Air Heater
(A) - To Point up

6580 - Long Beach - Brickwork Repairs to One (1) B. & W. Stirling Boiler
(A) - To Replace First Pass Baffle in Boiler
(B) - Extra Work:- Cleaning Bricks, Unloading Car, etc.

(A) Material 6656 - Long Beach - Repairs to #2 Stirling Boiler
Extra- To Clean Refrac. Tile for Repr. to Furn.--Blr. #2

6671 - See C. C. Moore & Co. Engineers
Long Beach - To Remove Present Bigelow-Liptak Suspended Wall Construction and to Install New Tube-and-Tile Walls for One (1) Class XXII #27 B. & W. Stirling Boiler Boiler No. 3

6914 - Long Beach - To Repair Direct-Fired Air Heater

7536 - Long Beach - (1601 West 7th St.) - To Repair Granules Furnace Firebox

7745 - Long Beach - To Install Burners in Girdler Furnace

(cont'd)

PROCTER & GAMBLE MANUFACTURING CO., THE (Cont'd)

1657 - Long Beach - Necessary repairs to #3 Boiler

2013 - Long Beach - Labor and Material to Repair Brickwork on S.T.U. Control Furnace.

(A) - Labor and material to repair Brickwork on Peabody Furnace

(B) - Repairs to Girdler Furnace

(C) - Repairs to Girdler Furnace

2196 - Long Beach - Necessary repairs to Girdler Furnace

(A) - Necessary repairs to Girdler Furnace

2356 - Long Beach - Repairs on #STU Odor Control Furnace

(A) - Repairs to Peabody Air Heater

(B) - Repairs to Girdler Furnace

2759 - Long Beach

Labor and material for repairs to Peabody Air Heater.

(A) - Labor & material to repair Granules Furnace

(B) - Repairs to Girdler Furnace

2845 - Long Beach

Repairs to Odor Heater

2993 - Long Beach

Necessary repairs to Odor Furnace

3006 - Long Beach

Necessary repairs to Girdler Furnace

3042 - Long Beach

Repairs to #2 Boiler

PROCTER & GAMBLE MANUFACTURING CO., THE

9360 - Long Beach - Install Burners Tile in Warming Tower
(A) - Replace Burner Tile in Warming Tower

9471 - Long Beach - Renew Two (2) Burner Tile on Granulus Furnace

9504 - Long Beach - Renew Two Burners in Absorbing Tower

(B) - Renew Burner Cones in #1 Boiler

9544 - Long Beach - Repairs to Granules Furnace

9647 - Long Beach - Furnish Labor, Equipment and Material necessary to Repair Brickwork on Air Heater
(A) - Repairs to Girder Furnace.
(B) - Repairs to Odor Control Furnace
(C) - Repair Brickwork in Granules Hot Air Furnace

9739 - Long Beach - Repairs to Foster-Wheeler Boiler

9734 - See C. C. Moore & Co. Engineers
Long Beach - Labor and Material to Make Alteration to Brickwork & Insulation for One (1) B&W XX11 #27 Boiler

9827 - Long Beach - Labor & Material to Repair Burner Blocks on Control furnace
(A) - Labor & Material to Repair Burner Blocks on Odor Control Furnace

9989 - Long Beach - Repairs to Odor Control Furnace

1029 - Long Beach - Furnish Labor & Supervision to Replace Burner Block Warming Furnace
(A) = Labor & Supervision to Repair Granulus Furnace
(B) - Labor & Supervision to Repair Girdler Furnace

13'54- Long Beach - Necessary repairs to upper furnace #7MSG
(A) - Repair MSG Exhaust Air Furnace Burner Block & inspect & repair 2nd floor furnace
(B) - Necessary repairs to Girdler Furnace
(C) - Necessary repairs to Granular Furnace

1425 - Long Beach - Necessary repairs to #1 Boiler

PROCTER AND GAMBLE MFG CO (Long Beach)

4487	Repair Peabody furnace	
4514	Repair Odor Control Furnace	
4651	Renew refractory lining and metal baffles in granules furnace	
4700	Repair reformer furnace and Petrochem furnace	
4708	Repair #3 Boiler	
4745	Repair tower exhaust furnace	
4836	Repair #2 Boiler	
4956	Repair #1 Boiler	
5065	Repair brickwork in gas plant furnace	
5096	Repair tower of Peabody furnace	
5231	Repair gas plant reformer furnace	6/68
5286	Repair tower of Peabody furnace	7/68
5286A	Repair tower exhaust furnace	
5406	Repair #1 Boiler	
5543	Repair Peabody Air Heater	1/69
5543A	Repair Odor Control furnace	
5846	Repair Gas Plant	8/69
5874	Patch #3 Boiler	9/69
6015	Repair Odor Control Furnace	12/69
6039	Repair #2 Boiler	12/69
6070	Repair Odor Control Furnace	1/70

PROCTER AND GAMBLE MFG CO (LONG BEACH)

3065	Repair Odor Control Furnace and replace burner blocks
3152	Repair #1 Boiler
3156	Repair Reformer Furnace
3162	Repair Odor Control Furnace
3174	Repair Odor Control "Sky Heater" Furnace
3176	Repair Peabody STU Furnace
3271	Repair Odor Control Furnace
3507	Repair Odor Control Furnace
3507A	Repair Odor Control Furnace
3507B	Labor and matl to renew burner block on exhaust stack
3577	Repair soap tower granules furnace
3577A	Repair Girdler Furnace
3599	Repair #2 Boiler
3622	Repair #3 Boiler
3674	Repair Odor Control Furnace
3799	Repair Peabody Air Heater
3942	Repair #3 Boiler
4103	Inspect and repair reformer furnace
4137	Repair #2 Boiler
4151	Repair tower of Peabody furnace.
4151A	Repair tower exhaust furnace

PROCTER AND GAMBLE MFG CO

7525	Long Beach Labor and material necessary to repair Peabody Furnace.	1/73
7543	Long Beach Repair Girdler Furnace.	2/73
7900	Long Beach Necessary repairs to Peabody Furnace	10/73
8072	Long Beach Repairs to #1 and #3 boilers	2/74
8077	Long Beach Repairs to reformer	2/74
8079	Long Beach Repair Peabody furnace	2/74
8168	Long Beach Repairs to #3 boiler	3/74
8691	**Long Beach** **Repairs to #1 Boiler**	**2/75**
8752	Long Beach Nec Repairs to Reformer	4/75
8758	Long Beach Nec Repairs to #2 Boiler	4/75
8816	Long Beach Nec Repairs to the Peabody Furnace	5/75
8866	Long Beach Repair Peabody Furnace	6/75

PROCTER AND GAMBLE MFG CO (Long Beach)

6350	#3 Boiler	8/70
6390	Repair Reformer Furnace	9/70
6491	Repair #3 Boiler	11/70
6541	Repair Peabody Air Heater	12/70
6554	Repair Peabody Furnace	1/71
6557	Repair Odor Control Furnace	1/71
6604	Repair Girdler Furnace	2/71
6628	Repair Granular Furnace	3/71
6958	Repair Peabody Furnace	11/18/71
6963	Repair #2 Boiler	11/22/71
6975	Repairs to Hydrogen	12/3/71
7046	Repair Brickwork in Gas Plant Reformer Furnace	1/72
7067	Repair Boilers 1, 2, and 3	2/72
7072	Repair Peabody Furnace	2/72
7096	Repairs to Granular Furnace	3/72
7284	Beabody furnance	7/20/72
7350	Long Beach Remove all brickwork and insulation and replace-#1 Boiler.	9/72

PROCTER AND GAMBLE MFG CO

10845 Long Beach - Nec. Repairs to gas plant reformer 3/79

10887 Long Beach - Repairs to #3 boiler at the boiler house 4/79

10888 Long Beach - Tide building 3rd floor floor tile work 4/79

11232 PALUMBO CONSTRUCTION 10/79
Long Beach
Repairs to winter oil room

A Clean up after explosion in winter oil room

11518 Long Beach 4/80
Nec. repairs to peabody heater

11524 Long Beach 4/80
Install acid brick lining in acid dilution sump RCN

12010 Long Beach 2/81
Necessary repairs to peabody furnace

~~12131~~ PATHWAY BELLOWS/SHELL OIL CO
Carson Yard 4/81
Install lining in four expansion joint assemblies

12121 Long Beach 4/81
Repair #3 boiler

PROCTOR AND GAMBLE MFG CO

9173'	Long Beach Repair Reformer	2/76
9174	Repairs to #3 Boiler	2/76
9521	Long Beach Repairs to #3 Boiler	11/76
9652	Long Beach - Repairs to #3 Boiler	2/77
9765	Long Beach - Repairs to #1 Boiler	5/77
9847	Fruin-Colnon - Long Beach Nec Repairs to Peabody Furnace	7/77
"A"	Proctor & Gamble-Minor Repairs to Peabody Furn.	
9924	Long Beach - Install ½" Floor Tile	8/77
9946	Long Beach - Repairs to Gas Plant Reformer	8/77
10014	Paper Products Co - Oxnard Repair Two FM Type B&W Boilers	10/77
10201	Long Beach - Tile Material Repairs for Sulphuric Acid Plant	2/78
10202	Long Beach - Furnish Repairs to the Hydrogen Furnace	2/78
10461	Long Beach - Repairs to Peabody Furnace	8/78
10750	Long Beach - Nec. Repairs to Peabody Furnace	1/79
10793	Long Beach - Nec. Re pairs to Peabody Furnace	2/79

PROCTER & GAMBLE

14475	Long Beach Repairs to Peabody heater	10/86
14505	Long Beach Repairs to boiler	11/86

PROCTOR AND GAMBLE MFG CO

12201	Long Beach Repair floor tile in 3rd floor	6/81
A	Remove sight glass in stack	
12267	Long Beach, CA Repair peabody furnace	7/81
12560	Long Beach, CA Furnisb labor and material to repair MSG furnace	2/82
12639	Long Beach, CA Repairs to #3 boiler	4/82
12680	Long Beach, CA Repairs to peabody furnace	5/82
12862	OFCCO CONSTRUCTION Long Beach, CA Install lining in new Foster Wheeler boiler	11/82
12870	Long Beach, CA Repairs to peabody heater	11/82
13117	Install B30 ceramic lining in peabody furnace	7/83
13131	Install plastic in ash dump door	8/83
13255	Long Beach, CA Repair Foster Wheeler Boiler	11/21

PRODUCTION STEEL

9908 · Gardena 8/77
To Line 2 Access Doors

PRODUCTION STEEL CO. INC

2326 - Los Angeles
Labor and materials to install Carbon Lining in Rocket Diffuser

2359 - Los Angeles
Labor and materials to install Carbon Lining in Rocket Diffuser

7219 Shell Oil Company
Production Steel
Gardena
Install Refractories in Born Heater #21 6/72

7223 Thorpe Insulation Company
Production Steel
Wilmington Yard
Line one Incinerator Chamber 6/72

7546 Gardena 2/73
Line Plug with AA22.

7668 Gardena 5/73
Repair Doors- Carson Yard

7935 Gardena
Install castable in stack 10/30
"A" Reapirs to stack lining
(Condensation Ring) 10/30

8002 Gardena
Install AA22 in reactor riser extention for Texaco 12/13

9559 Gardena - Install Lining in Access Doors 12/76

PRODUCTOL CHEMICAL

(Chg of name see PONC SPEC. GROUP INC)
7-20-88

PROLER INTERNATIONAL

9824 Randolph, Arizona - Refractory Lining 6/77
for Vessels & Ducts in Tin Recovery Plant

PRUDENTIAL INSURANCE COMPANY OF AMERICA, THE
PRUDENTIAL ~~INSURANCE~~ BUILDING
SQUARE

6538 - See Morse Boulger Destructor Co.
Los Angeles - To Repair Destructor
(A) - To Install Automatic Draft Adjuster in Breeching and to Renew Counterweight Cables

6766 - Los Angeles - To Repair Morse Boulger Destructor
(A) - To Repair Hearth Floor of Morse Boulger Incinerator

7245 - Los Angeles - To Repair Morse Boulger Destructor Fireboxes of Heating Blrs. #2,#3 & #4

7291 - Los Angeles - Repair Boilers #2, 3 & 4

7685 - Los Angeles - To Repair Morse-Boulger Incinerator

PRYOR GIGGEY

15104 Torrance, CA 6-21-88
Regunite #2 Remelt

PSF INDUSTRIES (SEATTLE, WASH.)

6393	Foster Wheeler Corp (Livingston, N.J.) Atlantic Richfield (Arco) (Cherry Point, Washington) Stack lining	Sept/70

PUBLIC BUILDINGS ADMINISTRATION

5694 - See Federal Works Agency
U. S. Post Office & Court House Building - L. A.
Alterations to Boiler Front of Boiler #1

PUBLIC SERVICE OF NEW MEXICO

13890 Waterflow NM
Acid brick repairs to 6
SO2 Absorber Cells 4-85

PULLMAN KELLOGG

10528 PATHWAY BELLOWS/CONTINENTAL OIL CO
Carson Yard - Install Refractory in 2
Expansion Joints 9/78

11579 PATHWAY BELLOWS/El Cajon 5/80
Install refractoyr lining in two RCN
expansion joints

11885 GRANO STEEL CORP/SHELL OIL
Wilmington, CA 11/80
Install refractory lining in RCN
final seperator catalyst drum

12029 ZURN INDUSTRIES ENERGY DIVN/
SHELL OIL CO/Carson 2/81
PULLMAN KELLOG RCN
Install refractory lining in two co boilers

12043 PATHWAY BELLOWS/SHELL OIL 2/81
El Cajon RCN
Install lining in two expansion joints

12131 PATHWAY BELLOWS/SHELL OIL COMPANY
Carson Yard
Install lining in four expansion 4/81
joint assemblies

12347 SHELL OIL/Carson 9/81
Install refractory lining in
field splices

A Additional work

B Overtime work

PULLMANN POWER PRODUCTS

13107	FLUOR CORP/UNION OIL Paramount, CA Install lining in duct section for FCC revamp	RFB 7/83

PURE OIL COMPANY, THE

6608 - See C. F. Braun & Co.
Worland, Wyoming
15 x 15 x 30 Fired Heater--Material only
(A) - Labor only for One (1) 15 x 15 x 30 Fired Heater
(B) - Labor only for Three (3) Erie City Iron Works
Type "VE" #28-26-18, 300 h.p. Boilers

PUREX CORPORATION

2687 - South Gate

Labor only to tear out and renew brickwork in Hot Gas Generator

PYRO POWER CORPORATION

13570	San Diego, CA Refractory Anchors	7/84
13895	Colton Line tube sheet in Air Heater	4-85
13991	San Diego Colton Pour new floor in bed boiler A- Additional Repairs	6-85
14047	Colton Repairs to Pyro Power fluid bed boiler	8-85
14079	San Diego Cal Mat Colton Repairs to fluid bed boiler A- Repairs to North Cyclone Inlet	9-85
14261	Cal Mat Colton Repairs to Pyropower Boiler	3-14-86
14785	Pontiac, Michigan Repairs to Ash Cooler and Loop Seal Wear Pad	7-23-87
14897	Nucla, CO Repairs to Ash Coolers on Fluid Bed Boiler	11-6-87
15021	Pontiac, Michigan Loopseal brickwork repairs	3-10-88
15036	UCLA, CO Repair Pyro Power Boiler	3-30-88

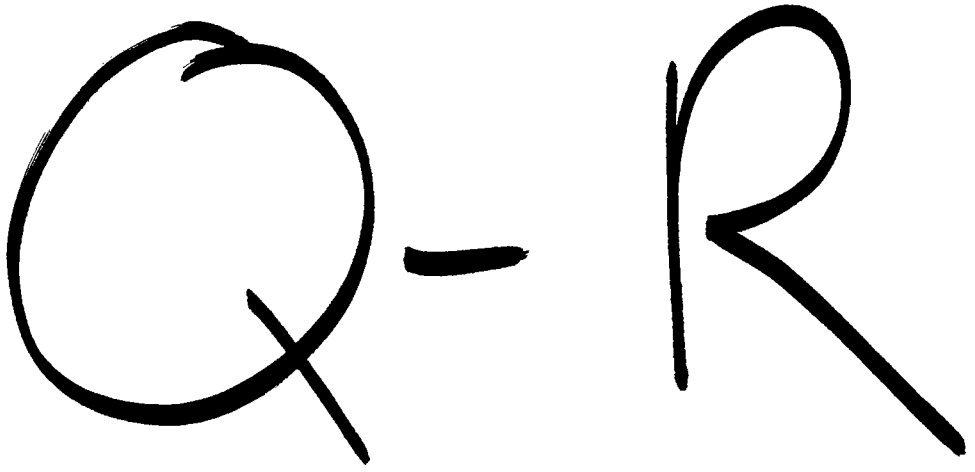
J.T. THORPE

JOB BOOKS

ALPHABETICAL

ORDER:

Q-R


Q-R

Q. R. S. NEON COMPANY

3843 - 25 h.p. Vertical Boiler

QUAKER OATS COMPANY (Continued)

4529	Wilmington Necessary repairs #2 boiler	
4702	Los Angeles Necessary repairs to B & W boiler & Warner furnace	
5758	Wilmington Repair Front Wall #1 Boiler	6/16/69
6396	Wilmington Repair baffle in #1 Boiler	9/70
6688	Wilmington Repair #2 Boiler	4/71
6724	E. Los Angeles Repairs to B + W Boiler	5/71

QUAKER OATS COMPANY

1090 See C. C. Moore & Co. Engineers
Los Angeles - Labor & Mat. to Reinsulate Rear Wall on FM Boiler
(A) Miscellaneous Repairs to Insulation on Drum Heads, Piping, etc.

1202 Los Angeles - Labor only to install lining in Burner Tunnel
(A) Labor & material to install lining in Burner Throat.

2054 - See C. C. Moore & Co. Engineers
Los Angeles - Install Burner Throat Tile in B & W FM Boiler

2331 - Los Angeles
Labor and material to repair Werner Furnace
(A) - Labor & material to install Hoppers under Wholewheat rollers Bldg #5

2599 - Los Angeles - Labor and material to repair Werner Furnace
(A) - Labor and material to repair a Wheat Roll

2983 - Los Angeles
Repairs to Masa Furnace

3177 Los Angeles
Necessary repairs to Masa Furnace and plant boiler.

3624 Los Angeles
Repairs to dryer furnace.

4092 Los Angeles
Necessary repairs to dryer furnace

QUALITY FOUNDRY

3092 - Los Angeles
Supply Combustion Equipment for Cupola Afterburner

Note: all work for [illegible] for "Pesa's"

QUALITY MACHINE & BOILER WORKS

6572 - Wilmington - S. S. "China Transport" -
To Repair Three (3) Superheater Doors
(A) - To Renew Deck, One (1) Superheater Door, and Patch Top Header

6594 - Wilmington - S. S. "American Transport" -
Port Boiler: To Furnish and Install approx. Ten (10) Tile Brick in after outboard Furnace Corner

6644 - Wilmington - S. S. "President McKinley"
To Tear out and Replace Back Wall and Patch Corbels
Extra- To Repair Deck

6699 - Wilmington - S. S. "Wm. Pilghman" -
To Renew approx. 16 sq. ft. of Deck and to Patch Burner Cones

6705 - Wilmington - S. S. "Thomas Cresat" -
Brickwork and Insulation Repairs to Port Boiler

6720 - Wilmington - S. S. "J. L. Luckenbach" -
To Insulate Superheater Supports with "Kastset"

6764 - Wilmington - S. S. "Thomas Cresap"
To Renew 20 sq. ft. Insulation on Side Walls of Boiler

6889 - Wilmington - S. S. "William Luckenbach"
To Tear out and Renew Floor in Port Boiler

6966 - Wilmington - S. S. "Joliet Victory" -
Repairs to Port Boiler

7115 - Wilmington - S. S. "Philippine Transport" -
Necessary Repairs to Boiler

7119 - Wilmington - S. S. "Tainoran" -
Necessary Repairs to Port Boiler

7122 - Wilmington - S. S. "George Luckenbach" -
Necessary Repairs to Boiler #2

7125 - Wilmington - S. S. "Binghamton Victory" -
Necessary Repairs to Boiler

7159 - Wilmington - S. S. "Pacific Bear" - Repair Boiler

NO. 801-11 R 1 - IP - U.S.A.

QUALITY MACHINE & BOILER WORKS ((Contd.)

7172 - Wilmington - S.S."Jacob Luckenback" - To renew insulation on tile between superheat doors

7173 - Terminal Island - Berth 230-A - S.S."China Transport" - Necessary repairs to front wall of Boiler

7188 - S.S."George Luckenback" - Renew Tile between Superheater doors

7215 - Wilmington - S. S. "J. L. Luckenbach" To Renew Deck and Burner Cones on Port Boiler

7242 - Wilmington - S. S. "American Transport" Necessary Repairs to Boiler

7256 - Wilmington - S. S. "Steel Apprentice" - To Repair Boiler

7316 - Wilmington - S. S. "CCNY Victory" - Repair Insulation on Side Wall Casing

7338 - Wilmington - S. S. "Steel Rover" Renew Corbel and Patch Burner Cones in one Boiler

7361 - Wilmington - S. S. "Matthew Luchenbach" Repair Port Boiler

7371 - Wilmington - S. S. "Pacific Bear" - Renew front wall and patch chrome ore in boiler

7376 - Wilmington - S. S. "F. J. Luckenbach" - Brickwork on Boiler

7386 - Wilmington - S. S. "Jacob Luckenbach" - Necessary repairs to Starboard Boiler

7413 - Wilmington - S. S. "Carroll Victory" Necessary Repairs to Port Boiler

7428 - Wilmington - S. S. "Alaska Bear" - To renew Insulation in Superheater Doors, and Side Wall Insulation

7432 - Wilmington - S.S. "Bolder Victory" - Neeessary Repairs to Boiler

QUALITY MACHINE & BOILER WORKS

7488 - Wilmington (246 N. Fried Ave.)
S. S. "China Transport" - Neeessary Repairs to Port Boiler

7531 - Wilmington (246 No. Fries Ave.)
S. S. "President Van Buren" - To Renew Insulation as Directed on Port Boiler

7543 - 246 N. Fries Ave. - Wilmington - Renew Front Wall & insulation in Side Wall of Port Boiler

7563 - Wilmington - S. S. "Gretna Victory" - Necessary Repairs

7593 - Wilmington - S. S. "China Transport" - Necessary Repairs to Front Wall

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7617 - Wilmington - S. S. "Hong Kong Victory" - Necessary Brickwork Repairs to Boiler

7607 - Wilmington - S. S. "Naucica" - Necessary Boiler Repairs

7642 - Wilmington - S. S. "Allen Segar" - Necessary Repairs to Boiler

7652 - Wilmington - S. S. "Rutgers Victory " To Rebrick Galley Range

7751 - Wilmington - S. S. "Oscar Straus" Necessary Repairs to Port Boiler

7769 - Wilmington - S. S. "Steel Seafarer" Necessary Repairs to Boiler

7784 - Wilmington - S. S. "Philippine Transport" To Renew Castables around Superheater Support Casting at Steam Drum

7801 - Wilmington - S. S. "Shinnecock Bay" Necessary Repairs to Port Boiler

7814 - Wilmington - S. S. "Hawaiian" - To Tear Out and Renew Chrome Ore on Studded Tubes; Renew Corbels on Front and Side Walls of Starboard Boiler

NO. 801-11R U.S.A.

QUALITY MACHINE & BOILER WORKS (Contd.)

7821 - Wilmington - S. S. "Oscar S. Straus" - To Renew Baffle Tile in Way of Tube Removal at Burner Cones and Side Wall in Starboard Boiler

7830 - Wilmington - S. S. "Pine Ridge" - To Repair Port Boiler

7898 - Long Beach - S. S. "Steel Age" - Necessary Repairs to Starboard Boiler

7912 - Wilmington - S. S. "Hong Kong Transport" Necessary Repairs to Starboard Boiler

7920 - Wilmington - S. S. "Allegheny Victory" To Renew Front Wall in Port Boiler

7923 - Wilmington - S. S. "Princeton Victory" Necessary Repairs to Port Boiler

7933 - Wilmington - S. S. "Philippine Victory" Necessary Repairs to Port Boiler

7956 - Job out in ocean - S. S. "Argovan" Necessary Brickwork Repairs to Boiler

7984 - Wilmington - S. S. "Japan Transport" Necessary Repairs to Port Boiler

8032 - Wilmington - S. S. "Ames Victory" Furnish Labor and Material to Renew Front Wall In Port Boiler

8086 - Wilmington - S. S. "President Madison" To Renew Brickwork in Floor of Port Boiler

8095 - Wilmington - "S. S. Philippine Transport" Neces. Repairs to Port and Starboard Boilers

8098 - Wilmington - S. S. "President McKinley" Neces. Repairs to Starboard Boiler

8109 - Wilmington - S. S. "~~Frederick~~ Stella Lykes" To Renew Brickwork & Chrome Ore Complete in Port Boiler

(contd.)

QUALITY MACHINE & BOILER WORKS (Contd.)

8131 - Wilmington - S. S. "Japan Transport"
Necessary Repairs to Starboard Boiler

8134 - Long Beach - S. S. "James Lick"
Necessary Repairs to Starboard Boiler

8154 - Wilmington - U. S. "W. X. Young" (APD-131)
To Renew Light-weight Castable and Insulation around Downcomer Tubes in Forward and After Boilers

8194 - Terminal Island - U.S.S. "Frybarger"
To Repair Boilers #1 and #2

8219 - Wilmington - S. S. "Pacific Transport"
Renew approx. 50sq.ft. of Sidewall Insulation on Starboard Boiler

8232 - Wilmington - S. S. "President Jefferson"
Necessary Repairs to Port Boiler

8245 - Terminal Island - S. S. "Oscar S. Straus"
Neces. Repairs to Starboard Boiler

8263 - Long Beach - S.S. "Philippine Bear"
To Repair Port Boiler

8287 - Wilmington - S. S. "Leontios"
Neces. Repairs to Starboard Boiler

8292 - Wilmington - S. S. "Pacific Transport"
Neces. Repairs to Upper Casing on Starboard Boiler

8295 - Wilmington - U.S.S. "Thomason"
Repairs to #1 and #2 Boilers

8315 - Wilmington - S. S. "Florence Luckenbach"
Renew Front Wall & Floor in Starboard Boiler

8332 - Wilmington - S.S. President Harding
Tear Out & Renew Corbels & Floor in Starboard Boiler

8365 - Long Beach - S.S. "Pacific Transport"
Brkwrk Repairs to Starboard Boiler

8427 - Wilmington - Repairs to Boilers #1 and #2
U.S.S. "Elmore"

(contd.)

QUALITY MACHINE & BOILER WORKS (Contd.)

8442 - Wilmington - S.S. "William Luckenbach"
Renew Section of Casing 4½ ft. x 10 ft.
in Port Boiler

8453 - Long Beach - S. S. "Philippine Transport"
Install Castable in Superheater Header and Support
Plate of Port Boiler

8473 - Wilmington - S. S. "Japan Transport" - Renew 3 lin.
ft. of Header at Top of Front Wall; Re-lay tile on
Floor of Economizer

8534 - Wilmington - S. S. "Canadian Mail"
Tear Out and Renew Front Wall in Port Boiler

8564 - Quality Machine & Boiler Works - Wilmington
Repairs to Brickwork in Boiler at Marine Base
in Barstow

8573 - Wilmington - S. S. "Stanathia K"
New Baffle Tile Complete and Patch Upper Casing
Insulation on Forward and After Sides of Port
Boiler

8604 - Wilmington - S. S. "Japan Transport"
Tear Out Floor and Corbels; Patch Top Headers;
and Point up Burner Cones; in Port Boiler

8622 - Wilmington - S. S. "Acritas"
Refractory Repairs to Port Boiler

8669 - Wilmington - S. S. "Philippine Transport"
Install Castable around Top Superheater Support
Plates and Rebrick Superheater Door in Starboard Blr.

8672 - Wilmington - S. S. "Mankato Victory"
Renew Upper Sidewall Casing on After Wall of Port
Boiler

8727 - Wilmington - S.S. "Quemado Lake"
Repairs to Starboard Boiler

8732 - El Segundo - Repair Seven (7) Butadiene
Reactors

QUALITY MACHINE & BOILER WORKS (CONTD.)

9186 - Wilmington - Derrick Barge No. 15
Rebrick Firebox in Boiler

9245 - Wilmington - S. S. "President Johnson"
Repairs to Port Boiler

9311 - Wilmington - U.S.S. Coast Guard Cutter "Heather"
Repairs to Port Boiler

9316 - Wilmington - S. S. "Old Colony Mariner"
Repairs to Port Boiler

9323 - Wilmington - U. S. Coast Guard Cutter
"Minnitonka" - Repairs to #1 Boiler

9364 - Long Beach - S. S. "Ocean Evelyn"
Re-insulate Two (2) Superheater Doors

9377 - Wilmington - S. S. "Alamo Victory"
Repairs to Starboard Boiler

9473 - Wilmington - U.S.C.G. "Heather"
Repairs to #2 Boiler

9484 - Wilmington - Casing Insulation Repairs
on Port Boiler

9489 - Wilmington - S. S. "Marshall"
Repair 3' X 3' Area in Port Boiler

9578 - Wilmington - S. S. "President Pierce
Repair Brickwork on Floor in Economizer in
Starboard Boiler

9612 - Wilmington - S. S. "Hoosier Mariner"
Repairs to Port Boiler

9613 - Wilmington - U.S.S. "Coast Guard Heather"
Repairs to #1 Boiler

9638 - Wilmington - S. S. "President Van Buren"
Repairs to Starboard Boiler

9733 - Wilmington - S. S. "Sunrip"
Repairs to Port Boiler

QUALITY MACHINE & BOILER WORKS (contd.)

8732 - Terminal Island - S. S. "Ocean Mail"
Repairs to Auxilliary Boiler

8759 - Terminal Island - S. S. "American Transport"
Repairs to Starboard Boiler

8760 - Terminal Island - S. S. "India Mail"
Renew Floor in Port Boiler and Front and Burner Cone in Starboard Boiler

8821 - Wilmington - S. S. "Japan Transport"
Renew Top Course of Splits, Patch Corbels in Starboard Boiler

8929 - Wilmington - S. S. "Sapho"
Repairs to Port Boiler

8948 - Terminal Island - S. S. "Nicholaos"
Labor and Material to Rebrick Front, Back & Side Walls of Starboard Boiler

8954 - Long Beach - S. S. "Longview Victory"
Repairs to Starboard Boiler

8956 - Wilmington - U.S.S. "Ponchartrain"
Renew Section of Floor in Way of Re-tubing #2 Starboard Boiler

9068 - Wilmington - Berth A5 - Long Beach
S. S. "California Bear" - Patch Boiler

9088 - Pacific Transport Lines - Berth A1, Long Beach
S. S. Pacific Transport" - Repairs to Port Boiler

9090 - Pier A8 - Long Beach - S. S. "Ocean Deborah"
Repairs to Port Boiler

9156 - Wilmington - S. S. Pacific Transport
Repairs to Port Boiler

9160 - Wilmington - S. S. "President Johnson"
Renew Castable Insulation on Mud Drum in Superheater Tubes

9180 - Wilmington - S. S. "Philippine Transport"
Repairs to Insulation on Port and Starboard Blrs.

(contd.)

QUALITY MACHINE & BOILER WORKS (CONTD.)

1072 Wilmington - S. S. "David E. Day"
Repairs to Two Boilers

1120 Wilmington - S. S. "Frank Morgan"
Repairs to Port & Starboard Boilers

1314 - Terminal Islant - SS "Atlantic Wave"
Repairs to Upper Casing Insulation Boiler

1544 - Wilmington - SS "Texas"
Necessary repairs to Starboard Boiler

QUALITY PACKING COMPANY

6847 Los Angeles
Rebrick Two Boilers 8/71

QUALITY STEEL CORP - San Diego

3394 Chula Vista
Supply materials for reheat furnace curtain wall

(A) Additional material for curtain wall
(B) Additional material for curtain wall

QUEEN OF ANGELS HOSPITAL

2643 - See C. C. Moore & Co. Engineers
One (1) Class V1 #16 Stirling Boiler

2749 - See C. C. Moore & Co. Engineers
Boiler Setting Repairs

3231 - Repairs to Stirling Boiler

3258 - See C. C. Moore & Co. Engineers
Class V1 #16 Stirling Boiler Brickwork

3307 - See C. C. Moore & Co. Engineers
Stirling Boiler Repairs

3606 - Boiler Repairs

3900 - Los Angeles
Boiler Brickwork Repairs

4248 - Repairs to #1 Stirling Boiler
(A) - Additional Repairs to #1 Stirling Boiler
(B) - Repairs to Fire Arches in #2 Stirling Boiler

5366 - Los Angeles - Brickwork Repairs to Firebox of
#2 Stirling Boiler

5547 - See Morse Boulger Destructor Co.
Los Angeles - Construct One (1) Destructor

6440 - Los Angeles - Repairs to Boiler #2

6465 - Los Angeles - Repairs to Morse Boulger Incinerato

6632 - Los Angeles - Boiler #1 - Brickwork Repairs

6672 - Los Angeles 26 - Repair Firebox in #2 Boiler

6879 - Los Angeles - Repair Upper Front Wall, Blr. #1
(A) - Repair Insulation on Breeching and Duct

7222 - Los Angeles - Brickwork Repairs to Boiler #1

7305 - Los Angeles - Repair Boiler #2

7514 - Los Angeles - Repair Baffle in #1 Boiler

7616 - Los Angeles - Miscellaneous Repairs to
Boiler #2

QUEEN OF ANGELS HOSPITAL (Continued)

7909 Los Angeles - Rebuild Burner Arches on Boiler #2

8158 - Los Angeles - Repair Brickwork in #2 Boiler Firebox

9667 - Los Angeles - Repairs to #2 Boiler

1067 - Los Angeles - Repairs to Brick Setting Boiler #1 caused by explosion (insurance claim)
(A) - Renew Burner Arches & Piers and Renew Firebrick Lining on Left Hand Side Wall where necessay on Boiler #1

2285 - Los Angeles - Brickwork repairs to Boiler #2

3545 LOs Angeles
Repairs to incinerator & afterburner

5768 Los Angeles 6-25
Repair Leahy burners in boiler #1

7776 Queen of Angels
Los Angeles
Repairs to sterling boiler 7/73

11670 Los Angeles 7/80
Repairs to B & W boiler

QUEMETCO, INC.

7334 City of Industry

Labor, equipment and supervision to repair the refractory lining in reverturatory lead lined furnance.

7481 City of Industry 12/72

Replace Tapout Block on revert Furnace.

RB & W

9340 Los Angeles 7/76
Replace Loose Quarry Tile

R & H CHEMICAL DEPARTMENT
E. I. DU PONT DE NEMOURS & COMPANY, INC.

2893 - El Monte - Insulating Lining in Aluminum Vessel

2936 - Lining Kettle

R C S ENGINEERING COMPANY

5701 - Stauffer Chemical Company - Torrance
Three (3) 85 h.p. Boiler Settings
(A) - Insulation of Two (2) 85 h.p. Oil Field Boilers
(B) - Insulation of Drums

5832 - Exeter Oil & Refining Co. - North Long Beach
To Install Refractories and Insulation -
One (1) 12-million B.t.u. Petro-Chem Oil Heater

5843 - Sun Harbor Packing Company - San Diego
Brickwork - Riley Boiler type "RO", Class "G"

5727-A - City of Pasadena
Repairs to Insulation damaged by RCS Eng. Co.

6664 - City of Los Angeles - San Pedro
Department of Water & Power
Three (3) Petro-Chem Heaters
(A) - Unloading Carload of Materials at Crail Transportation Co. Yard, 3500 Cherry Ave., Long Beach

R & R CHILLER & CONDENSER SERVICE

5555	No. American Rockwell Downey Necessary Repairs to Power Master Boiler Model 3 Gal.	1/30/69 W.O.
5715	Autonetics Corp ~~Downey~~ Anaheim Nec. repairs to boiler	5/26/69
5744	Autonetics Corp. Anaheim Repair power master boiler	6/11/69
5844	No. American Rockwell Downey Repair # 5 Air Conditioning Furnace	8-18-69

Pu

R&R QUEMETCO INC.

11098	CITY OF INDUSTRY Furnish Burner and Flame supervision system	8/79
11159	City of industty – Install pennguard block in four baghouse cells	9/79
11733	City of Industtry Supply burner and flame flame supervision control panel	8/80 RPA
11781	City of Industry Furnish and install refractory linin for 70Ton kettle	9/80 RCN
13084	Install invert arch lead reverb furnace	6/83
13128	City of Industry, CA Furnish labor only to install refractory in lead slag electric furnace	RCN 8/83
A	Extra material	RCN 10/83
13158	RELIANCE SHEET METAL City of Industry, CA Install lining in flue duct	RCN 8/83
13475	City of Industry, CA Flame Safeguard Panel and Pilot Systems	5/84
A–	Supply Block & Veal Valve to System	5/84

RSR QUEMETCO

14130	City of Industry Install new lining in electric slag cleaning furnace A- Tearout existing lining	11-8-85
14616	City of Industry Pennguard lining in Cell #2	2/87
14798	City of Industry, CA Penguard Lining in Baghouse Cell	8-6-87
14847	City of Industry, CA Install Lining in #2 Baghouse Cells	9-28-87
15118	City of Industry, CA Install Pennguard block lining in Baghouse cell	7-1-88

RADIO CORPORATION OF AMERICA,
RCA VICTOR DIVISION

4993 - See C. C. Moore & Co. Engineers
Hollywood - Brick Setting for One (1) Class H-2
#10 Stirling Boiler

7469 - Hollywood 38 - To Repair Firebox of B&W Class
H-2 No. 10 Boiler

9656 - See C. C. Moore & Co. Engineers
Los Angeles - Furnish Labor and Material to
Install One (1) FM9 #26 B&W Package Boiler

9876 - Hollywood - Labor and Material to Repair
Class H2 #10 Boiler

U.S. 801-11 R 4P U.S.A.

RAINBOW CANYON

10308	Fallbrook - Nec Repairs to 5000# Furnace	4/78
10748	Fallbrook - Repairs to #3 Furnace	1/79

RALSTON PURINA COMPANY

6981 - Brawley - To Repair Dehydrator Furnace

NO. 601-11 P ... IP ... U.S.A.

RAMAPO AJAX DIV. OF AMERICAN BRAKE SHOE CO.

8898 - Vernon - Brickwork Repairs to Upsetting Furnace

NO. 601-11R U.S.A.

RAMSEY ENGINEERING CO

9795 DOUGLAS OIL CO - Paramount 5/77
Fireproof Vessel Skirts

RAMTITE - Chicago, Illinois

·3360 BETHLEHEM PAC COAST STEEL
Vernon
Gunite to #9 and #10 pit

4242 Los Angeles
Gunite repairs at Southwest Steel Rolling Mills

RANSON & RANDOLPH COMPANY, THE

7934 - Los Angeles 22 (in County)
To Renew Ball Mill Lining

RAULINGS MECHANICAL

12981	NORTHRUP Gardena Repairs to air heater	3/83

13666	Ready Repairs/National Metals Terminal Island Install 4" Castable Lining in non Ferreous Dept Incinerator Door	10-84

RECONSTRUCTION FINANCE CORP., OFFICE OF RUBBER RESERVE

See Federal Facilities Corporation,
Office of Synthetic Rubber

REDLAND COMPANY

9302 Torrance 6/76
Repairs to Preheater

REDMAN EQUIPMENT & Mfg

3/78

10278 Torrance - Install Castable on Tubesheets

11263 Torrance 11/79
Install lining in exchanger head

11347 Torrance 1/80
Line coker head

11978 Torrance ~~X~~1/81
Necessary repairs to furnace

12023 Torrance 2/81
Install light weight castable in vibrator

12499 Torrance, CA 1/82
Repairs to mobil oil hydrogen unit 4ES

13188 Torrance, CA 9/83
Repairs to re-generator catalyst slide valve

14033 Torrance 8-85
Install lining in tube sheet

14557 Carson Yard 12/86
Install refractory on blind flange

REDMAN EQUIPMENT

5598	Torrance Repairs to Dowthern boiler	3/69 WO
6425	Repairs to Heater #E-906	10/70
6903	Tail Gas Heater	10/1/71
7881	Texaco Inc. Torrance Live channel head of E732	9/73
8127	Torrance Repairs to heat treat furnace	3/74
8476	Valley Nitrogen, Torrance Furnish & Install Corlok Castable & Furnish Ceramic Fiber Blanket for Heat Exchanger Tube Bundle in Nitric Acid Plant	9/74
9486	Torrance - Install Koalite 23 LI between Shell Shroud on Mobil Oil Unit	10/76
9560	Torrance - Insulate Tube Sheets	12/76
9674 "A"	Torrance - Nec Repairs to Arch in Annealing Furnace Repairs to Arch & Annealing Furnace	3/77
9695	Torrance - Install Castable around Ferrules in Tail Gas Heater	3/77
10097	Torrance - Insulation of Coker Head	12/77
10154	Torrance - Mobil Oil Co Insulate Cone Section	1/78
10175	Torrance - Repair Furnace	1/78

REDONDO TILE COMPANY

6055 - Redondo Beach - Construct Pottery Kiln

REED ROLLER BIT COMPANY

5551 - Los Angeles - Renew Hearth on One (1) 3' x 6' Knapp Furnace

REF-CHEM COMPANY

9736 El Paso, Texas
El Paso Natural Gas Products Co. - Monument, New Mexico
Repairs to Henry Vogt Boiler Setting damaged by
Explosion

REFINERY MAINTENANCE COMPANY, INC.

6224 - Union Oil Company of Calif. - Wilmington
Fireproofing with Red Brick, Skirt of Vessel D-101 in Unit #34

6347 - Barnsdall Oil Company, Newhall
To Install Refractories and Insulationg Materials for One (1) Petro-Chem Oil Heater
(A) - To Insulate with Red Brick Eight (8) 12" WF 27# Columns 51'-8" high on Petro-Chem Heater
(B) - To Insulate with Red Brick 4 - 6"x6" WF 20# Columns 8'-10" high on D-3

6626 - Coline Gasoline Corporation
Rincon, Seacliff Siding, Ventura County - Ventura, Calif. - Born Heater Brickwork, Labor only
(A) - Material

6844 - General Petroleum Corporation - Torrance - T. C. C. Unit - To Install Refractories and Insulation on Two (2) Lummus Oil Heaters

REFINING ASSOCIATES INC

5609	Orange Export to Indonesia	3/69 HWB
6246	Long Beach 5/70 Furnish material for overseas shipment	
6509	Furnish matl for overseas shipment	12/70
6560	Furnish matl for export	1/71
6588	Orange Furnish Matl for export	2/71

REFRIGERATING EQUIPMENT COMPANY

2020 - Alfred Ice Cream Company - Tipton, Calif.
Three (3) HRT Boilers

REICHOLD CHEMICAL

11721	Irwindale Repairs to #2 stack	8/80
12113	Irwindale Modify #2 thooat	4/81
12595	Irwindale, CA Rebuild #3 furnace	3/82
12801 R	Irwindale, CA Rebuild #2 furnace	9/82
12848	Irwindale, CA Repair #3 roof	10/82
12903 R	Irwindale, CA Repair boiler	12/82

REICHHOLD CHEMICALS, INC.

8025 - Azusa - Install Refractory Lining in One (1) Pot Furnace

8895 - See C. C. Moore & Co. Engineers
Azusa - Repairs to B&W FM61 Package Boiler

9187 - See All Industrial Furnace Co.
Azusa - Install Lining in Varnish Kettle

8923 -(Kaiser Glass Fibers) 8/75
Irwindale - Nec Repairs to #2 Furnace.

9026 Irwindale 10/75
Rebuild Glass Fiber Furnace #5
"A" Tear Out Lining

9516 Irwindale - Construct #3 Glass 11/76
Fiber Furnace

10040 Irwindale - Rebuild #2 Tank 10/77
"A" Continuation of work - Billed before complete Tearout

11043 REICHHOLD CHEMICAL INC.
Irwindale - Repairs to #1
doghouse 7/79

11331 Irwindale 12/79
Repair #2 ~~xxxxxxx~~h forehearth WH

11464 Irwindale 3/80
Rebuild #3 furnace

REISNER METALS INC

4714	South Gate Supply combustion equipment for one Pusher furnace	
(A)	Supply comb. equipment for box furnace	
9661	South Gate Furnish Combustion & Flame Control Panel.	2/77
11172	Los Angeles Design and construct three hood type heat treating furnace	9/79
A	Reline tow 11ft ID furnace	GDN

RELIANCE SHEET METAL

13156	RSR QUEMETCO City of industry, CA Install lining in flue duct	RCN 8/83

REMSCO ASSOCIATES

2595 - See Twyman Engineering Company
Langley Research Center - Los Angeles
Labor and material to install Refractory
lining in One (1) Air Heater

RENAULD, FRED S.

2856 - Columbia Phonograph
3C12 Erie City Boiler Setting

2864 - Southern Service Company
Riverside Laundry Company - Riverside
Erie City Boiler Brickwork

2895 - Long Beach Linen & Supply Company
Furnace Brickwork - Altman-Taylor Boiler

2966 - Standard Battery Separator Company
Repair Boiler Setting for Economic Boiler

2968 - Thomson Plumbing & Heating Co.
Arizona State Teachers College - Flagstaff, Ariz.
One (1) Erie City Boiler

REPLACEMENT UNIT COMPANY
GRIZZLY BRAKE DIVISION

9920 **Los Angeles - Labor and Material to Repair Firebox in Debonding Furnace**
(A) **Insulating Brick and Tile Replacement on Four Separate Walls of Furnace**

1482 - Los Angeles - To reline side walls and walls on top of arch in Furnace

2036 - Los Angeles - Reline Side Walls and Walls on Top Arch of Furnace

REPUBLIC CARBON PRODUCTS - Bakersfield
(Divn. Amax Corp)

6451	Design and construct 2 Metallurgical Coke Kilns	10/70
6699	Install Refractory Lining in 19' 6" ID Six-Hearth BSP Calcining Furnace	5/71
"A" 6794	Additional Work Labor and Material to Install Lining in Cyclone	7/71

REPUBLIC FASTENERS

12345 Newberry Park 9/81
Repairs to IBSEN shaker furnace

REPUBLIC STEEL CORPORATION

5739 - See Buttress & McClellan, Inc.
Los Angeles - Acid Brickwork to One (1) Piccle Pit

(A) - Union Drawn Steel Div. of Republic Steel Corp.
Acid-Proof Brick Lining for Two (2) Acid Pickle Tanks

RESEARCH COTTRELL

7959 New Jersey
Carson yard
cut 100 - 200 ceramic flower pots 11/15

REULAND ELECTRIC

3489 City of Industry
Design and construct two 3500# aluminum melting furnaces
(A) Remodel Aluminum Melting Furnace

5235 City of Industry
Install new linings in two 3500# aluminum melting furnaces (7/68)

6630 City of Industry 3/71
Install new Refractory Linings in two 3500# Melting Furnaces

7409 City of Industry
Labor and material to supply Refractory lining. 11/72

8477 City of Industry 9/74
Line 2 ~~tt~~ Melting Furnaces

10155 City of Industry 1/78
Repair South Furnace Sprung Arch & Upper Well Wall

10198 City of Industry 2/78
Remove & Replace Arch & Upper West Wall of North Aluminum Melting Furnace

10390 Carson - Matl & Labor for Refractory 6/78
Lining for 6,000# Alum. Melting Furnace

10524 City of Industry - Refractory Lining North Aluminum Melting Furnace 9/78

REVERE COPPER AND BRASS, INC.

6435 - See Bechtel Corporation
Los Angeles County - Acid Brickwork for Pickle Pit

6463 - See Bechtel Corporation
Los Angeles County - To Construct Dempsey Bright Anneal Furnace
(A) - To Construct Dempsey Billet Furnace
(B) - Brickwork Repairs to Rundown Anneal Furnace

REVERE EXTRUDERS INC

9656	Mojave - Supply Namco Burner Equipment for Warwick Furnace Melter #3	2/77
"A"	Supply Namco Burner Equipment & Flame Safety Panel for Holding Furnace #2.	
"B"	Supply Namco Burner Equipment & Flame Safety Panel for Melting Furnace #1	
"C"	Supply Namco Oil Pumping System.	
9918	Mojave - Furnish & Install 3 Oil Tanks & Install Two (2) Supervision Panels	8/77
"A"	Furnish Slide Plates on Warwick Furnace	12/77
"B"	Furnish Atomizing Air blower for #1 Melter	

11105 Mojave
Repair homogenizing Furnace 8/79

A Design and furnish and install new process control system (Moore) for existing homogenizing furnace

B Supply electrical drawings

11689 Mojave 7/80
Rebuild moore instruments RLH

14241 Mojave
Supply furnace instruments
& control panel 2-14-86

14244 Mojave
Repairs to GP Aluminum furnace 2-18-86

14379 Mojave
Gunite Hot Jambs 7-2-86

DAVID G. REYNOLDS COMPANY

1348 - California Rendering Co - Vernon
Construct Refractory & Insulation lining for
One (1) Waste Gas Incinerator
(A)- Cut hole in existing boiler to install breeching.

2995 - MacMillan Oil Company
Long Beach
Rexx Refractory Lining for Fired Heater

REYNOLDS METALS

4981 Torrance
Design and construct unit #4 13,500 SCFM fume incinerator for lines 6 and 7

5078 Bechtel Corporation
Longview, Washington
Install castable on pads at each end of 6 furnaces (3/68)
A) Line 6 molten metal filters
B) Line 12 Dross skim pots
C) Line 2 crucible preheaters
D) Line 6 crucibles
E) Line 6 stack transitions
F) Line 6 filter boxes (5/68)

5124 Torrance
Install ducting required to complete final tie-in between base coating oven Lines 1 and 2 and Fume Incinerator #3 (4/68)

5937 Torrance 10/13
Replacing Control Dampers on 4 Fume Incinerators

6107 Torrance 1/70
Fabricate and install collection duct for Post Coater Oven, Line 6

6756 Torrance
Brickwork and Burner Repair

8067 Torrance 1/74
Modify burners on existing fume incinerator CRT

8832 HUNTER ENGINEERING 5/75
Listerville, Alabama
Furnish 4 Burner Systems

REYNOLDS METALS COMPANY

2149 - Phoenix, Arizona
Design and supply temperature control system for Aluminum Remelt Furnace

2246 - Phoenix, Arizona
Reline #4 Aluminum Furnace Stack

2651 - Phoenix, Arizona
Supply Combustion System Less Equipment Returned.

3230 Phoeniz, Arizona
Furnish North American Combustion Equipment

4006 Phoenix, Arizona
Install refractory and insulation materials #1 remelt furnace

4135 Phoenix, Arizona
Install refractory materials in #8 Remelt Furnace

4255 Phoenix

4545

(A) Install 12 Louvers

Longview, Washington
Labor only to install refractories in six 90,000#holding furnaces.

A) Labor and equip. to check brick sizes and pallets

B) Spraying water on castable pours

REYNOLDS METALS

11194	J T THORPE CO-Baton Rouge Modifications to #4 coke calcining kiln incinerator	10/79
12613	Torrance, CA Repairs to Granco Furnace	3/82
15040	Sheffield, Alabama Design & construct (1) 170,000# remelt furnace $571,480.00	4-6-88

REYNOLDS RUBBER COMPANY

252 - See Baker Iron Works
One (1) 36" x 12'-0" HRT Boiler

RHEEM AUTOMOTIVE COMPANY
DIVISION OF RHEEM MANUFACTURING CO.

9339 - Anaheim - Repairs to Wall of Mundt Boiler

RHEEM MANUFACTURING CO.

7384 - See Nukem Products Corporation
Downey, California - Install Acid Brick
Materials in Sand Trap

8304 - See Macco Corporation
Downey - Repair Westinghouse Globar furnace

8349 - See Macco Corporation
Downey - Repair Westinghouse Roller Rail Furnace
(A) - Replace Brick Piers in Westinghouse Globar Furn.

8464 - See Macco Corporation
Downey - Repair Knapp #4872 D.M. Furnace

RIBESCO IRON & STEEL COMPANY

5445 - Southern California Gas Co. - Los Angeles
Aliso Street Plant - Install Floor in One (1)
Oven

RICE RANCH OIL COMPANY

2819 - Circular Still

RICHARD IRON FOUNDRY

11454 ·	Norfolk, VA	3/80
	Furnish burner system and control panel for cupola afterburner system	RPA

RICH MANUFACTURING COMPANY OF CALIFORNIA

1244 Corona - Install lining in Cupola Flue and Spray Chamber

and
RICH STEEL/PICKLING COMPANY

7116 - Los Angeles 1 - Acid-Proof Brick Lining for One (1) Pickling Tank

7919 - Los Angeles 1 - To Repair Sulphuric Acid Tank

1242 - Los Angeles - Acid Brickwork Repairs in Tank

6522 Construct new sulfuric acid pickling tank. Dec/70

A - Repair water rinse tank.
B- Acid Brick Paving around Sulphuric Acid Tank
C- Remove Concrete Fill in Bottom of Water Rinse Tank 2/71

7380 Los Angeles

Repair West Pickling tank. 10/13/72

RICHFIELD OIL CORPORATION

See ATLANTIC-RICHFIELD

RIDGELITE PRODUCTS

1153 ~~Lee Kiln Company~~ - Lebec #2
Labor Only to Reline ~~Two~~ Rotary Kiln#/

1265 Lebec - #3 Kiln Lining and #3 Firing Hood Lining

1346 - Lebec - Construct Refractory Lining in #3 Kiln Feed Hood

1369 - Frazier Park - Rebrick #1 Kiln
(A) -Rebrick #1 Firing Hood
(B) -Rebrick #1 Feed Head

1453 - Lebec - Repairs #3 Kiln

2001 - Frazier Park - Install 20' of Lining in 10' diameter end of #3 Kiln

2045 - Frazier Park - Install 30' of lining on #2 Kiln

2203 - Frazier Park - Rotary Kiln #1 - 8" Dia. Reline 60 ft. Labor only

2250 - Frazier Park - Repair Lining in #3 Kiln

2350 - Frazier Park - Install portion of lining of #4 Kiln
(A) - Line Firing Hood and Cooler Chute

2374 - Lebec - Install eight feet of Lining in Discharge End #3 Kiln

3014 - Lebec - Repairs to #3 Kiln

3207 Lebec
Labor and material to line #1 Kiln
coaler chute

N. J. RIEBE ENTERPRISE INC

14596 . Yuma, AZ 1/87
Refractory lining for power check pads

RIEDEL ERECTING

8887 - Harvey Aluminum - Division of Harvey Machine Co.
Torrance - Insulate Two Carl Mayer Co. Furnaces -
Labor Only

NO 861-11K U.S.A.

RIETZ MFG CO

6721	Anaheim Install Lining in Dryer Firebox	5/71

RIKER LABORATORIES, INC.

7567 - See Joseph Goder Incinerators - West Los Angeles Incinerator Stack

(A) - Brickwork Enclosure for One (1) Type 100 SS Special Goder Destructor

RILEY STOKER CORPORATION

6053-C OFCCO Construction Co., Inc.
City of Los Angeles, Dept. of Water & Power
Harbor Steam Plant - Wilmington
To Patch Holes in Hot Air Duct of Boiler

RIM OF THE WORLD SCHOOL

8857 - See American Pipe & Steel Corporation
Lake Arrowhead - Line 26"dia. Breeching and 4'-6" dia. x 600'-0" high Stack

RIO GRANDE OIL COMPANY

2624 - Vinvale - Detrick Arch Material

2625 - Vinvale - Insulation - Jenkins Reformer

2638 - Insulation Repairs to #2 Jenkins Still

2651 - Long Beach - Insulation - Two (2) 100 h.p. Broderick Firebox Boilers

2653 - Vinvale - Insulate Two (2) 36" x 40'-0" Bubble Tower

2803 - Vinvale - #600 Vertical Type Heater

RIVERSIDE CEMENT COMPANY

2880 - See C. C. Moore & Co. Engineers
5-drum Stirling Boiler

3284 - Crestmore - Repairs to Waste Heat Flue

3673 - Riverside - Dust Chambers - Flues to #13 and #14 Kilns

3690 - Riverside - Firing Hood and Clinker Coolers #13 and #14 Kilns

3896 - Oro Grande Plant - Dust Chamber Brickwork

4826 - Oro Grande - Hood and Cooler Brickwork for #4 Kiln

5783 - See Coen Company
Oro Grande - To Construct Two (2) Air Heating Furnaces

7389 - Oro Grande, Calif. - To Line Two (2) Gas Mixing Chambers and to Line Ducts for Gas Mixing Chambers
(A) - Cutting Holes
Extra - To Furnish 14" dia. x 31'-6" Long Flexible Hose

7482 - Oro Grande, Calif. - To Install Refractory Linings in Two (2) 350 ft. Kilns - Labor Only

7483 - Oro Grande - Two (2) Fuller Coolers - Labor Only to Install Fire Brick Linings
(A) - Two (2) Kiln Hood Fire Brick Linings
(B) - Cut #3 Wedge Brick for #4 Kiln Hood Lining
(C) - Build Cross Wall in #3 Recuperator
(A) Extra - Overtime & Material

8083 - See Combustion Engineering, Inc.
Oro Grande - Construct Five (5) Waste Heat Boiler Settings

8171 - See Bechtel Corporation
Oro Grande, - Install Stack Lining
(A) - Alter Brickwork on #4 & #5 Dust Chambers
(B) - Alter Brickwork on #1, #2, #3 Dust Chambers

8189 - Oro Grande, - Install Detrick Refractory Hanger Arch on #2 and #5 Fuller Coolers

RIVERSIDE CEMENT COMPANY (contd.)

8190 - See Combustion Engineering, Inc.
Oro Grande - Settings for Two Direct fired Boilers
(A) - Repair Boiler #6
Insulate Soot Blower on #4 & #5 Boilers

8351 - Oro Grande - Boilers #4 & #5
Brickwork Alterations to Flue Connection
(A) - Ten Access Doors

8679 - Oro Grande - Gunite Taper Section in Kiln Lining
(A) - Gunite Work at Coolers and Ducts

9922 - Oro Grande - Refractory Lining in Preheat System of #6 and #7 Kilns (Gunite) (Guniting)
(A) - Remove & Replace Castable around Aeration Tile

1440 - Oro Grande - Gunite repair of Preheater Flue

1447 - Crestmore, Calif - Labor & Material to Construct Test Furnace

1504 - Crestmore - Install Refractory Lining for Preheater Inlet Duct of Kiln

1540 - Crestmore - Labor only to install lining in Rotary Kiln
(A) - Labor only to install lining in Ball Mill

1620 - Crestmore - Labor [redacted] to Install Porous Tile in Floor of 2 Silos

2394 - Crestmore - Gunite Kaolite Aggregate to Side Wall in Main Flue

2484 - Crestmore - Engineer & construct Rotary Test Kiln

2534 - Oro Grande - Install Abrasive Resistant Lining in eight (8) Cyclones

(Continued)

2682 - Riverside - Duct Lining for Todd Heater
(A) - Replace Duct Lining 4½" Dia. x 6'
(B) - Replace Duct Lining 4½" Dia. x 2'

2708 - Oro Grande
Install RS17E Lining in Ten ~~(10)~~ Cyclones

2967 - (Work done at Wilmington Warehouse)
Lining Duct Section and Expansion Joint
(A) - Install lining in Mill Inlet Duct

2985 - Riverside
Labor and material for Two (2) Firing Hoods, Two (2) Coolers and Two (2) Feed Hoods

3043 - Riverside
Install lining in Two (2) Kilns
(A) Install 11¼" of lifters or corbels in discharge end of #2 Kiln.

3308 Riverside
Labor only to install 4" coors ceramic lining in one F. L. Smidth Grinding Mill

3306 Riverside
Replace 25' of 70% with 25' of basic - #1 Kiln

3437 Crestmore - Install lining in 9' x 253' white cement kiln and dust chamber

RIVERSIDE CEMENT COMPANY (Continued)

7191	Crestmore Repair #2 Kiln Cooler	
"A"	Additional Work	5/72
10132	Riverside - Install Eyebrow on #2 Kiln Firing Hood	12/77
10135	Riverside - Labor & Materials to Rebuild Walls on #1 Kiln Cooler and Wall Under Kiln on Firing Hood	12/78
10447	Crestmore - Rebuild Eyebrow in #1 Kiln Firing Hood	7/78
10729	Crestmore - Repairs to #2 Kiln Firing Hood	1/79
11005	Crestmore - Nec Repairs to #1 Firing Hood	6/79
11428	ENERGY SAVINGS SERVICE INC crestmore Install 144 LF of castable in new chain section	2/80 RCN
A	Tearout 68 LF of lining starting at feed end	
11453	Carson Yard Install castable on burner pipe	3/80

RIVERSIDE CEMENT COMPANY

12193	Riverside Repairs to #2 cooler	6/1/81
13009	Furnish labor only to install a castable lining in one chain section on the north white cement kiln	RCN 4/83
13338	Crestmore, CA Install castable chain section South white cement kiln	1/31
13402	Riverside, CA Supply Labor only to install refractory lining in #2 Grey Kiln	3/84
A-	Extra Labor & Mat'l	
B-	Install Lining on Pillard Burner	
13604	Carson Yard Install Castable Lining in Power Pollard Burner	8/84
13725	Riverside Ca Repair Polard Burner Tips	11-84
13736	Carson Yard Repair Polard Burner	12-84
14148	Riverside CA Install lining in pilard burner	11-20-85
14432	Carson Yark Install lining in Pillard Burner Pipe	9-4-86
14432	Carson Yard Install lining in Pillard Burner Pipe	9-4-86

RIVERSIDE HIGHLAND WATER COMPANY

.2444 - Colton - Repairs to Two (2) 6'-0" x $\frac{8'-9"}{42-16}$ V.H.
B. & W. Boilers

RIVERSIDE LAUNDRY SERVICE

2864 - See Fred S. Renauld
Southern Service Company
Riverside - Erie City Boiler

3102 - See Southern Service Company
Boiler Repair

3808 - See Southern Service Company
Riverside - Repairs to Economic Boiler

ALEX ROBERTSON COMPANY

4021 · Los Angeles
Design and construct car bottom annealing furnace

4162 ~~Paramount~~
Design and construct one pipe bending furnace CANCELLED

4706 Torrance
DOW CHEMICAL CO
Install two (2) burner rings

4855 Paramount
So. Calif. Edison Co.
(Lomita Station)
Build and remove scaffold in 2 born heaters.

A) Necessary repairs to castable refractory on 2 born heaters

6654 SHELL OIL CO (WILMINGTON)
Lining for Ground Flare

ROBINSON, D. P., COMPANY

3136 - American Potash & Chemical Corp. - Trona
Brick Wall and Trench - Boiler #17

ROBINTECH INC

9446	City of Industry - Repairs to Electric Furnace Co. Roller Hearth.	9/76
9792	City of Industry - Carson Yard Supply Material Only	5/77

ROCK ISLAND REFINERY

12017	PATHWAY BELLOS Carson Yard/Indianapolis, Indiana Install linig in one expansion joint	2/81 RCN

ROCKETDYNE

Canoga Park

3240 C. C. Moore & Co. Engineers
Gunite Kaowool on Pacific Scientific Furnace

14815	El Segundo, CA Repairs to 6' x 6' AFB Combustion Chamber	8-20-87
15179	El Segundo, CA Repairs to 6' x 6' AFB Unit	8-26-88

ROCKLITE COMPANY

6226 - Ventura - Rotary Kiln - Firebrick Lining
(A) - Remove 4½" Projection in Fire Brick Lining of Rotary Kiln
(B) - To Install about 28 ft. of 4½" Fire Brick Lining in Kiln

3473 Ventura
Labor only to install approx. 43 L.F. Lining in 8' dia. Kiln

3520 Ventura
Install 20 ft. of kiln lining and gunite feed hood

3606 Ventura
Necessary repairs to #5 Kiln

3732 Ventura
Kiln repairs #1, #3, #4 and #5 Kilns

3940 Ventura
Necessary repairs to Kiln #3

3989 Ventura
Repair #3 Kiln

4075 Ventura
Renew #1 Kiln.

ROCKWELL INTERNATIONAL

9883 Atomics Int'l Division - Santa Susana 7/77
H_2S Incinerator

9884 Atomics Int'l Division - Santa Susana 7/77
Product Gas Incinerator Sub-System

9948 Space Div of Rockwell Plant - Downey 8/77
Repairs to Autoclave Mathews Unit

10484 Energy System Group - Canoga Park 8/78
Additional Switches for Job 9691, 9883, 9884.

11082 El Segundo
Labor only to install refractory lining in slag separator assembly 7/79

11231 Carson Yard 10/79
Install refractory lining in mixer assembly RCN

11341 Carson Yard 1/80
Labor only to install refractory lining in MHD secondary vitiator chamber

11342 El Segundo 1/80
Perform dryout on slag separator assembly

11938 Carson Yard 12/80
Re-install lining in coal combustor CO

JROCKWELL INTERNATIONAL

12232 Carson Yard 6/81
Install refractory lining in slag separator assembly

12750 ROCKWELL RCN
Carson Yard 7/82
Install refractory lining in Lo-nox combustor

13267 Carson yard 12/2
Install refractory lining
Low NDX/50X Burner

A Install lining in (3) shell assemblies for a low NOX/30X Pilot Burner-Rockwell Int'l

13394 Carson Yard 3/84
Line Injection Plate

13647 Carson Yard 10-84
Reline 2 Spool Pieces for Low Noxisox Burner

14541 El Segundo 12/86
Repairs to Todd hetaer Bldg. 254

14687 Rocketdyne Div 4/22
Canoga Park
Line two spools

ROHR INDUSTRIES

(Formerly
ROHR AIRCRAFT COMPANY)

8319 - Chulavista, California - Line General Electric Roller Hearth Furnace - Labor Only

9601 - See Westinghouse Electric Corporation Arlington - Supply Labor Only to Erect One (1) Westinghouse Electric Car-Type Furnace
(A) - Labor to Repair Five (5) Piers on Furnace Car

3192 Riverside
Repairs to Acid Brick Tank.

3270 Riverside
Repair Pentone liner and brickwork to acid brick tank

5360 Chula Vista
Design and construct 17'x17'x18' high car bottom stress relieving furnace.

8208 Riverside 4/74
Repairs to carbon brick lined tank RCN

8379 Riverside 7/74
Nec. repairs to acid tank
A Supply new carbon brick line for pickling tank

9455 Riverside - Acid Tank Repairs 9/76

ROLLING MILL DIVN.

4000 Allison Steel Mfg. Co.
Phoenix
Supply and install new lining in reheat furnace.

ROMA WINE COMPANY

5470 - See California Vineyards Assn.
Fresno - Brickwork Repairs to Dryer Furnace

ROME CABLE DIVISION OF ALCOA (Continued)

4653 Torrance
Alterations to one ammonia disassociater

5350 Torrance
Repair reducing oven.

NOW: ROME CABLE DIVISION OF ALCOA
Formerly
ROME CABLE CORPORATION

7230 - Torrance - To Repair Firebox of Mund Boiler

7262 - Torrance - Repairs to Generator Lining
(A) - Pit Type Furnace
(B) - Flame Heater
(C) - Radiant Tube Reducing Furnace

8247 - Torrance - Repair Brickwork on Electric Furnace Co. Flame Heater

8434 - Torrance - Renew Roof of Flame Heater

8783 - Torrance - Install Acid-Proof Brick Lining in One Pickle Tank
(A) - Install Asphalt Membrane in Concrete Pit

9372 - Torrance - Repair Brickwork on Radiant Tube Furnace

9659 - Torrance - Install Acid Proof Lining in Sulphuric Acid Pickling Tank

1375 - Torrance - Necessary repairs to #371 Hot Dip Electric Furnace

2435 - Torrance - Repairs on Reducing Furnace #371

2642 - Torrance - Repairs to Pickling Tank

2960 - Torrance - Repairs to Baffle between Hot and Cold Zones of Reducing Furnace

3523 Torrance
Rebuild roof of furnace and misc. repairs

3936 Torrance
Rebrick galvanized electric furnace

4122 Torrance
Furnish and install acid proof lining for electro plating tank

ROME CABLE DIVISION OF CYPRESS MINES

5526 . Torrance
Repair Acid Plating Tank #6

1/69
DRA

ROSCOE INDUSTRIAL INCINERATOR CO.

8210 - Santa Ynez Inn - Pacific Palisades
Construct One 150 lb Refuse Incinerator

8357 - Mid-Way Hospital - Los Angeles
Repair Incinerator

8478 - Palisades Trailer Bowl - Santa Monica
Construct Refuse Incinerator

ROSE COOPERAGE

8643	Montebello Repairs to holes in arch of barrel kiln.	1/75
8851	Montebello Nec Repairs to Combustion Chamber.	6/75

ROSEDALE CEMETERY ASSOCIATION

9575 - Los Angeles - Repair Cosser Cremation Retort

ROSE HILLS CEMETERY

3341 Whittier
Clean out two (2) flues of retort.

ROSENDAHL CORP

5337	Los Angeles	(8/68)
	Johns Manville Corp	HWB
	Lompoc	
	Refractory linings in kiln, kiln hoods, 2 cyclones and 2 hot lines	

ROSENER, LELAND

3365 - Schumacher Wall Board Company
Air Heating Furnace

3391 - Schumacher Wall Board Company
Air Heating Furnace for #2 Calcining Unit and
Stack Extension

3436 - Schumacher Wall Board Company
Air Heating Furnace #3

ROSS, CAMP (between Wilmington & San Pedro)

4829 - See U. S. A. - War Department
Post Engineer, Los Angeles Port of Embarkation
Building 232, Wilmington
Installation of Brick Setting for One (1) #584
Kewanee Boiler for Land Based Training Ship

ROSS, J. O., ENGINEERING CORPORATION

9355 - Johns-Manville Products Corporation - Watson
Line One (1) Air Heater

9588 - Alabama Pipe Co. - South Gate
Supply Labor & Material to Install Gunited Lining
in Cupola Flue

ROTATIONAL MOLDING

12611	Gardena, CA Furnish gas burner system & control panel	GH 3/82

ROTHSCHILD OIL COMPANY (Now Powerine Oil Co)

3479 See The Fluor Corporation, Ltd.
Santa Fe Springs - One (1) U. O. P. Heavy Oil Heater and One (1) U. O. P. Light Oil Heater

3485 See The Fluor Corporation, Ltd.
Santa Fe Springs - Two (2) U.O. P. Type "D" Heaters and One (1) Type "B" Poly Gas Heater

4079 See The Fluor Corporation, Ltd.
Santa Fe Springs - Insulation Repairs to U. O. P. Heater

6761 Santa Fe Springs - Install New Insulation Lining in Flues and Breeching of U. O. P. Heavy Oil and Light Oil Heaters

9507 Santa Fe Springs - One (1) Crude Still Lining

9570 - Santa Fe Springs - Install Refractory Lining in Platformer Heater and UOP Heater Cone

9819 Norwalk - Install Lining in Anderson Heater

(See Powerine Oil Company)

Rucker Shaffer

7950	Brea Design and construct heat treating furnace	11/8
8839	Brea Heat Treating Cylindrical Furnace	5/75
9091	Brea Construct & Lining One 12' Dia Furnace Base	12/75

RUDD, H. E., CONSTRUCTION CO.

9243 - Wilmington - Office Yard
Cut 7 pieces of Sewer Pipe

RUSSELL BOLT & MFG CO. Div. of
Norris Thermador Corp

2643 - See L. W. Lefort Company Inc.
Vernon - Line new Pickling Tank

(Direct for Norris-Thermador) (A) - Reset Combustion Tube in Pickling Tank and Construct an Anti-spray Wall of Acid Brick

RUSSELL, BURDSALL & WARD INC

8241	LA Acid brick repairs	4/74 RCN
8387	LA Furnish and install acid brick lined pickling tank	7/74 RCN
A	Install acid proof lining in pit	
8795	LA Repairs to Trenches surrounding Pickling Line.	5/75
"A"	Repairs to Neutralizing Pit.	
"B"	Demolition of Concrete Tanks & Repair of Concrete Pad.	7/75
8881	LA Furnish New Acid Brick Linined Pickling Tank.	7/75
"A"	Install Acid Proof Protection on Concrete Pad & Trenches.	
"B"	Install Brick Cap on Rinse Tank	8/75

RUST ENGINEERING COMPANY

7662	Stauffer Chemical Company Dominguez Necessary repairs to 4 air heaters	4/73
7432	Stauffer Chemical Dominguez Supply and install acid brick linings in vessels	
7911	Stauffer chemical Dominguez Point up brick work	10/11

RUST FURNACE COMPANY

. 6246 - Bethlehem Pacific Coast Steel Corp. - Vernon
Repairs to Rust Furnace

RYAN AERONAUTICAL COMPANY

7522 - San Diego - Labor Only to Install Refractories in One (1) General Electric 7'-5" wide x 17'-4" Long Car Type Furnace

7576 - San Diego - To Rebrick Two Manifold Heat Treating Furnaces

7823 - San Diego - To Tear Out and Renew Lining on One (1) Knapp Furnaces - Equipment No. 315032
(A) - Ditto for Equipment No. 310049

7896 - See General Electric Company - San Diego
To Repair Car Top on G. E. Furnace

8220 - San Diego - Labor only to Install Lining in G-E Pit Type Furnace

8571 - San Diego - Labor only to Install Refractory and Insulation in One (1) General Electric Cylindrical Pit-Type Furace

8592 - San Diego - Completely Rebrick One (1) Lindberg Type 729684 - E12 Electric Furnace

8621 - San Diego - Remove and Replace Hearth in #5 Knapp Furnace
(A) - Labor Only for Extra Repairs

9217 - See Despatch Oven Company
San Diego - Furnish Labor Only to Install Refractories in One (1) Despatch Oven

RYAN AIRCRAFT COMPANY

5060 - See English and Lauer, Inc.
San Diego - Install Three (3) Fireboxes in
Pacific Boilers

WD. 801-11 R [illegible] U.S.A.

J. T. THORPE
JOB BOOKS

ALPHABETICAL

ORDER:

S

S - G METALS INC (GARDENA)

(formerly Sonken-Galamba)

2378	Design and Construct 20, 000# aluminum melting furnace
2449	Repairs to holding furnace
2460	Labor and material to increase burner capacity of Thorpe furnace.
2491	Repairs to Melting furnace
2575	Repairs to Melting furnace
2664	Repairs to arch of Thorpe Melting furnace
6534	Furnish Detrick material

S. & L. MANUFACTURING COMPANY

7978 - Gardena, California - #2 Forge Furnace Brickwork

SAATJIAN, K. N.

3918 - Long Beach - Repairs to Fireplace and Barbecue Pit

NO. 801-11 R U.S.A.

SABER ENGR INC.

12351	PATHWAY BELLOWS/MW KELLOGG El Cajon/Corpus Christi, TX Install refractory lining in one expansion joint	9/81 RCN

ST. BERNARDINE HOSPITAL - San Bernardino

5853 - See Morse Boulger Destructor Co.
Construct One (1) Model 2-E Morse Boulger Destructor

12788	San Bernardino, CA Repair two heater power equipment boilers	8/82

NO. 801-11 R ... U.S.A.

ST. FRANCIS HOSPITAL

5281 - English and Lauer, Inc.
Lynwood - Firebox for Two (2) Brownell Boiler Settings

NO. 801-11 R IP U.S.A.

ST. HELEN'S PETROLEUM CORPORATION

2193 - Whittier - Repairs to Pipe Stills

2275 - Whittier - HRT Boiler Repairs

2282 - Pico - Baffle for B. & W. Boiler

2341 - See D. F. Hand
Foundation and Baffles for One (1) 8'-0" x $\frac{7-9}{1-36}$
x 18" B. & W. Boiler

2342 - See D. F. Hand
Brickwork for One (1) 8'-0" x $\frac{7-9}{1-36}$ x 18" B&W Blr.

2377 - HRT Boiler Repairs

2381 - Pico - Still Repairs

2478 - Pico - Repairs to One (1) Pipe Still

2511 - Pico - Repairs to #3 Pipe Still

2827 - Two (2) Class "A" #12 Stirling Boilers

ST. JOHN'S HOSPITAL

9040 - See C. C. Moore & Co. Engineers
Santa Mohica - Install Burner Tile on Coen Burners in Two (2) B&W FM Boilers

1208 - Santa Monica - Repairs to Incinerator

NO. 661-113 U.S.A.

ST. JOSEPH'S HOSPITAL cont...

6982 - See C. C. Moore & Co. Engineers
Burbank - Refractories and Insulation for Two (2)
FF-12 No. 20 B & W Boilers
(A) - Insulation on D C Heater

ST. JOSEPH'S HOSPITAL

7312 - See C. C. Moore & Co. Engineers
Phoenix, Arizona - Brick Setting & Drum Head Insulation for Three (3) B & W, set singly, Class H-2 No. 14 Boilers

2613 - Burbank - Repairs to Incinerator

ST. JUDE HOSPITAL

4937 Fullerton
Repairs to refractory on Keeler
Boiler #3

5076 Fullerton
Repair front wall #1 and #2 Keeler Boilers

ST. MARY'S HOSPITAL

5448 - See Morse Boulger Destructor Co.
Long Beach - To Construct One (1) Incinerator

2290 - See Joseph Goder Incinerator
Long Beach - Repair Incinerator

NO. 801-11 R 2 IP U.S.A.

ST. MONICA SCHOOL

2776	- St. Monica Church - Santa Monica Renew lining in Firebox of Mills Water Tube Boiler

ST. VINCENT'S HOSPITAL

337 - See C. C. Moore & Co. Engineers
Two (2) Class I #20 Stirling Boilers

7319 - See Joseph Goder Incinerators
St. Vincents College of Nursing - Los Angeles
To Construct One (1) Goder Type 450-SR
Incinerator and Breeching

SAIC

13865 Irvine
Engineering Analysis of
Electrical furnaces operation 3-85

SALEM BROSIUS INC
(Pittsburgh, Pa)

4896 U S Steel
Torrance
Install refractory lining in reheating furnace

5108 U. S. Steel Co
Torrance
Labor and material to pack cement grout under support column

SALT LAKE REFINING COMPANY

6781 - See Bechtel Corporation
Salt Lake City, Utah
Houdriflow Unit HF-2 - Kiln-Reactor Lining
(A) - Petro-Chem Heater Brickwork
(B) - Peabody Air Heater Brickwork
(C) - Born Heater--Brickwork and Insulation
(D) - To Repair Crude Unit Furnace

7800 - See Bechtel Corporation - Salt Lake Refining Co.
Salt Lake City, Utah - To Extend Kiln Lining-
Labor only
(A) - Repairs to Petro-Chem Furnace
(B) - Repairs to Air-Line Burner

8354 - See The Fluor Corporation, Ltd.
Salt Lake City, Utah-Monolithic Linings for
Regenerator and Reactor-F.F.C. Unit

NO. 901-11 B HPM U.S.A.

SALT RESOURCES

3213 Demcor Incorporated
Claremont, California
Design and Construct 2.8 million BTU
Air Heater Unit

SALT RIVER PROJECT, AGRICULTURAL IMPROVEMENT & POWER DISTRICT
SALT RIVER POWER DISTRICT

7387 - See Combustion Engineering - Superheater, Inc.
Phoenix, Arizona
Refractory & Insulation for One (1)
New C E Boiler

7656 - See Combustion Engineering-Superheater, Inc.
Tempe, Arizona - To Change Boiler Baffles

7915 - See C. C. Moore & Co. Engineers -
Tempe, Arizona - Kyrene Steam Station
Brickwork and Insulation on One (1) B&W Radiant
Boiler
(X) - To Insulate Soot-Blower Piping
(Y) - Brkwrk & Insul. Rprs to Boiler Due to
Gas Explosion
(Z) - Repair Work to RB Boiler
(Z-A)- Addl. Repair Work to RB Boiler

8609 - Tempe, Arizona - Kyrene Steam Plant
Repair Boiler No. 1

NO. 801-11R U.S.A.

SALT RIVER VALLEY WATER USERS' ASSOCIATION
Tempe, Arizona

3539 - See C. C. Moore & Co. Engineers
Brickwork - Three (3) F22 Spl. AE11 Integral Furnace Boilers

4808 - Repairs to Class "F" - B. & W. Boiler Setting

5269 - See C. C. Moore & Co. Engineers
Brickwork Repairs to Class "F" B. & W. Boilers

5964 - See C. C. Moore & Co. Engineers
Brickwork and Insulation for Three (3) AP-3 Victory Ship Boilers

6020 - Renew Front Wall in B. & W. Boiler in U. S. Navy Mobile Unit (CANCELLED)
(A) - Sale of Marine Anchor Bolts

SAMPSON ENGINEERING COMPANY

409 - Shell Oil Company - Ventura
Ten (10) Los Angeles Gas Type Burners under Llewellyn Boiler

462 - Shell Oil Company - Ventura
Los Angeles Gas Type Burners for Four (4) Llewellyn Boilers

U.S.A.

SAMSON TIRE & RUBBER COMPANY

2283 - See C. C. Moore & Co. Engineers
Brickwork on Two (2) 12'-0" x $\frac{24\text{-}10}{54}$ x 20 C.D.V.H.
B. & W. Boiler

SAN BERNARDINO COUNTY HOSPITAL

6676 - See C. C. Moore & Co. Engineers
San Bernàrdino - Three (3) Class H2 No. 16 B&W
Boilers

NO. 301-11 R IP U.S.A.

SAN BERNARDINO LAUNDRY

4622 - See Southern Service Co., Ltd.
San Bernardino - Repairs to Two (2) HRT Boilers

NO. 801-11 R IP U.S.A.

CITY OF SAN CLEMENTE

10316	Repair Multi Hearth Furnace	4/78
12802	San Clemente Multiple hearth incinerator	RCN 9/82
14846	San Clemente, CA Repairs to Multi-Hearth Furnace	9-28-87

SANDBURG FURNISHING

3297 Vernon
Furnish labor & material to install
C3 concrete within angle curb area under
the drying oven

SANDE EQUIPMENT

14585	Carson Yard Install lining on three steam fire boxes .	1/87
15159	Monterey Park, CA Install refractory lining in #3 Fireboxs	8-3-88

SANDIA CORPORATION - Albuquerque, New Mexico

1359 - See Southwest Welding & Mfg. Co.
Supply labor and material to install
Pebble Air Heater Lining

SAN DIEGO, CITY OF

4447 - See Robert L. Johnson Company
Sewage Disposal Unit
Air Heater Furnace Brickwork

6619 - See Combustion Engineering-Superheater, Inc.,
Raymond Pulverizer Division
Sewage Disposal Plant - To Install Refractories
and Insulation for One (1) Air Heating Furnace

2251 - La Mesa - Labor only to make necessary
repairs to Rotary Kiln

SAN DIEGO GAS & ELECTRIC COMPANY

(Formerly: San Diego Consolidated Gas & Electric Co.)

San Diego Consolidated Gas & Electric Co.

2100 - San Diego - B. & W. Boilers #25 and #26

1962

2148 - B. & W. Boiler #24

2196 - San Diego - One (1) B. & W. Boiler

3051 - Renewing Detrick Front Wall - Furnace #28

3067 - Repairs to Furnace #25

3124 - See C. C. Moore & Co. Engineers
San Diego - Two (2) Class "F" #76 Stirling Boiler

San Diego Gas & Electric Company

3503 - San Diego - Repairs to Front & Side Walls - Furnace #23

1965

3548 - San Diego - Repairs to Detrick Wall - Boiler #28

3604 - San Diego - Repairs to Front Walls - Furn. #21 &27

3628 - San Diego - Furnace #24 Repairs

3632 - See C. C. Moore & Co. Engineers
San Diego - One (1) Class 25 Spl. AE21 Integral Boiler

3645 - San Diego - Tylox Wall Furnace #26

3692 - San Diego - Rebuild Front Wall - Boiler #25

3702 - San Diego - Furnace #23 Repairs

3758 - See C. C. Moore & Co. Engineers
San Diego - Silver Gate Station
Two (2) Special F25AB17 Boilers

3794 - San Diego - Sta. "B" - Boiler #25 Repairs /#28

1966

3818 - San Diego - Sta. "B" - Repairs to Furnaces #24 and

3919 - San Diego - Repair Furnace #28 Front Side Piers

4001 - San Diego - Sta. "B" - #27 Furnace Lining Brick-work Repairs

4085 - San Diego - Sta. "B" - #21 Boiler Furnace Brick-work Repairs
(A) - Replace Burner Tile in Furnace #26

4202 - San Diego - Sta. "B" - Furn. #28 Burner Tile

(contd.)

SAN DIEGO GAS & ELECTRIC COMPANY (contd.)

1967

4280 - San Diego - Replace Rear Wall of Boiler #27
(A) - Replace Rear Wall of Boiler #28

4359 - San Diego - Sta. "B" - Boiler #25 Brickwork Reprs.

4411 - San Diego - Sta. "B" - Boiler Furnace #23 Brickwork Repairs

4437 - San Diego - Silvergate Sta. - Boiler Baffle Alterations - Furnaces #1 and #2

4438 - See C. C. Moore & Co. Engineers
San Diego - Silvergate Sta. - Boiler Brickwork Alterations

4605 - San Diego - Sta. "B" - Rebuild Two (2) Furnaces - #21 and #24

4888 - San Diego - Sta. "B" - Furnace Brickwork Repairs to #25 Furnace
(A) - Brickwork Repairs to Furnace #26
(B) - Brickwork Repairs to Furnace #27

1968

5191 - San Diego - Rebuild Front Wall in Boiler #25

5265 - San Diego - Sta. "B" - Boiler Furnace #23 - Brickwork Repairs to Front Wall

5446 - San Diego - Furnace #24 Brickwork Repairs
(A) - Rebuild Front Wall and Two (2) Front Side Piers - Furnace #21
(B) - Furnace #28 Repairs
(C) - Furnace #25 - Rebuild Front Wall
(D) - Furnace #23 Repairs

1969

5589 - San Diego - Sta. "A" - Gas Generator #7 Brickwork Repairs

5631 - San Diego - Gas Plant, 10th & Imperial
Brickwork on Dome of Generator

5742 - San Diego - Sta. "B" - Boiler #26 Brickwork Rprs.

5885 - San Diego - Sta. "B" - Boiler #23 - Furnace Brickwork Repairs
(A) - Repair Boiler #26

5930 - San Diego - Sta. "B" - Furnace #25 Repairs

6039 - San Diego - Boiler #21 - Furnace Brickwork Reprs.
(A) - Boilers #24 and #27

(contd.)

SAN DIEGO GAS & ELECTRIC COMPANY (contd.)

1970 6084 - San Diego - Silver Gate Station - Two (2)
F25AB25 B. & W. Boilers - Brickwork
(A) - Premium Wages for Saturday Work
(B) - Metal Lath Work
(C) - To Line Metal Hoppers
(D) - Brick Up Around Doors
/EXTRA - See C. C. Moore-- Install Baffle Tile at Mud Drum, as directed.

6270 - San Diego - Station "B"
Furnace Brickwork Repairs - Boiler #27

6336 - San Diego - Silvergate Station
Boilers #1 and #2 - To Rebuild Burner Wall

6362 - San Diego - Gas Plant -
Repairs to Gas Generator

6367 - San Diego - Station "B" - Boiler #25 Repairs

1971 6421 - San Diego - Boiler #28 - Furnace Brickwork Repairs
(A) - Boiler #21 - Brickwork Repairs

6554 - San Diego - Station "B" - To Repair Boiler #24

6579 - San Diego - Silver Gate Station -
Boilers ~~#1 and~~ #2 - Burner Wall Repairs
(A) - Boiler #1 Burner Wall Repairs

6648 - See C. C. Moore & Co. Engineers
San Diego - Silver Gate Station
To Install Superheater Baffles in Boilers #3 and #4

6704 - San Diego - Station "B" -
Boiler #27 - Burner Wall Replacement

7003 - See The Robert L. Johnson Corporation
San Diego - Silver Gate Station
Boilers #1 and #2 - Baffle Repairs

1972 7252 - See C. C. Moore & Co. Engineers
San Diego - Silver Gate Station -
To Replace Small Amount of Insulation at Superheater and Economizer Section of New B. & W. Radiant Boiler

8163 - See C. C. Moore & Co. Engineers
San Diego - Silver Gate Power Plant
To Repair B&W RB94 Boiler #5

(contd.)

SAN DIEGO GAS & ELECTRIC COMPANY

9237 - See C. C. Moore & Co. Engineers
Carlsbad - Encino Steam Plant
Repair B&W Boiler Damaged by Explosion

1028 - See C. C. Moore & Co. Engineers
Carlsbad - Labor & Material to Remove & Replace
Insulation where Barrier Plates Installed Unit #3

3686 Riley Stoker Corp (Worcester, Mass.)
Chula Vista Station Unit #3
Refractory and insulation alterations

9977 Carlsbad - Install Refractory Lining on #5 Boiler at Encino Power Plant 9/77

"A" Extra Work

SAN DIEGO MARINE CONSTRUCTION CO.

1109 San Diego -US. S. "Whitstone" (LSD27)
Repairs to Boilers #1 & #2 (Labor Only)

SAN DIEGO STATE TEACHERS COLLEGE

3464 - See Associated Piping & Engineering Co.
San Diego - One (1) Kewanee Boiler

3527 - See State of California
San Diego - Line Two (2) Low Pressure Boilers

SANITARY LAUNDRY

5906 - See Southern Service Company, Ltd.
Pomona - Repairs to Boiler Brickwork

8606 - See Southern Service Company, Ltd.
Pomona - Repair Settings on Two (2) Erie City Boilers

SAN MANUEL COPPER CORPORATION

8443 - See C. C. Moore & Co. Engineers
San Manuel, Arizona - Labor only to Install Refractories and Insulation for One Separately Fired Air Heater
(A) - To Unload Brick

8445 - See C. C. Moore & Co. Engineers
San Manuel, Arizona - Labor only to Install Refractories and Insulation in Two B&W Waste Heat Boilers

8472 - See Utah Construction Company
Stearns-Roger Manufacturing Co.
San Manuel, Arizona - Install Insulation on Balloon Flue
~~(A)~~ - (Fireproof Underside of Smelter Floor Area, and Holding Furnace Area
(B) - (Insulate Slag and Matte Track Roofs
(A) - Install Insulation on Sulphur Tank Tops

SAN PEDRO, CITY OF

See Morse Boulger Destructor Co.

8542 - San Pedro - Repair Checker Work in Incinerator

(A) - Construct 9" Baffle in Flue at Stack Entrance

SAN PEDRO DRY KILN COMPANY

5902 - San Pedro - Repairs to Boiler

6170 - San Pedro - Boiler Repairs

SAN PEDRO LUMBER COMPANY

7199 - San Pedro & Wilmington Road - San Pedro
Repairs to Incinerator

SAN PEDRO TUGBOAT CO.

3219 San Pedro
SS "Sea Lion"
Repair fire box in galley stove

SANTA ANA ARMY AIR BASE

4161 - See Hickman & Ritter
To Construct Brick Firebox for One (1) #578
Kewanee Boiler

SANTA ANA LAUNDRY - Santa Ana

4023 - See Southern Service Co., Ltd.
Repairs to HRT Boiler Brickwork

4271 - See Southern Service Co., Ltd.
Brickwork to Rear End of #1 Boiler

4397 - See Southern Service Co., Ltd.
Brick Setting for 72" x 18'-0" HRT Boiler

5375 - See Southern Service Company, Ltd.
Brick Setting for One (1) 250 h.p. Llewellyn Blr.

SANTA ANA UNIFIED SCHOOL DISTRICT

2785 -	Santa Ana - Repairs to Hedges-Walsh Boiler #2

SANTA ANITA POTTERIES

6599 - Los Angeles 41 - To Construct Refractory and Insulation on One (1) Robertson Company Tunnel Kiln and for 36 Kiln Car Tops

(X) - To Install Rowlock Course on Top of Present Walls of Robertson Kiln

6769 - Los Angeles 41 - To Repair Lining in Firebox of #1 Tunnel Kiln

7120 - Los Angeles 65 - To Construct One (1) Air Heater

SANTA BARBARA CEMETERY ASSOCIATION

7613 - Santa Barbara, Calif. - To Construct One (1) Double-Chamber Moore Crematory Retort

8761 - Santa Barbara - Brickwork Repairs to Cremation Retorts

1333 - Santa Barbara - Repairs to Cremation Retorts

1367 - Santa Barbara - Construct Third Crematory Retort

2881 - Santa Barbara - Repairs to #3 Crematory Retort

SANTA BARBARA COTTAGE HOSPITAL

2426 - See C. C. Moore & Co. Engineers
Santa Barbara - One (1) Single HIII #14 Stirling Boiler

3095 - Santa Barbara - Brickwork Repairs to Boiler #3

5262 - See C. C. Moore & Co. Engineers
Santa Barbara - Brickwork - One (1) Class H2 No. 13 Stirling Boiler

5564 - See C. C. Moore & Co. Engineers
Santa Barbara - Boiler Brickwork Repairs
One (1) Class H-3 No. 14 Stirling Boiler

6709 - See C. C. Moore & Co. Engineers
Santa Barbara - Brickwork Repairs to One (1) Class H3 No. 14 B. & W. Boiler

SANTA MONICA, CITY OF

9643 - Santa Monica - Repair Four Incinerator Floors

9737 - Santa Monica - Labor and Material to Construct Two (2) Incinerator Spray Chamber Ceilings

SANTA YNEZ INN

8210 - See Roscoe Industrial Incinerator Co.
Pacific Palisades
Construct One 150 lb. Refuse Incinerator

SARCHESHMEH COPPER MINING

8995	Iran - PARSONS-JURDEN INTL. Supply 2 Sets of 6 Burners each for Copper Reverb Furnace	10/75
"A"	Supply 3 Anode & Holding Furnace Burners	

SARGENT INDUSTRIES

8411	Huntington Park Repair chromic acid tank	8/74

SASCHA BRASTOFF PRODUCTS INC.

8089 - Los Angeles (11520 West Olympic)
To Drill Hole in Ball Mill

SAWTELLE LUMBER & PLANING CO.

8205 - Los Angeles - Labor and Material to
Reline One Lumber Incinerator

SCHAFFER GRINDING COMPANY

3095 - A. M. Castle Company
Vernon
Lengthen N.G.E. Furnace

JOSEPH SCHLITZ BREWING COMPANY

7941 - See Combustion Engineering, Inc.
Raymer, California - Settings for Three (3)
7.5 (VU10) 16B C-E Boilers

7971 - See P. J. Walker Company, Los Angeles -
Grains and Yeast Drying Bldg. - Brickwork for
Two (2) Heil Grain Dryers

5769 Van Nuys 6-25-69
Refractory repairs to # 2 Boiler

6309 Van Nuys 6/70
Repair Boiler # 1

7031 Van Nuys 1/72
Repair #3 Boiler

7059 Van Nuys
Repair #2 CE Vertical Unit Boiler 2/72

7075 Van Nuys
Repairs to #1 CE Boiler 2/72

SCHNEIDER INC

13710	Hyperion Energy Plant El Segundo Ca Material and Labor to Line 3 Fluid Bed Combustion and Afterburner	11-84
14208	**Puente Hills** **Refractory linings for two** **Zurn Boilers**	**1-15-86**
14503	**Whittier** **Puente Hills Landfill** **Repair boiler**	**11/86**
14539	**Playa Del Rey** **Repairs to stack at C-11**	**12/86**
15098	Carson Yard Install 3 backup man-way plugs 26" dia.	6-13-88

SCHULTZ STEEL COMPANY

7455 Maywood

Design and construct one 8 x 25 carbottom forging furnace. 12/72

SCHULTZ, W. F. H., INC.

3639 - (Cancelled)
See C. F. Braun & Co.
Superheater

4179 - Swift & Co. - Vernon
Hydrogen Generator Repairs

3833 Arizona Chemcopper
Bagdad, Arizona
Unload material
(A) Construct reformer heater linigg

NO. 801-11 R IP U.S.A.

SCHUMACHER WALL BOARD CORP.

2262 - Pacific Abrasive Supply Co.
Repairs to Two (2) Air Heating Furnaces

3365 - See Leland Rosener
Air Heating Furnace

3391 - See Leland Rosener
Air Heating Furnace for #2 Calcining Unit and Stack Extension

3436 - Air Heating Furnace for Calcining Unit #3

3481 - Cylindrical Air Heater and Breechings

3660 - South Gate - Calcining Furnace #4.

3984 - South Gate - Repair #4 Calciner

4200 - South Gate - Repairs to #2 Air Heater in Calcining Mill

4236 - South Gate - Repairs to #1 Calcining Furnace

4268 - South Gate - Repairs to #3 Calcining Furnace

4293 - South Gate - Repairs to Breeching on #4 Furnace

5487 - South Gate - Brickwork Repairs to Dryer Furn. #2

SCHURS OIL BURNER COMPANY

5846 - Repairs to Dutch Oven at General Refractories Company's Plant - Vernon

(A) - Install Burner Block for Furnace at Schurs' Plant, - Vernon

See

SCIENTIFIC COMPONENTS INC. (Formerly GLASS PRODUCTS CO)

1382 - Santa Barbara
Labor to install refractories in Glass Melting Furnace

(A) - Labor and material to install Insulating Fire Brick Lining burner roof panel & removable covers

NOW - INTELLUX, INC

SCOFIELD COMPANY, L. M.

5970 - United Airlines - Mines Field - Los Angeles
Repairs to Incinerator

6015 - Bullock's Dept. Store - Pasadena
Repairs to Morse Boulger Incinerator

11322 Compton 12/79
Nec. repairs to plug 102

11953 ARCO 1/81
Carson
Repairs to #52 vacuum heater

SCOTT RIGGING CO (Henderson, Nevada)

6335	Titanium Metals Co Henderson, Nevada Design and supply one launder heater unit	7/70
6567	Design and supply onelaunder heater unit andfurnish misc. N.Amer. parts.	1/71

SCOTT-HASTORF-NETTLES

6649 - Park LaBrea Housing Project - Los Angeles
54 Kewanee Boilers, Type "C" 7L82

NO. 80-11 R ... PRINTED IN U.S.A.

SCRIVER & QUINN

3243 - Los Angeles - To Line Ball Mill

3647 - Repairs to 36" x 48" Ball Mill

5367 - Los Angeles - Reline Ball Mills

5488 - Los Angeles - Reline Pebble Mills

SCUDDER FOOD PRODUCTS

2844 - See Natural Gas Equipment Co.
Potato Chip Furnace

2837 - Peanut Roaster

SEAGE, J. B., INC.

8798 - South Gate - Labor Only to Install Insulation on Despatch Oven

SEALAND SHIPPING

6069	"SS Warrior" - Long Beach Repair Starboard Boiler	1/70
6378	Long Beach S S San Juan Repairs to port Boiler	
6765	"SS Brooklyn" Long Beach Repair Starboard Boiler	6/71
6807	San Pedro "SS Houston" Repair Port and Starboard Boilers	7/71
6873	San Pedro "SS Boston" Port + Starboard Boiler	9/71
7279	Long Beach "SS Panama" Repairs to starboard boiler	7/18/72

Cavanaugh machine works, Wilmington

SEARS, ROEBUCK & COMPANY

2823 - Incinerator Repairs

5411 - See Lohman Bros.
Los Angeles - Vermont & Slauson
Brickwork for Two (2) Brownell #268 Boilers

6129 - See Lohman Bros.
Los Angeles - Slauson & Vermont
Repairs to Incinerator Doors

6285 - See Lohman Bros.
Long Beach - Brick Settings for One (1) ~~Brownell~~ ~~48" x 12'-0" HRT Boiler and Two (2)~~ Brownell S-266 Boilers,
(A) - One (1) Brownell S-266 Boiler
(B) - One (1) Brownell 48" x 12'-0" HRT Boiler,

6610 - See Morse Boulger Destructor Co.
Santa Ana - To Construct One (1) Model 8-R Destructor

7526 - See Kenneth Fraser Company, Inc.
San Diego, Calif. - Settings for Two (2) Pacific Firebox Boilers and Breeching

SEASIDE OIL COMPANY

4475 - See Howes & Whitaker
Ventura - Brickwork and Insulation Enclosure for One (1) Fired Oil Heater, and Insulation of Header Boxes

9087 - Ventura - One (1) Sweco Portable Oil Still & Foundation

9750 - Ventura - Labor and Material to Repair Asphalt Heater
(A) - Repairs to Flue Gas Ducts

NO. 401-11 R 4P U.S.A.

SEAVEY, T. H.

3925 - 2912 Ross, Alhambra, California
Red Brickwork

SECHRIST & KELLY CONSTR. CO

9185	Stauffer Chemical-Dominguez Furnish & Install Acidbrick Lining on Deionizer Foundation.	3/76
"A"	Add Additional Piers	4/76

13771	Sechrist and Kelly/Rockwell Int'l Paramount Ca Furnish and Install Lining in Removable Oven	12-84

SECURITY ENGINEERING DIVISION
Dresser Operations, Inc.

8091 - Whittier - To Reline 5 Electric Salt Pots &
2 Electric Draw Furnaces
(A) - Brickwork and Insulation Repairs to One Salt Pot
(B) - To Reline Salt Pot
(C) - To Reline Salt Pot

SEELEY, MISS

321 - Fireplace

U.S.A.

SELAS CORPORATION

3041 WILSHIRE OIL COMPANY
NORWALK
Labor and material to line R-H-1 Fired Heater.
A - Supply 1800sqft 1½" hex type #316 SS Wire Netting.
B - To install wire in stack and breeching of R-H-1 Fired Heater

5536 STANDARD OIL CO 1/69
EL SEGUNDO
Necessary field installation of refractory.

6431 STANDARD OIL CO 10/70
EL SEGUNDO
Repair insulation on upper tube seal casting on Selas furnace.

8591 EL SEGUNDO 12/74
Repairs to 2 units damaged in shipment

8704 STANDARD OIL CO- El Segundo 2/75
Repair to Selas Heater.

8986 STANDARD OIL CO-El Segundo 10/75
Repairs to Selas Heaters

9118 DOWNEY GLASS/SELAS CO 1/76
Commerce-Nec Repairs to Selas Furnace

9299 STANDARD OIL-El Segundo 6/76
Repairs to Selas Furnace

10329 J T THORPE CO/AMERICAN CYANAMID
Westwego, Louisiana - Install Refractory 4/78
Lining in Reformer Furnace

SENTRY STEEL & WIRE

~~9487 Fullerton Caustic Tank Emersion Heating System 10/76~~ Cancelled 6/77

SERCO ALUMINUM CO.

4052 Los Angeles
Furnish Comb. equip. for homogenizing furnace.

A) Furnish additional material

SESLER AND CAFFEY INCORPORATED

3913 Douglas Oil Co
Paramount
Labor and material to repairs on H-2, H-3 and H-4 furnaces.
A) Fireproof skirts on columns V6 and V8

4037 Douglas Oil Co.
Paramount
Install castable refractory in heater H-1 stack, damaged in shipment.

SF PACK COMPANY INC

9483	Valley Nitrogen - El Centro	10/76
	Burner Conversion on Erie City Boiler #13	
"A"	Supply Burner Cas;ing	11/76
"B"	Extra Labor & Materials	

Formerly under N.L. Rig
SHAFFER N.L.,

12417	Brea, CA	12/81
	Supply one 12Ft dia refractory lined furnace base	GDN

SHAFFER TOOL WORKS

2850 - Oven Furnace Repair

3079 - Santa Fe Springs - Turbo Blower

SHANLEY GASOLINE COMPANY

2373 - Long Beach - One (1) Tube Still 19'-0" x 6'-0" x 8'-0"

SHELL CHEMICAL CORPORATION

Formerly: Shell Chemical Company
Shell Chemical, Division of Shell Union Oil Corp.

NO. 801-11 R HP U.S.A.

Shell Chemical Company

2938 - Dominguez - Three (3) Pipe Still Furnaces

2960 - Dominguez - Repairs to Acid Tank

3226 - Dominguez - Repairs to Acid Concentrator

3254 - Repairs to Concentrator Lining

3260 - Dominguez - Repairs to Furnace Brickwork

3271 - Dominguez - Repairs to 3rd Ketone Furnace

3276 - Dominguez - Install Oil Heating Furnace

3641 - Wilmington - Tube Supports for Three (3) Furnaces

4042 - See O. G. Kelley Company
For M. W. Kellogg Company
Torrance - Acid Brickwork

4055-A - Dominguez - Mantius Acid Concentrator Brick Repairs
(B) - Reline Acid Concentrator Sump

4076 - Defense Plant Corporation
M. W. Kellogg Company - Torrance
Brickwork and Insulation of Two (2) Gas Fired Superheating Boilers B-201A and B-201B

4090 - Defense Plant Corporation
M. W. Kellogg Company
Torrance - Brickwork and Insulation of Two (2) Butene Preheater Furnaces B-202A and B-202B

Shell Chemical, Division of Shell Union Oil Corp.

4300 - See Rubber Reserve Company
Torrance - Boiler #2 Furnace Brickwork Repairs

4333 - See Rubber Reserve Company
Repairs to Insulation Lining in Two (2) Reactors

4336 - Dominguez Refinery - Repairs to Burner Brickwork in Furnaces:- #1 and #2 DMK Converters & Hot Oil

4351 & (A) - See Combustion Engineering Co., Inc.
Defense Plant Corporation
Insulation of Furnace Pipes (contd.)
(contd.)

SHELL CHEMICAL CORPORATION (contd.)

Formerly: Shell Chemical Company
Shell Chemical, Division of Shell Union Oil Corp.

Shell Chemical, Division of Shell Union Oil Corp. (contd.

4351 - (continued)
(B) - Install Plastic Fire Brick Walls in Superheater #201-A
(C) - Patch Brickwork above Superheater "B" Windbox

4362 - Rubber Reserve Company
Los Angeles - Torrance Plant - Boiler Repairs

4513 - See R. F. C., Office of Rubber Reserve
Los Angeles - Reinsulate Reactors 201-B and 202-B

4524 - See Rubber Reserve Company
Los Angeles - Torrance Plant
Rebrick Lining in Boiler No. B-501B

4530 - Rubber Reserve Company
Los Angeles - Torrance Plant
Repairs to Insulation Lining in Lower Side Walls of Reactors D-201A and D-202A

4561 - See Rubber Reserve Company
Los Angeles - Torrance Plant - Repairs to American Arch, Seal Off Floor and Caulk Expansion Joints in Superheater B-201A

4627 - See Rubber Reserve Company
Los Angeles - Torrance Plant
Repairs to American Arch, Seal off Floor and Caulk X-Joints of Superheater Unit B-201-B

4712 - See Rubber Reserve Company
Los Angeles - Torrance Plant
Repairs to Rear Wall in Boiler #4

4833 - See Rubber Reserve Company
Los Angeles - Torrance Plant
Yarrow Boiler #6 Brickwork Repairs

4859 - See Rubber Reserve Company
Los Angeles - Torrance Plant - Renew Rear Wall and Side Walls of #1 Yarrow Boiler

4941 - See Rubber Reserve Company /Repairs
Los Angeles - Torrance Plant - Butadiene Htr. B-202A
(A) - B-201-B Superheater Repairs to Roof Arch

(contd.)

SHELL CHEMICAL CORPORATION (contd.)

Formerly: Shell Chemical Company
Shell Chemical, Division of Shell Union Oil Corp.

Shell Chemical, Division of Shell Union Oil Corp. (contd.

4960 - See Rubber Reserve Company
Los Angeles - Torrance Plant
Repairs to #2 Yarrow Boiler

4986 - See Rubber Reserve Company
Los Angeles - Torrance Plant - Renew Side and Rear Wall #5 Yarrow Boiler

5021 - See Rubber Reserve Company
Los Angeles - Torrance Plant
Rebrick #8 Yarrow Boiler

5069 - Dominguez - Repairs to Acid Concentrator

5078 - See Rubber Reserve Company /Blr.
Los Angeles - Torrance Plant - Repair #7 Yarrow

5294 - Dominguez - Patch Floor of D. M. K. Converters #F-1 and #F-2

5358 - See Rubber Reserve Company
Los Angeles - Torrance Plant
Replace Tube Baffle Tile in B-201-B Superheater Furnace
(A) - Replace Roof Tiles and Insulation on B-201-A Superheater

SHELL CHemical Corporation

5372 - See R. F. C., Office of Rubber Reserve
Los Angeles - Torrance Plant
Brickwork Repairs to #6 Yarrow Boiler
(A) - Repairs to #2 Yarrow Boiler
(B) - Repairs to #4 Yarrow Boiler
(C) - Rebuild Rear Wall #7 Boiler

5424 - Dominguez - Acid Brickwork Repairs on Acid Cooling Tank #T-74

5485 - Dominguez - Repair Acid Tank #74

5546 - Reconstruction Finance Corp.
Los Angeles - Torrance Plant
Yarrow Boiler #5 - Furnace Brickwork Repairs
(A) - Renew Brick Lining in Yarrow Boiler #3
(B) - Yarrow Boiler #6 Repairs

(contd.)

SHELL CHEMICAL CORPORATION (Contd.)

5738 - See R. F. C., Office of Rubber Reserve
Torrance Plant - Los Angeles
Repairs to Flat Suspended Arch on Superheater Furnace B-201-B

5775 - Los Angeles - Torrance Plant
Reinsulate One (1) Reactor D-201-B

5799 - Dominguez - Acetone Furnaces - Brickwork Repairs

5907 - See Reconstruction Finance Corp.
Los Angeles - Torrance Plant /heater
Replace Roof Tiles and Insulation on B-201-A Super-

5929 - See C. F. Braun & Co.
Dominguez - Install Acid Brick in Tank T-77 and in Karbate Cooler Area

5945 - Dominguez - Temporary Repair to Acid Brick Lining on Tank No. F-74

6000 - Dominguez - Repairs to Acid Brick Lining

6273 - Dominguez Refinery - #1 DMK Furnace -
To Remodel Brickwork to Install Five (5) Coppus "Fanmix" Burners, and Misc. Brickwork Repairs

6330 - Dominguez - To Install a $4\frac{1}{2}$" thick Acid-Proof Brick Lining in 17'-4" dia. x 11'-0" high Tank

6331 - Dominguez Alcohol Plant
To Construct No. 3 DMK Furnace F-4

6342 - Dominguez - #2 DMK Furnace F-2
To Remodel Brickwork and to Install Five (5) Coppus "Fanmix" Burners

6382 - Domingues - To Install Five (5) "Fanmix" Burners in No. F-4 MEK Furnace; and to Repair Brickwork--Rebuilding Bridge Wall and Installing New H_2S Burner Port--in above Furnace

6502 - Dominguez Refinery - To Install Acid-Proof Brick Floor and Trench Paving for the Concentrator and the Acid Manifold
(A) - Acid Brickwork - Karbate Cooler Concentrator
(B) - To Repair Brick Floor under Concentrator

(contd.)

SHELL CHEMICAL CORPORATION (contd.)

6635 - Dominguez - To Install One (1) H_2S Burner in Acetone Furnace #4; and One (1) Peephole Opening in Each of Furnaces #1, #2, and #3

6902 - Dominguez - To Rebuild Oil Heating Furnace 4'-0" x 7'-9"
(A) - To Install Acid-Proof Brick in Acid Tank #72
(B) - Reactor Plant Paving and Acid-Tank Repairs

6976 - Agent for Reconstruction Finance Corporation, Office of Rubber Reserve--Torrance Butadiene Plant Los Angeles - To Patch Up Boilers #3 and #4
(A) - Superheater Furnace - Brickwork Repairs, B201A &-B
(B) - Butylene Heater - Brickwork Repairs, B-202-A & -B
(C) - To Repair Reactor

6988 - Agent for Reconstruction Finance Corporation, Office of Rubber Reserve--Torrance Butadiene Plant Los Angeles - To Rebrick Eight (8) Yarrow Boilers
(A) - Brick Seal

7126 - Dominguez - Necessary Repairs to Acetone Furnace DMK #1

see Reconstruction Finance Corporation
7235 - Torrance - To Repair Combustion-Engineering Superheater
(A) - To Repair East C. E. Superheater

see Reconstruction Finance Corporation
7388 - Torrance - Necessary Miscellaneous Brickwork and Insulation Repairs to Superheaters and Boilers

7487 - Dominguez - To Furnish Labor only to Line Concrete Pit with Acid Brick
(A) - To Repair Acetone Furnace #1 D.M.K.
(B) - Replace Brick in Floor Where (2) Foundations were removed
(C) - Repair Brickwork Leak in Tank #72

See → Reconstruction Finance Corp.
7575 - Torrance - Necessary Repairs to Two (2) C. E. Superheaters

7641 - Dominguez - To Repair Acid Concentrator

7665 - Dominguez, Calif. - Brickwork Repairs to Hot-Oil Furnace
(A) - To Remove the Top of Hot Oil Furnace

see The M. W. Kellogg Company
7708 - Ventura, Calif. - F-101 Reformer Furnace &
(A) - F-301 Starting Heater
(B) - Quench Chamber

7711 - See Reconstruction Finance Corporation - Los Angeles - To Repair "A" Side of Superheater
(A) "B" Superheater
(B) #3 Boiler

SHELL CHEMICAL CORPORATION (contd.)

7730 - Dominguez - To Rebrick Hot-Oil Furnace

7819 - See Reconstruction Finance Corp.
Torrance - Repairs to Reactors D-202-A and D-202-B
(A) Reprs. to Linning of Reactor
7859 - See RFC - Torrance - Repair Superheater "B"

7927 - Dominquez - To Repair Paving
(A) - To Pave Concentrator Blowdown Pit to Chem. Sewer
(B) - Brickwork Repairs Around Manhole in Concentrator

8036 - Dominquez - Brickwork Repairs to Trench at Tank #73
(A) - Neces. Brickwork for Sump Holes
(B) - Repair #2 Acetone Furnace
(C) - To Install Acid-Brick Path
(D) - Lay Paving Brick in Trench

8179 - Domingueq - Repairs to #2 D.M.K. Heater
(A) - Repair Pipe Trench for Acid Rundown Line

8406 - See Federal Facilities Corporation
Los Angeles - Repair Work on Superheater D-201-A

8195 - See Federal Facilities Corp, Office of Synthetic Rubber - Los Angeles - Torrance Plant
Reactor D-201-A - Refractory & Insulation Repairs

8543 - Dominguez - Patch Brickwork in Tank #72

8546 - Torrance - Remove and Replace Insulation on Second Pass Baffle on D-201 "A" Side of Superheater and to Install Thermocouples on D-201 "B" Side of Superheater

8603 - Dominguez - Acid-brick Lining in 17'-6" dia. x 15'-0" high Lead-lined Steel Tank

8692 - Ventura - Provide 75 ft. of Broken Fire Brick

8728 - Los Angeles - Butadiene Plant
(1) Remove and Replace Insul. & Brkwrk. covering Top Portions of First & Second Pass Tubes of "B" Superheater
(2) Repair Brickwork in "A" and "B" Superheaters as necessary.

(contd.)

SHELL CHEMICAL CORPORATION (contd.)

8775 - Dominguez Plant - Dominguez
Labor Only to Repair Acid-Brick Pad at the Acid Concentrator Plant

8866 - Torrance - Reline Reactor A-201-A
(A) - Repair Reactor A-201-B

8899 - See Combustion Engineering, Inc.
Torrance - Furnish Labor and Material to Perform Work as Directed on Superheaters A & B

8902 - Torrance - Repairs to "A" and "B" Superheaters

8926 - Dominguez - Repairs to #1 Acetone
(A) - Repairs to DMK Furnace Roof
(B) - Repairs to #2 Acetone Furnace
(C) - Replace Brk in Floor at Reactor
(D) - Repair Brick Paving at Reactor Plant

9002 - Ventura - Build $2\frac{1}{2}$ million B.t.u. Air Heater

9219 - Dominguez Plant - Repair Center Column of Acid Concentrator
(A) - Repairs to Acid Concentrator

9223 - Torrance - Repairs to F-201-A Superheater

9249 - Torrance - remove & Replace Insulation on First Pass Tubes of "A" Superheater; & Neces. Brickwork
(A) - Respace Tile in Floor, "A" Superheater

9273 - Ventura (In Thorpe's L. A. Yard)
Construct One (1) 5-million B.t.u./hr Air Heater
(A) - Supply 3-million B.t.u./hr Air Heater to be moved from Wilshire Oil Co., Norwalk plant to Ventura and Remodelled.

9514 - Dominguez - Repairs to #F4 Acetone Furnace

9543 - Ventura - Repairs to Reformer Furnace

9606 - Dominguez - Repairs to Slab Adjacent to Drainage Ditch at Reactor Plant

9771 - Dominguez - Repair Brickwork in Dome of Concentrator
(A) - Relocate Brick Piers and Install New Piers in Reboiler Acid Line Trench

(contd.)

SHELL CHEMICAL [redacted] (contd.)

9812 - See C. C. Moore & Co. Engineers
Torrance - Repairs to FF15 #24 B&W Boiler

9969 - Torrance - Remove & Replace Brickwork & Insulation on Pass Tubes of "B" Superheater & Repair Brickwork in Firebox of "A" and "B" Superheater

9981 - Torrance - Repairs to F202-B Furnace

1010 - Dominguez - Install Carbon Brick in Stripper Bottom

1078 - Ventura - Repairs to Reformer Furnace
(A) - Renew Floor in West Boiler
(B) - Point Up Joints in Quench Section of Reformer Reactor

1171 - Dominguez - Repairs to Lead Lining of #5 Acid Reboile
(A) - Remove & Replace Carbon Brick in 5th Reboiler to allow repairs to lead lining.

1216 - Dominguez - Labor only to line One Lead Lined Stripper Bottom #30 with Carbon Brick & Lecite Cement
(A) -Remove & replace carbon brick in 5th Boiler to allow repairs to lead lining.
(B) Remove & Reinstall carbon brick in Acid Reboiler.
(C) Repair Leak in #5 Reboiler

1268 Ventura - Lining for Fire Boxes for 3 Lucey Boilers

1269 -Torrance - Repairs to Boiler F 1004

1281 -Dominguez - Remove & Reinstall Acid Brick in Mantius Acid Concentrator
(A)- Labor to close manways on #5 Reboiler

1334 - Ventura - Install Firebox on Two (2) Lucey Boilers

1393 - Dominguez - Necessary repairs to 5th Reboiler
(A) - Repairs to #4 and #5 Reboiler

1401 - Torrance - Repair Arch on "A" Butylene Heater F202A

1423 - Dominguez - Necessary repairs to Concentrator
(A) - To repair Reboiler (C)Repair Sewer Manhole
(B) - Line Stripper Bottom #29 (D)Rpr 5th Stripper Reboiler

1427 - Torrance - Repairs to Brickwork in Superheater #F201A

1436 - See C F Braun & Co - Torrance - Acid Proof Trenches & Sumps
(A) - Repairs to Acid brick work

1463 - Torrance - See C C Moore & Co - Brickwork & Insulation for B & W PFI 22-16 Boiler
(A) - Rental of Scaffolding

SHELL CHEMICAL CO[redacted] (Continued)

1464 - Dominguez - See Wonderly Construction Co.
Acid Brick Paving

1493 - Dominguez - Line Stripper Bottom #32

1514 - Torrance - Necessary repairs to #8 Yarrow Boiler
(A) - Necessary repairs to #3 Boiler

1536 - Dominguez - Repair #5 Reboiler
(A) - Repairs to #4 Reboiler Replace Carbon Brick
(B) - Repair Brickwork as necessary in #4 Reboiler
(C) - Repairs to Reboiler

1551 - See Ehrhart & Associates, Inc
Torrance - Labor only to install Refractories
& Insulation for One FW Boiler
(Extra) - Material required to complete Installation.
(A) - Necessary repairs to furnace

1591 - See Morick Construction Co - Dominguez
Labor and Material to Fireproof Vessel Skirt

1654 - Dominguez - Necessary repairs to Concentrator

1659 - Ventura - Install Thermowell in Combustion Chamber
C-101 and make necessary repairs to Quench
CANCELLED Chamber V-103

1687 - Torrance - Necessary repairs to "A" Superheater

2046 - Torrance - Repairs on Boiler F1004

2053 - Torrance - Labor and material to repair Acid
Brick Lining in Trenches and Pit

SHELL CHEMICAL COMPANY (Contd)

2119 - See Ehrhart & Associates, Inc
Torrance - Install Refractories and Insulation on One (1) Foster Wheeler Boiler

2187 - Torrance - Labor and material to repair A-201-B Reactor

2224 - Torrance - Necessary repairs to "B" Superheater

2243 - Torrance - Necessary repairs to Foster Wheeler Heater

2269 - Torrance - Repairs to Murray Iron Works Package Boiler # F511

2512 - Torrance - Repairs to Damaged Brickwork in F-202B Butylene Heater

2570 - Torrance - Repairs to #F-201A Superheater

2612 - Dominguez - Labor and material to repair Center Tube Support on #3DM Furnace

2742 - Torrance - Rebuild Arch on "B" Butylene Heater F202A

2752 - Torrance - Remove and replace Insulation on F-201-B Superheater Outlet Header

2916 - Dominguez
Repairs to #3F Furnace

2947 - Ventura
Necessary repairs to Furnaces C-101, V-103 and F-101

3013 - Torrance
Repairs to F-1006 Boiler

3030 - Torrance
Necessary repairs to "A" Super Heater

COMPANY
SHELL CHEMICAL CORPORATION (Contd)

3074 - Torrance
Repairs to F-2303 Foster Wheeler Furnace

3080 - Torrance
Labor to remove bricks and repair Reactor

3198 - Vermont Ave.
Repair F1004 Boiler.

3237 Torrance
Necessary repairs to F201 B Super Heater

3239 Torrance
Labor only furnished for repairs to Reactor #

3286 Dominguez
Necessary repairs to #2F Furnace

3290 Dominguez
Repairs to Acid concentrator

3429 Torrance
Repairs to boiler #1008

3433 PRITCHARD PRODUCTS CORP
Ventura
Install sulphur-free refractory lining in V-702 secondary reformer; secondary reformer outlet duct and breeching between primary reformer F-701; and waste heat boiler F-702.

3462 Torrance
Rebuild combustion chamber on one White-Forster Marine Boiler

3541 Dominguez
Repairs to #4 Acetone Furnace

3561 Torrance
Renew furnace side walls on one B & W FF15 #24 Boiler

SHELL CHEMICAL COMPANY

3604 Ventura
Labor and material to design and install insulation for V-702 secondary reformer air sparger inlet

Torrance

3605( ) Repairs to F201B Superheater
(A) Repairs to F201B Generator
(B) Repairs to F202B Butyl Heater
(C) Repairs to F201A Generator
(D) Repairs to F201A Butyl Heater

3637 Torrance
Rebuild combustion chamber on one White-Forster marine boiler

3644 Ventura
Inspect and repair brickwork - F701 reformer and connecting ductwork

3661 Dominguez
Necessary repairs to F3 Furnace.

3734 Pritchard Products
Ventura
Furnish 17 cuft 90% Alumina brick bats

3742 Pritchard Products
Ventura
Misc. insulation and refractory repairs to Selas furnace, Bros boiler, secondary reformer, etc.

3839 Wilmington
Install lining in one lead-lined steel stripper reboiler shell

SHELL CHEMICAL COMPANY (Con't)

3849	Torrance Labor only to replace brick lining on Reactor A1201-B
3893	Wilmington Rebuild combustion chamber on White-Forster marine boiler
3963	Thorpe Insulation Co Torrance Repair ship-type boiler
3968	Torrance-Necessary repairs to inert gas generator furnace
3986	Torrance Repairs to #F505 Boiler
4010	Torrance Remove brickwork inert gas generator
4025	Torrance Repairs to AF509 Boiler
(A)	Repairs to F202A and F202B supper heaters
4054	Dominguez Repairs to F4 Furnace
4058	Torrance Repairs to F502 Boiler
4073	Torrance Repair F506 Boiler

4077	Ventura Install coppus burner tile in wickes boiler
4161	Ofcco Construction Co Dominguez Install lining in one petrochem heater
(A)	Furnish additional material
(B)	Repair heater boxes
4129	Yeager Lead Co Dominguez Remove and replace carbon brick in one stripper bottom
A)	Rebrick 2 new stripper bottoms
4206	Wilmington Remove and rebrick four walls and floor of F-507 boiler
4210	Wilmington Remove and replace brick lining in A2201-A reactor
4218	Ventura Repair refractory in Bros boiler, type DFCW-82E
4262	Torrance Necessary repairs to reactor #201-A
4279	Torrance Repairs to reactor A202-B

4383 Torrance
Necessary repairs to "D" superheater
(A) Repair butadiene

4407 Dominguez
Necessary repairs to reboiler

4414 Dominguez
Labor and material to repair Mantius acid concentrator
(A) Install membrane to seal leak in acid brick tank

4418 Ventura
Repair F101 M.W. Kellogg reformer furnace

4496 Torrance
Necessary repairs to F201-A superheater

4497 Dominguez
Repair F4 box furnace

4516 Dominguez
Repairs to #4 acid reboiler

4574 Wilmington
Rebrick 5th acid reboiler

4701 Torrance
Miscellaneous repairs to #1 and #5 boilers

SHELL CHEMICAL COMPANY

4741	Torrahce Repair superheater F201A
4777	Torrance Repair A2201-B reactor
4777	Torrance Repair A2201-B reactor
4785	Torrance Repair inert gas chamber #515
4804	Ventura Remove and replace Peabody burner throats in two Combustion Engineering boilers
4862	Ventura Repair Bros boiler and refractory and on ~~Sxxk~~ Selas heater, repair insulation on economizer inlet and outlet headers
4882	Wilmington Repair lead lined stripper bottom
4907	Ventura Repair Bros boiler and secondary reformer outlet duct due to re-tubing of boiler
4911	Dominguez repair petrochem furnace
4916	Wilmington refractory repairs DMK Acetone furnace F3
4922	Wimington repair concrete and acid proof topping in area east of pipe reactor (approx 650 sq ft)
4972	Torrance- repair superheater

SHELL CHEMICAL CO.

4989	Wilmington Perform brickwork repairs and install inserts in stripper bottom	
A)	Repair stripper bottom	
5035	Torrance Rebrick #F-504 Yarro Boiler	
5073	Dominguez Repair concentrator	
A)	Repair concentrator	
5093	Dominguez Install lining in stripper bottom	
5129	Dominguez Install lining in stripper bottom #35	(4/68)
A)	Install lining in stripper bottom #36	(5/68)
5209	Dominguez Sandblast and remove materials from inner wall of Karbate cooler basin and coat inner wall with mastic and glass cloth	(6/68)
5217	Torrance Necessary repairs to "B" superheater	(6/68)
5223	Dominguez Repair Petrochem heater	(6/68)
5265	Dominguez Install acid brick in reboiler Area	(7/68)
"A"	Install acid brick paving in polyblock cooler area.	

5365 Ventura
Install peabody tile in 2 burners of combustion-engineering boiler.

5373 Dominguez
Install brick lining in one copper stripper dome.

5391 Ventura
Repair castable on tube sheets of selas heater(F701)
"A" Additional repairs to selas heater.

5417 Ventura
Install Peabody tile in 4 burner throats of C-E boiler.

5430 Dominguez
Brick line one reboiler Shell E190A

5448 Wilmington omit - Straved by Collier Carbon
Necessary repairs to pump basin.

5488	Torrance Repair #3 Boiler	12/68 W.O.
5597	Dominguez-Nec. repairs to tank #72-A	2/69-WO
5628	Dominguez Line stripper bottom	3/69 WO
5638	Torrance Repairs to #2 boiler	4/69 WO
5664	Wilmington Remove + replace insul. + brickwork OU F201A + F201B superheaters and F202A butylene heater SEE JOB 5706 CANCELLED	4/69 WO
5701	Torrance Repairs to east wall of #6 Boiler	5/15
5706	Torrance Nec. repairs to "B" Superheater	5/21/69
5722	Ventura Refractory Repairs to BROs Boiler, Pritchard Reformer and Wickes Boiler	5/27/69
5737	Dominguez Install concrete and brick topping on pad	6/6/69

SHELL CHEMICAL CO

5742	Dominguez - Repair pump bases	
5807	Torrance - Repair #9 Boiler	7/69
5843	Torrance - Repair surface acid brick and concrete in reactor area	8/69
5894	Dominguez - Repair Stripper Bottom	9/69
5943	Ventura - Repair F701 Pritchard Reformer	10/69
5974	Ventura - Repair primary and secondary reformer, Kellogg Unit 'A' - Replace secondary reformer, Pritchard Unit	
6003	Ventura - Furnish 1"x2" firebrick grog	11/69
6013	Dominguez - Install ¼" acidproof topping at hydrolizer area	12/69
6033	Torrance - Gunite repairs A202A reactor	12/69
6042	Torrance - Repair F503 Boiler	12/69
6050	Dominguez - Repair preheater, petrochem furnace	12/69
6052	Edmond J Vadnais (Etiwanda) Dominguez - Acid brick lining 4 manholes	12/69
6096	Torrance - Repair #10 Boiler	1/70
6101	Wilmington Repair acid resistant linings in Mantius Concentrator E51; Acid Charge Tank T72A; and Acid Rundown Tank T74A	1/70
6174	Torrance - Repair F502 Boiler	3/70
6197	Wilmington Repair acid brickwork in reactor area	4/70
6210	Torrance Repair F506 boiler new rear wall and floor	

SHELL CHEMICAL COMPANY (continued)

6221	Ventura Repair primary reformer F701, Bros boiler F702, and secondary reformer V 703.	
A	Furnish 45 cu ft broken FB	
6217	Torrance Repair A Generator on superheater.	
6327	Ventura remove and replace lining for Pritchard secondary reformer	
6368	Ventura Selas Furnace Repairs floor of duct	8/70
6405	Wilmington RepairF4001, F4002 and Hot Oil Furn.	9/70
6519	Dominguez Install newbur ner tile around each of five burners on box furnaces F3 and F4.	12/70
6564	Ventura Repairs to Bros Boiler	1/71
6598	Torrance	2/71
6632		3/71
"A"	Install 30ft of Curbing	6/71
"B"	Replace Acidbrick + Membrane on Damaged Area of Floor	7/71
		4/71
6709	Dominguez Repair F4 Heater	5/71
6747	Wilmington Repair NW Exterior Corner of F3 Brickwork plus Point up Internal Brick on Center Wall	6/71

SHELL CHEMICAL COMPANY (Continued)

6817	Dominguez Repair F4001-DMK Converter Preheater and F4002-DMK Converter	7/71
6984	Ventura Repairs to reformer	12/9/71
"A"	Repair lower vestibule of secondary reformer	12/15/71
7039	Ventura Repairs to F301 Heater	1/72
7058	Ventura Repair F702 Boiler	2/72
7065	Dominguez Repair to Petrochem Furnace	2/72
7128	Dominguez Patch Around Pump Bases	3/72
7147	Torrance Repairs to F1301-A Petrochem Furnaee	4/72
7843	Dominguez Repairs to stripper	9/73
A	Repairs to stripper	10/73
7914	Dominguez Repair Stripper	10/16
7963	Dominguez Acid Brick paving repairs	11/15
A	Install expansion joints/ B-Install expn jnts	
8068	Dominguez Nec. repairs to the stripper	1/74
8120	Dominguez Repairs to bump bases P274, 275, P2102	2/74
8187	Dominguez Repairs to Petrochem heater	4/74

SHELL CHEMICAL COMPANY (Cont)

8257	Dominguez Repairs to stripper -	5/74
8438	Dominguez Repairs to stripper	8/74
9032	Wilmington Nec Repairs to Stripper	11/75
9050	Dominguez Repairs to Stripper	11/75
9440	Dominguez Repairs to Stripper	9/76
10521	Dominguez - Nec Repairs to Stripper	9/78
10806	Carson - Repair Stripper	3/79
11069	Dominguez Repairs to Stripper	7/79
11136	Carson - Nec. repairs to stripper	8/79
11143	Carson - Nec. repairs to stripper	9/79
11309	Dominguez Repair acid brick paver	12/79
11607	Dominguez Repairs to stripper	6/80

SHELL CHEMICAL

11749	Dominguez Repairs to stripper	9/80
11788	Carson Repairs to stripper	9/80
11974	Carsan Necessary repairs to stripper	1/81
12140	Carson Repairs to stripper	3/81
12486	Dominguez Repais to stripper	12/81
12589	Carson, CA Repairs to stripper	3/82
12737	Carson, CA Reline flare stack	7/82
12752	Carson, CA Repairs to stripper	7/82
12757	Carson, CA Fireproof bottom of two columns	7/82

SHELL DEVELOPMENT COMPANY

3048 - Wilmington - Two (2) Experimental Furnaces

3615 - See Foster Wheeler Corp.
Deer Park, Texas - Two (2) F-W Oil Heaters

3764 - Wilmington - Cracking Plant #1
Reactor Heater Openings Repair

3992 - Wilmington Refinery - Repairs to Arch and Brick-work on Plant No. 1 Preheater (J-3048)

4231 - Wilmington Refinery - Watson
Repairs to Preheating Furnace

VO. 60-11 R ZIP U.S.A.

SHELL OIL COMPANY, INC.

104 - Brea - Three (3) HRT Boilers

106 - Santa Maria - Repairs

107 - Brea - Retorts - Brickwork

109 - Olinda - Repairs to Topping Plant

114 - Columbia - 70 h.p. Boiler

115 - Columbia Lease - Retort

117 - Columbia Lease - Boiler (file gone)

120 - Columbia Lease - Boiler Brickwork

125 - Huntington Beach - Retort

126 - Huntington Beach - 70 h.p. Boiler

128 - Huntington Beach - Retort

131-A Wilmington - Six (6) Retort Furnaces
131-B Insulating Six (6) Retort Furnaces
131-C Two (2) Foster-Wheeler Superheaters

132 - Wilmington Refinery - Furnace Brickwork

133 - Wilmington Refinery - Four (4) Class IV #24 Stirling Boilers

144 - Huntington Beach - San Joaquin Furnace

145 - Wilmington - Brickwork in Pump and Receiving House

156 - Huntington Beach - Repairs to Two (2) Boilers

157 - Watson Refinery - Three (3) Retort Furnaces
(A) - Insulation of Three (3) Retort Furnaces
(B) - One (1) Foster Superheater

172 - Wilmington - Burner Pipe for Six (6) Retorts - Plants #1 and #2

174 - Wilmington - Brickwork - Stillman's Office

175 - Wilmington - Insulating Four (4) Stirling Boiler Furnaces

176 - Wilmington - Fire Brick Bridge Walls and Combustion Chamber. Insulation on Four (4) Boilers

179 - Santa Fe Springs - Three (3) Retorts

180 - Santa Fe Springs - Two (2) 70 h.p. Boilers

185 - Wilmington - Receiving Pump House - Plant #3

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SHELL OIL COMPANY, INC. (contd.)

186 - See C. C. Moore & Co. Engineers Watson - Install Burners in Four (4) Class III #28 Stirling Boilers

193 - Watson - Repair Work on Boilers

195 - Watson Refinery - One (1) Class III #24 Stirling Boiler

196 - Watson - Applying Plaster and Ormocote on Silocel Walls of Six (6) Retorts

197 - Watson - Burner Installations on Three (3) Retort Furnaces - Plant #3

265 - Watson - Three (3) Retorts

267 - Oilfields - Leahy Oil Burners and B. & W. Furnaces for Three (3) Stirling Boilers

272 - Long Beach - One (1) Foster Superheater

276 - Long Beach - Four (4) 54" x 17'-10" HRT Blrs.

282 - Section #36 Water Plant - Six (6) Leahy Burner Tips

290 - Dominguez - Absorption Plant - San Joaquin Furnaces and Brick Base for Two (2) Collins Boilers

294 - Ventura - Three (3) 54" x 16'-0" HRT Boilers

302 - Ventura - Foster Superheater

309 - Dominguez - One (1) Air Heater for Silica Gel. Absorber

314 - Wilmington - Tile and Plastering Laboratory Bldg.

330 - Watson - Six (6) Dubbs Furnaces (Original Dubbs Job)

332 - Wilmington - Receiving House

335 - Ventura - Two (2) 54" x 16'-0" HRT Boilers

339 - Brea - Absorption Plant - Two (2) 54" x 16'-0" HRT Boilers

351 - Wilmington - One (1) 30' x 13' x 14' Tar Burner Furnace

353 - Ventura - Four (4) 54" x 16'-0" - 70 h.p. HRT Blr.

363 - Wilmington - Three (3) Trumble Retorts

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SHELL OIL COMPANY (contd.)

371 - Dominguez - One (1) Foster Superheater

376 - Santa Maria - One (1) 54" x 16'-0" HRT Boiler

386 - Wilmington - Three (3) Trumble Retorts

389 - Wilmington - One (1) Class "Q" #30 Stirling Blr.

393 - Wilmington - Two (2) Class "Q" #15 Stirling Blrs.

394 - Wilmington - Laboratory

397 - Wilmington - Two (2) Trumble Retorts

398 - Watson - Repairs to Tar Burner

403 - Brea - Three (3) 54" x 16'-0" HRT Boilers

406 - Ventura - Foundation for Ten (10) 250 h.p. Llewellyn Water Tube Boilers

407 - Ventura - Brickwork for Ten (10) h.p. Llewellyn Water Tube Boilers

409 - See Samson Engineering Company
Ventura - L. A. Gas Type Burners under Llewellyn Boiler

420 - Brea - One (1) 54" x 16'-0" HRT Boiler

422 - Long Beach - Charcoal Plant - One (1) 54" x 16'-0" HRT Boiler

423 - Wilmington - One (1) 96'-6" Steel Stack for Tar Burners #1 and #2

432 - Wilmington - Incinerator Brickwork

437 - Wilmington - Repairs to Boilers #6, #7, #8.

444 - Wilmington - Repairs to Tar Burner

452 - Wilmington - Acid Plant - Repairs to Flues in Tar Burner and Acid Plant

461 - Ventura - Brickwork - Four (4) 250 h.p. Llewellyn Water Tube Boilers

462 - See Samson Engineering Company
Ventura - L. A. Gas Type Burners for Four (4) Llewellyn Boilers

463 - Dominguez - One (1) Foster Superheater

464 - Dominguez - Four (4) Trumble Retorts

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SHELL OIL COMPANY, INC. (contd.)

468 - Wilmington - Repairs to Tar Burner at Acid Plant

472 - Wilmington - Repairs to Two (2) Stirling Blrs.

494 - Dominguez - Eight (8) Dubbs Furnaces

2024 - Wilmington - Repairs to Dubbs #1

2027 - Dominguez - Changes on Eight (8) Dubbs Furnaces

2033 - Dominguez - Five (5) Class XIII #26 Stirling Blrs.

2035 - See Pacific Clay Products
Extra Work for Shell Job

2036 - Dominguez - Change Front of Four (4) Trumble Re-/torts

2049 - Wilmington - Repairs to Tar Burner

2056 - Wilmington - One (1) Carborundum Furnace

2077 - Wilmington - Tar Burner #2

2078 - Dominguez - Waste Incinerator

2079 - Wilmington #7 and #8 Boiler Repairs

2086 - See George F. Hurt Engineering Corp.
Dominguez - Acid Recovery Plant

2087 - Inglewood - Boiler Repairs

2091 - Dominguez - Lining Tar Burner Stack #1, 72" x 120'

2092 - Dominguez - One (1) Tar Burner /Boilers

2096 - Dominguez - Repairs to #1, #2, #3 & #4 Stirling

2099 - Dominguez - Bigelow Walls for Stirling Boiler

2101 - Wilmington - Repairs to Two (2) Dubbs Furnaces

2110 - Dominguez - Acid Tanks

2115 - Dominguez - Install Cohen Burner in Retort #1

2131 - Wilmington - Dubbs #8 Repair

2137 - Dominguez - #1 Trumble Burner Changes

2140 - Wilmington - Repair Trumble #2, Dubbs #5, & Retort

2142 - Dominguez - Repair Breeching to Tar Burner Stack

2145 - Wilmington - One (1) Carbonate Tower Fume Destructor Furnace

2146 - Wilmington - Fume Destructor Stack 46" x 90'-0"

2149 - Dominguez - Tar Burner Stack Repairs

2150 - See Southwestern Engineering Company
Signal Hill - Five (5) 250 h.p. Llewellyn Boilers

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SHELL OIL COMPANY, INC. (contd.)

2151 - Dominguez - Brick Repairs - Dubbs #1

2153 - Wilmington - Repairs to Eight (8) Dubbs Units

2160 - Delivery of Material

2167 - Wilmington - One (1) Class XI #26 Stirling Blr. #9

2173 - Dominguez - Repairs to #8 Dubbs

2176 - Dominguez - Tar Burner #2

2177 - Dominguez - Tar Burner Stack #2--84" x 120'-0"

2181 - Dominguez - Acid Plant Repairs

2182 - Watson - Repairs to Trumble #4

2188 - Wilmington - Tar Burner #1 Repairs

2195 - See C. C. Moore & Co. Engineers
Wilmington - Bigelow Arch for Class XI #26 Stirling Boiler

2202 - Dominguez - Repairs to Dubbs #3

2211 - Dominguez - Repairs to Dubbs #1, #2, #4, #5, #6, #7 and #8

2213 - Dominguez - Incinerator Repair

2216 - Wilmington - Delivery of San Joaquin Burner Tile

2230 - Wilmington - Dubbs #8 Repairs

2237 - Wilmington - Dubbs #1 Repairs

2241 - Dominguez - Repair and Reline Furnaces for Five (5) Class XIII #26 Stirling Boilers #1, #2, #4, and #5

2250 - Wilmington - Remodel Warehouse Door

2252 - Wilmington - Dubbs #6 Repairs

2256 - Dominguez - Two (2) Class XIII #26 Stirling Boilers #6 and #7

2260 - Wilmington - Dubbs #4 Repairs

2265 - Wilmington - Rebuild Dubbs #2 and #3

2273 - Dominguez - Bigelow Arch Dubbs #2 and #3

2274 - Dominguez - Repairs to Seven (7) Dubbs Units

2285 - Wilmington - Bigelow Arch for Dubbs #1

2286 - Wilmington - Rebuild Dubbs #1

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SHELL OIL COMPANY, INC. (contd.)

2291 - Wilmington - Rebuild Dubbs #7

2294 - Wilmington - L. A. Gas Burner, Dubbs #7

2297 - Wilmington - Repairs to Trumble #3

2300 - Wilmington - Install Bigelow Arch, Dubbs #7

2301 - Mormon Island - Repairs to Brickwork of Furnace, Barge #4

2305 - Wilmington - #5 Dubbs Repairs

2313 - Wilmington - #6 Dubbs Repairs

2338 - Dominguez - Rebuild Bridge Wall, Stirling Blr. #3

2343 - Wilmington - #4 Dubbs Repairs

2344 - Dominguez - Incinerator Repairs

2346 - Dominguez - One (1) 15'-5" x 10'-0" Waste Gas Furnace

2353 - Dominguez - Repairs to Bridge Wall of Boiler #5

2365 - Wilmington - One (1) 96'-4" x 20'-0" Retort

2366 - Wilmington - Repairs to Foster Heater #1, Trumbles #1 and #2

2367 - Wilmington - Repairs to Side Walls of Stirling Boiler #7 and #8

2368 - Wilmington - Bigelow Arch for Trumble in Retort

2369 - Wilmington - Rebuilding Dubbs #8

2370 - Wilmington - Bigelow Arch for Dubbs #8

2371 - Dominguez - Dubbs #4 Repairs

2372 - Dominguez - Dubbs #3 Repairs

2374 - Watson - Reline Stack and Breeching Repairs in Tar Burners #1 and #2

2375 - Wilmington - #1 Trumple Repairs, Heater #2

2380 - Wilmington - Dubbs #5 Repairs

2384 - Wilmington - Dubbs #3 Repairs

2385 - Wilmington - One (1) Class "Q" #30 Stirling Boiler Repairs

2388 - Wilmington - Repairs to Incinerator

2389 - Wilmington - Repairs to #8 Dubbs

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SHELL OIL COMPANY, INC. (contd.)

2390 - Wilmington - Repairs to Boiler #9

2393 - Wilmington - Boilers #1 and #2 Repairs

2395 - Wilmington - Repairs to Bigelow Arch, Dubbs #2

2399 - Dominguez - Repairs to Dubbs #6

2402 - Dominguez - Bigelow Arch for Dubbs #6

2413 - Wilmington - Seal Bigelow Arch, Dubbs #1 and #7

2420 - Wilmington - Erection of Steel for One (1) New Tar Burner, Flue and Flue Connection

2425 - Wilmington - Bigelow Arch for #1 Tar Burner

2430 Wilmington - Repairs on Heater #2, Trumble #3

2439 - Wilmington - Repairs to Dubbs #1, #2, #3, #4, #5, #6 and #7

2442 - Mormon Island - Repairs - Barge #4

2469 - Wilmington - Trumble Unit Repairs

2477 - Wilmington - Repairs to Furnace #4 - Chemical Dehydrator

2481 - Wilmington - Repairs to Heater #3, Trumble #4

2508 - Dominguez - Rebuild Bridge Wall, Dubbs #5

2509 - Dominguez - Dubbs #5 Bigelow Arch

2520 - Dominguez - Repairs to Dubbs #7

2522 - Dominguez - Repairs to Dubbs #2

2530 - Dominguez - Repairs to Dubbs #4

2533 - Dominguez - Repairs to Dubbs #3

2535 - Dominguez - Repairs to Dubbs #1

2538 - Dominguez - Repairs to Dubbs #6

2540 - Dominguez - Repairs to Tar Burner #2

2541 - Cancelled
Dominguez - Repairs to Dubbs #8

2550 - Dominguez - Repairs to Bigelow Wall of Blr. #5

2555 - Dominguez - Repairs to Tar Burner #1

2563 - Wilmington - Tear Out and Rebuild Bridge Walls, Dubbs #2 and #3

2564 - Wilmington - Rebuild Dubbs Units #4, #5 and #6

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SHELL OIL COMPANY, INC. (contd.)

2588 - Wilmington - Repairs to Dehydrator and Heater #4, Trumble #3

2590 - Dominguez - Repairs to Boiler #7

2592 - Dominguez - Insulation of Fractionating Tower

2593 - Dominguez - Boiler #1 Repairs

2623 - Dominguez - Repairs to Tar Burner #2 and Rebuild Arch in Heaters #1 and #2 - Baffles in Heaters #1, #2, #3 and #4

2666 - Dominguez - Repairs to Walls of Boilers #1 and #6

2675 - Dominguez - Boiler #3 - Rebuild Front Curtain Wall and Burner Throats

2679 - Dominguez - Repairs to Center and End Walls - Dubbs Furnace #4
/(Trans. to Job #2709)

2686 - Dominguez - Dubbs #3, Repairs to Tube Supports

2687 - Dominguez - Repair Receiving Houses

2690 - Dominguez - All Dubbs Repairs

2691 - Wilmington - Repairs to Office Building

2694 - Wilmington - Repairs to Chimneys on Buildings

2695 - Wilmington - Boiler Repairs

2696 - Dominguez - Repairs to Laboratory Building

2697 - Dominguez - Repairs to Dubbs #1 - #7 incl.

2701 - Dominguez - Repairs to Cottages

2702 - Wilmington - Repairs to Trumble Dehydrators

2706 - Wilmington - Repairs to Receiving Houses and Dubbs #3 and #4

2709 - Dominguez - Dubbs #3 Repairs (Inc. J-2686)

2710 - Dominguez - Trumble Repairs

2712 - Dominguez - Rebuild Stirling Boiler #6

2713 - Dominguez - Dubbs #5 Repairs

2720 - Dominguez - #1 Dubbs Repairs

2721 - Dominguez - #3 Boiler Repairs

2727 - Dominguez - Boiler #4 Arch

2731 - Dominguez - Boiler #7

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SHELL OIL COMPANY, INC. (contd.)

2732 - Dominguez - Rebuild Dubbs #7

2734 - Dominguez - Boiler #3 West Wall

2737 - Wilmington - Dubbs #1 and #3 Repairs

2764 - Dominguez - Repairs to #3 Trumble Retort

2773 - Dominguez - Dubbs #8 Repairs

2777 - Dominguez - Boiler #1

2778 - Dominguez - Dubbs #2 Repairs

2786 - Dominguez - Boiler #3 Repairs

2801 - Wilmington - Boiler #3 Repairs

2812 - Dominguez - Stirling Boiler #4 Repairs

2816 - Dominguez - #1 Trumble Heater Repairs

2820 - Wilmington - Repairs to Dubbs #1 and #2

2822 - Dominguez - Repairs to #5 Boiler - Bigelow Wall

2824 - Wilmington - Pumping Station - Furnace Repairs

2831 - See C. F. Braun & Co.
Dominguez - Oil Heater

2836 - Wilmington - Dubbs #2 Repairs

2843 - Dominguez - Absorption Plant - HRT Boiler

2851 - Mormon Island - Barge #4 - Firebox Repairs

2857 - Dominguez - Repairs to Boiler #5 - Bigelow Wall

2860 - Dominguez - Repairs to Boiler #1

2886 - Dominguez - Insulating Roofs - #3, #7 & #8 Dubbs

2899 - Dominguez - Repairs to Boiler #6

2921 - Mormon Island - Barge #2 - Brickwork Repairs

2940 - See Foster-Wheeler Corp.
Dominguez - Brickwork - Three-Drum Boiler #8

2942 - Dominguez - Stirling Boiler #2 Brickwork

2944 - See Industrial Engineers, Inc.
Dominguez - One (1) 70 h.p. HRT Boiler

2949 - Signal Hill - Two (2) Forging Furnace

2950 - Dominguez - Repair Dubbs #2 - Detrick Arch

2951 - Dominguez - Boiler #7 Repairs

2953 - Dominguez - Repairs to Dubbs #2

(contd.)

SHELL OIL COMPANY, INC. (contd.)

2957 - Wilmington - Repairs to Dubbs #2

2967 - Dominguez - Repairs to Flues and Tube Supports Dubbs #3

2979 - Dominguez - Repairs - #5 Dubbs

2980 - Dominguez - Locomotive Type Boiler
(A) - Test Boiler

2982 - Dominguez - Insulate Roof - #2 Dubbs

2985 - Dominguez - Front Wall - #4 Boiler

2993 - Dominguez - #5 Boiler Repair

2996 - See Foster-Wheeler Corp.
Dominguez - Repairs to Boiler #8

3002 - Dominguez - Repairs - Dubbs #1

3006 - Dominguez - Replace Burner - #2 Dubbs

3008 - See The Fluor Corporation, Ltd.
Stevens Lease - Two (2) 200 h.p. Heine Water Tube Boilers

3013 - Dominguez - Dubbs #6 Repairs

3015 - Dominguez - #1 Boiler Repairs

3031 - Dominguez - Repair #3 Boiler - Front Wall, Water Wall and Burner Throats

3032 - See Lindgren & Swinerton
Los Angeles - Pipe Line - Twelve (12) 237 h.p. Blrs.
San Francisco - Pipe Line- Eight (8) 237 h.p. Blrs.

3033 - Kast Property - HRT Boiler Repairs

3034 - #5 Boiler - Front Wall

3040 - Dominguez - Boiler #4 Repairs

3044 - Dominguez - Mercaptan Waste Gas Burner

3045 - Dominguez - Boiler #6 - Front Wall, Water Wall and Burner Throats

3052 - Dominguez - Boiler #7 Baffle Repair

3055 - Wilmington - Dubbs #2

3068 - Wilmington - Dubbs #3

3073 - Wilmington - Venturi Throats for #5 Dubbs

(contd.)

SHELL OIL COMPANY, INC. (contd.)

3074 - Wilmington - Repair #6 Dubbs

3081 - Wilmington - Repairs to #3 and #4 Boilers

3082 - Dominguez - Dubbs #6 Repairs

3083 - Dominguez - Boiler #7 - Alteration of Water Walls

3089 - Dominguez - Dubbs #4 Repairs

3100 - Dominguez - Boiler #1 - Repairs to Side and Bridge Walls

3106 - Corrall Station - Boilers #2 and #1

3107 - Dominguez - Dubbs #1

3108 - Stimba Station - Boilers #1 and #2

3109 - Wilmington - Brickwork for Furnace Boilers #1-#6

3113 - Dominguez - Boiler #5 - Repairs to Side and Bridge Walls

3114 - Dominguez - Repairs to Roof - Heater #6

3123 - Wilmington - Heaters #1 and #5 in Trumble #4

3126 - Ventura Gasoline Plant - Ten (10) Llewellyn Boiler Repairs

3127 - Santa Maria Gas Plant - Boiler Setting - 40 and 70 h.p. HRT Boilers

3153 - See C. F. Braun & Co.
Martinez - Braun Double End Fire Heater

3157 - Dominguez - Install Water Walls - Boilers #1 & #4

3166 - Dominguez - Boilers #1 and #4 - Front Wall and Burner Throats

3171 - Dominguez - Repair Dubbs #2

3175 - See Industrial Engineers, Inc.
Hynes Pumping Station - Three (3) HRT Boilers

3177 - Wilmington - Repairs to Furnace #2

3183 - Dominguez - Repairs to Trumble #1

3186 - See Bechtel-McCone Corp.
Watson - Furnace Walls

3191 - Wilmington - Repair #6 Boiler

3194 - Wilmington - Repairs to #5 Boiler

(contd.)

SHELL OIL COMPANY, INC. (contd.)

3218 - Dominguez - Front Wall and Burner Throat - Boiler #8

3219 - Dominguez - Gas Generator

3242 - Dominguez - Co-converter Gas Plant - Two (2) Htrs.

3244 - Dominguez - Boiler #2 Repairs - Detrick Tile and Burner Wall and Front and Burner Throats

3245 - Dominguez - Water Walls - Boiler #6

3257 - Dominguez - Water Walls, Front Wall and Burner Throat - Boiler #3

3264 - Wilmington - Watson Boiler House - Boiler #6 Bridge Wall

3265 - Wilmington - Watson Boiler House - Boiler #4 Bridge Wall

3303 - Dominguez - Repair Bridge Wall - Boiler #8

3312 - Dominguez - #4 Dubbs - Install Two (2) Coen Burners Each End

3318 - Dominguez - Boiler #5 - Burner, Front Wall and Throat

3321 - Dominguez - #6 Dubbs - Install Venturi Tile

3338 - Wilmington - Shell Development Experimental Heater

3343 - See C. F. Braun & Co.
Martinez - Gas-Oil Heater

3345 - Dominguez - Dubbs #7 and #8 Tube Sheet and Lintel Repairs

3346 - Wilmington - Boiler #3 - Repairs to Bridge Wall

3349 - See Foster-Wheeler Corp.
Dominguez - Oil Heater

3357 - Dominguez - Repairs to Tunnel Brickwork - Dubbs #6

3367 - Dominguez - Repairs to Stack and Generator #1 - Gas Reforming Plant

3374 - Dominguez - Tar Burner Repairs

3375 - Dominguez - Repairs to Dubbs #2

3378 - Cancelled - See Job No. 3375
Dominguez - Dubbs #2 Repairs

(contd.)

SHELL OIL COMPANY, INC. (contd.)

3382 - Watson - Install End Tube Sheet - #6 Dubbs

3398 - Dominguez - Tar Burner #2 Repairs

3399 - Dominguez - #3 Dubbs Repairs

3403 - Wilmington - Boiler #3 Rebuild Bridge Wall

3404 - Dominguez - Alkylation Unit - Heater #7 Repairs

3409 - Wilmington - Repairs to Furnace #3 - Trumble Unit /#4

3410 - Wilmington - Repairs to Boiler #5 - East Side

3412 - Dominguez - Repairs to Flues - Dubbs #8

3413 - Watson - Repairs to Boilers #1 and #2

3422 - Wilmington - Repairs to Battery Walls, Blrs. #3 & /#4

3434 - Dominguez - Repair Dubbs #7

3439 - Dominguez - Repairs to Arch in #6 Heater in Distilling Unit #3

3440 - Dominguez - #4 Trumble Repairs to Arch over Burner in Distilling Unit #1

3456 - Dominguez - New Burners in Trumble Furnace #1

3460 - Dominguez - Trumble Furnace #2, Unit #1 Repairs

3463 - Dominguez - Furnace #3, Unit #1 Repairs

3465 - Wilmington - Repair Side Wall - #5 Boiler

3482 - Wilmington - Boilers #3 and #4 - Floors; and Battery, Front and Bridge Walls

3491 - Wilmington - Boilers #1 and #2 - Floors and Battery and Bridge Walls

3498 - Wilmington - Repairs to Boiler #5 - Bridge and Front Walls, Burner Throat, and Floor

3506 - Wilmington - Boiler #6 - Rebuild Floor and center and Front Walls and Renew Burner Tile

3511 - Dominguez - Repair Floor - Heater #6 - Distilling Unit #3

3518 - Dominguez - Repairs to End Walls - #2 Dubbs

3524 - Dominguez - Repair - Dubbs #5

3533 - Dominguez - Repairs to Stirling Class XIII #26 Boiler #2

(contd.)

SHELL OIL COMPANY, INC. (contd.)

3534 - Dominguez - Rebuild Rear Wall - Trumble #2 Distilling Unit #1

3536 - Dominguez - Brickwork Repairs - Dubbs #1

3546 - Dominguez - Rebuild Floor and Front Wall and Burner Throats - Boiler #7

3554 - Dominguez - Repair - Dubbs #4

3589 - Wilmington - Rebuild Rear Wall - Trumble Heater #2 and #3 - Unit #3

3591 - See Pacific Crane & Rigging Co.
Belyea Truck Company
Dominguez - Alkylation Plant - Acid Brickwork

3595 - Dominguez - Repairs to Flues - #6 Dubbs

3603 - See C. F. Braun & Co.
Houston, Texas - Three (3) Acetone Furnaces

3605 - Dominguez - Repairs to Front Wall and Burner Throats - Boiler #8

3633 - See Hunt, Mirk & Company
Deer Park, Texas - Two (2) 750 h.p. Kidwell Blrs.

3636 - See C. F. Braun & Co.
Houston, Texas - Acid Brickwork

3652 - Dominguez - Repairs to Two (2) 80 h.p. Collins Blr.

3656 - Wilmington - Repairs to Bridge Wall - #6 Boiler

3671 - Wilmington - Boiler #1 - Front Wall Repairs

3674 - Dominguez - Dubbs #1, #2 and #4 Repairs

3676 - Dominguez - Boiler #3 - Brickwork Repairs

3703 - See C. F. Braun & Co.
Deer Park, Texas - Fire Wall in Pipe Trench

3704 - Dominguez - Rebuild Bigelow Walls on #5 Boiler and Repairs to #4 Boiler

3707 - Dominguez - Rebuild Heater #1 - Distillation Unit #1

3708 - Dominguez - Renew Floor - Boiler #1

3724 - Dominguez - Rebuild Distillation Unit #1 - Heaters #2, #3 and #4

(contd.)

SHELL OIL COMPANY, INC. (contd.)

3742 - Wilmington - Rear Walls - Trumble Retorts #1 & #3

3757 - Bakersfield - Stevens Lease - Ten Sections Absorption Plant - Three (3) 250 h.p. Llewellyn Boilers

3763 - See Pacific Crane & Rigging Co.
Dominguez - Acid Brickwork for Pumps

3777 - See Bechtel-McCone-Parsons
Martinez - One (1) Reboiler Furnace #87

3779 - Wilmington - Repairs - Dubbs #2, #3, #5 and #6

3795 - See Bechtel-McCone-Parsons Corp.
Dominguez Refinery - Two (2) identical Oil Heaters

3796 - Dominguez - Dubbs #2 - Renew Roof Arch

3811 - See Foster-Wheeler Corporation
One (1) Oil Heater

3816 - Wilmington - Bridge Wall and Burner Throat Repairs - Boiler #4 and #5

3824 - See The Fluor Corporation, Ltd.
Dominguez - Brickwork for Reducing Kiln in Catalyst Manufacturing Plant, and Plastic End Hoods for Oxidizing Kiln

3833 - Dominguez - Repairs to Burner Throats of Boilers #1, #2, and #6; and Repairs to Boilers #3, #4, #7 and #8

3834 - Dominguez Refinery - New Tube Sheets in #3 Dubbs and Repairs to #1 Dubbs and #4 Dubbs

3857 - See C. C. Moore & Co. Engineers
Dominguez - F22-AB19 B. & W. Boiler

3865 - See Bechtel-McCone-Parsons Corp.
Dominguez - F3 and F4 Integral Furnaces

3866 - See Bechtel-McCone-Parsons Corp.
Dominguez - F1 Furnace

3867 - See Bechtel-McCone-Parsons Corp.
Dominguez - F2 Furnace

3871 - Wilmington - Repairs to Brickwork - Boiler #5

(contd.)

SHELL OIL COMPANY, INC. (contd.)

3873 - Wilmington - Repairs to Boiler #3

3878 - Wilmington - Repairs - Dubbs #5 and #6

3884 - Wilmington - Repairs to Boilers #7 and #8

3894 - See Foster-Wheeler Corp.
Dominguez - One (1) Preheater Furnace

3895 - See Foster-Wheeler Corp.
Dominguez - One (1) Reactor Furnace

3905 - See The Fluor Corporation, Ltd.
Dominguez Refinery - To Install Fire Walls in Trench .

3909 - Dominguez Refinery - Repairs to Side Walls and Arch - Dubbs Furnace #6

3917 - Wilmington - Repairs to #2 and #3 Dubbs Furnaces

3920 - Dominguez - Repairs to Detrick Arch - Boiler #5

3924 - See Bechtel-McCone-Parsons Corp.
Dominguez - Brickwork and Access Doors and Frames in Flues between F1, F2, F3 and F4 Furnaces

3929 - See C. F. Braun & Co.
Dominguez - One (1) Fired Heater

3956 - Dominguez - Dubbs #4 Repairs

3985 - Wilmington Refinery - Brickwork Repairs to #2 Heater - Distilling Unit #4
(A) - Brickwork Repairs to #2 Heater after Gas Explosion

3986 - See The M. W. Kellogg Company
Dominguez - D2 Regenerator Furnace Brickwork and FW Superheater

3987 - Dominguez - Toluene Plant - Foster Wheeler Preheater Furnace Repairs

4004 - Dominguez - Repairs to Dubbs Furnace #5

4031 - Dominguez - Repairs to Dubbs Furnace #7

4033 - Dominguez - Toluene Plant - Foster-Wheeler Preheater Furnace Alterations

4047 - Wilmington - Distilling Unit - #1 and #2 Heater Brickwork Repairs

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SHELL OIL COMPANY, INC. (contd.)

4088 - Dominguez Refinery - Toluene Plant Dehydrogenation Unit - Foster-Wheeler Preheater Furnace Repairs

4096 - See Bechtel-McCone-Parsons Corp.
Dominguez - Fired Oil Heater

4131 - Dominguez Refinery - Brickwork to Convert Dubbs Furnace #8 to Preheating Service for Catalytic Plant Extension

4149 - Ventura, Calif. - Ventura Absorption Plant Repairs to #1 and #2 Heine Water Tube Boilers

4163 - See Bechtel-McCone-Parsons Corp.
Watson - Dominguez Refinery
One (1) Petro-Chem Iso-Flow Furnace

4246 - Dominguez Refinery - Toluene Dehydrogenation Unit, Preheater Furnace Repairs

4255 - Watson - Wilmington Refinery
Boiler #9 - To Replace Front Suspended Arch in Top Front Drum

4275 - Dominguez - Boiler #5 - Furnace Repairs

4284 - Ventura - Blr. Settings - Two (2) 500 h.p. Heine Boilers

4310 - Dominguez Refinery - Boiler #3 Furnace Repairs

4346 - Dominguez - Boiler #7 - Repairs to Curtain Wall and Miscellaneous Repairs

4377 - Dominguez Refinery - Catalytic Cracking Plant - Brickwork Repairs to F. W. Superheater

4424 - Dominguez Refinery - Catalytic Cracking Plant - Repairs to Foster-Wheeler Superheater

4435 - Dominguez Refinery - Boiler #8 - Brickwork Repairs

4436 - Dominguez Refinery - Boiler #4 - Brickwork Repairs

4440-T - Deer Park, Texas, Refinery - Chemical Division
See T-505 One (1) Rectangular Tank

4467 - Dominguez - Dubbs Unit #2 - Furnace Repairs
4468 (T510) - Houston, Texas - Acetone Furnace Repairs
4493 - Wilmington - Boiler #6 - Brickwork Repairs
(A) - Repairs to #7 and #8 Boilers
(B) - Repairs to #1 and #2 Boilers (contd.)

SHELL OIL COMPANY, INC. (contd.)

4531 - Dominguez Refinery - Repairs to Brickwork - Dubbs Furnace #3
(A) - #2 and #4 Dubbs Repairs
(B) - #8 Dubbs Repairs

4546 - Dominguez - Repairs to Insuline Pipe Lining at Catalytic Cracking Plant

4579 - Ventura - Ventura Absorption Plant Repairs to Eight (8) Boilers

4614 - Dominguez Refinery - Boiler House Brickwork Repairs to #1 Boiler

4615 - Wilmington Refinery - Repairs to #3 Trumble Heater
(A) - Repairs to Front and East Walls - Boiler #5

4656 - Bakersfield - Ten Section Absorption Plant Brickwork around N.G.E. Burners on Five (5) Heine Boilers

4663 - Dominguez - Repairs to Insuline Pipe Lining at Catalytic Cracking Plant

4749 - Dominguez Refinery - Dubbs Unit #4 Brickwork Repairs to Furnace

4769 - Dominguez - To Install Lientz Burner Tile in Dubbs #6 and #7

4827 - Dominguez - Brickwork Repairs - Dubbs #1
(A) - Brickwork Repairs - Dubbs #2

4844 - Dominguez - F-W Toluene Preheater Brickwork Repairs

4860 - Dominguez - Repairs to Bridge Wall in #6 Boiler
(A) - Brickwork Repairs to #4 Boiler

5028 - See Oil Field Construction Co.
Dominguez Refinery, Watson - Enclosure for Two (2) F-W Waste Heat Boilers
(A) - Brickwork Repairs to Waste Heat Boiler

5076 - See Bechtel-McCone (Incorporated)
Martinez - Crude Oil Heater

5236 - Wilmington Refinery - Repairs to #7 and #8 Boilers

5288 - Dominguez - Repairs to Dubbs Furnaces #1 and #2

(contd.)

SHELL OIL COMPANY, INC. (contd.)

5292 - Dominguez - Boiler #3 - Brickwork Repairs to Bridge Wall

5299 - Wilmington Refinery - Brickwork Repairs to Heater #4, Trumble #2
(A) - Heater #1, Trumble #1
(B) - Heater #1, Distilling Unit #2
(C) - Heater #5, Trumble #3

5341-A - Dominguez - Dubbs Furnace #3, Brickwork Repairs
(B) - Dubbs Furnace #4, Brickwork Repairs
(C) - Dubbs Furnace #5, Brickwork Repairs
(D) - Dubbs Furnace #6, Brickwork Repairs

5360 - See The Fluor Corporation, Ltd.
Vancouver, B. C., Canada - Shellburn Refinery
One (1) B. & W. Class H-3 #18 Boiler Brickwork

5363 - See The Fluor Corporation, Ltd.
Vancouver, B. C., Canada - Shellburn Refinery
One (1) U. O. P. Heavy Oil and One (1) Light Oil Heaters

5364 - See The Fluor Corporation, Ltd.
Vancouver, B. C., Canada - Shellburn Refinery
One (1) Type "B" Gas Heater

5384 - Dominguez Refinery - Heater #6 Brickwork Repairs

5409 - Wilmington - Repair Boiler #3 Brickwork

5423 - Dominguez Refinery - #2 Boiler - Furnace Brickwork Repairs

5469 - Wilmington - Boilers #3 and #4, Brickwork Repairs
(A) - Boilers #1 and #2
(B) - Boiler #6

5484 - Dominguez - Install Burner Tile in Boiler #5

5548 - Dominguez - Catalytic Cracking Plant Regenerator #-2 Lining Alterations
(A) - Furnace #13 Brickwork Repairs
(B) - B-1 Heater Brickwork Repairs

5582 - Dominguez Refinery - Boiler #3 - Furnace Brickwork Repairs

5605 - Wilmington Refinery - Boiler #3 - Brickwork Repairs to Curtain Wall, Side Wall, and Bridge Wall

(contd.)

SHELL OIL COMPANY, INC. (contd.)

5650 - Dominguez - #7 Dubbs Brickwork Repairs - Fire Damage Portion
(A) - Regular Repair Work on Dubbs Furnace #7

5689 - Dominguez - Repairs to Boiler #7

5691 - See The Fluor Corporation, Ltd. Vancouver, B. C., Canada - Rebrick North Wall in Distilling Unit Crude Oil Heater
(A) - Install Three (3) Burners in Topping Unit Crude Oil Heater

5781 - Dominguez - Repairs - Dubbs #2

5782 - Wilmington Refinery - Boiler #5 - Furnace Brickwork Repairs

5816 - See C. F. Braun & Co. Wood River, Illinois - Material Only for Enclosures for Two (2) 20 x 20 x 40 Fired Heaters
(A) - Two (2) Sets of Detrick Fan End Construction

5871 - Wilmington - Construct Firebox for Temporary Oil Field Boiler

5946 - Wilmington - Repairs to Boilers #1 and #2
(A) - Repairs to Incinerator

6047 - Dominguez - #1 Dubbs Furnace Repairs
(A) - #5 Dubbs Furnace Repairs
(B) - #3 Dubbs Furnace Repairs

6088 - Dominguez - Repairs to #6 Dubbs
(A) - Repairs to Heater #6 - Distilling Unit #3
(B) - Repairs to Boiler #5

6107 - Wilmington Refinery - Repairs to Suspended Arch of Boiler #9

6128 - See Southwestern Engineering Co. Willbridge, Oregon - Asphalt Terminal, Portland Heater

6186 - Wilmington Refinery - Repairs to Furnace of Boiler #6

6231 - Wilmington Refinery - Repairs to #5 Boiler
(A) - Repairs to Bigelow Arch on #9 Boiler

6248 - Dominguez - Catalytic Cracker - Regenerator Brickwork Repairs

(contd.)

SHELL OIL COMPANY (effective 10/1/49)
SHELL OIL COMPANY, INC. (contd.)

6255 - Wilmington Refinery - Repairs to #4 Boiler

6335 - Wilmington - Watson Refinery
(A) - Repairs to Trumble Retort in Unit #3
- Repairs to Trumble Retort in Unit #4
(B) - Repairs to #9 Boiler

6363 - Wilmington Refinery - Boiler #9 - Repairs to Arch

6376 - Watson Refinery - Repairs to Boilers #7 and #8, in Battery

6470 - Dominguez Refinery - Repairs at #7 Dubbs

6480 - Dominguez Refinery - To Furnish Labor and Material to Recondition Flasher Heater #8

6528 - Dominguez Refinery - To Recondition Dubbs Furn. #5

6540 - Dominguez Refinery - To Repair Dubbs Furnace #2

6565 - Dominguez Refinery - #9 Boiler -
To Make Necessary Repairs to Burner Throat
(A) - Cat-Cracker Plant - To Install New Burner in Steam Superheater
(B) - Make Necessary Repairs to Brickwork on Regenerator

6592 - Dominguez - Repairs to #5 Boiler
(A) - #8 Boiler - To Renew Burner Tile and Replace Plastic Refractory around Tubes

6669 - Dominguez Refinery - Repairs to #5 Dubbs Furnace
(A) - Repairs to Roof on #6 Dubbs Furnace

6711 - Dominguez - Brickwork Repairs to #13 and #14 Htrs.
(A) - Brickwork Repairs on Dubbs Furnace #1

6718 - Dominguez - Boiler #1 - Furnace Brickwork Repairs
(A) - Necessary Repairs to Tunnel of #6 Heater, #3 Unit

SHELL OIL COMPANY

6731 - Dominguez - Boiler #2 - Furnace Brickwork Repairs

6763 - Wilmington Refinery - Boiler #4, Baffle Repair

6850 - Wilmington - Brickwork Repairs to #9 Boiler

6876 - Dominguez - To Repair Chrome Ore in #9 Boiler

6893 - Dominguez - Necessary Repairs to Cat-Cracker
(A) - Necessary Repairs to Heaters #15 and #16

(B & C over)

SHELL OIL COMPANY (contd.)

6893 (contd.)
(B) - Necessary Repairs to Heater #20
(C) - Necessary Repairs to Foster-Wheeler Heater

6905 - Dominguez - Necessary Repairs to Dubbs #8 Furnace
(A) - Minor Brick Repairs to Heaters #13 and #14 - Cat Cracker
(B) - To Repair Boiler #1

6931 - Dominguez - Repair #6 Heater of Unit #3
(A) - To Repair Dubbs Furnace #6 and to Install Detrick Arch
(B) - To Repair #4 Dubbs

6969 - Dominguez - To Repair Dubbs #7
(A) - To Install Burner Brick on Toluene Furnace

6987 - Dominguez - To Repair #3 Dubbs

7014 - Dominguez - To Repair Foster-Wheeler Toluene Preheater Furnace
(A) - To Change Brickwork to Relocate Pilot Burners at Toluene Reactor Furnaces #1, #2, & #3

7101 - Domingeuz - Labor and Material to Repair Roof of Preheater Furnace in Tuoluene Plant
(A) - Necessary Repairs to Cat Cracker
(B) - Necessary Repairs to #7 Dubbs

7147 - Wilmington - Wilmington Refinery
Necessary Repairs to #1 and #2 Boilers

7189 - Dominguez - Renew Burner Tile in #4 Boiler
(A) - To Repair Roof of #8 Boiler

7261 - Wilmington Refinery Boiler House -
To Repair Boilers #3 and #4

7284 - Dominguez,- To Repair Roof of Firebox on Reactor #2 - Toluene Regenerator Plant
(A) - To Repair Brick Lining of Cat Cracker Regenerator

7340 - Dominguez - Renew front Wall including Burner Tile in one Boiler #5
(A) - To Repair Brickwork on Heater #14 at Naphtha Redistillation Unit
(B) - Repair Dubbs #7

SHELL OIL COMPANY (contd.)

(D-Ex) Delivery Burner Blks

7395 - Dominguez - Repair #6 Heater #3 Unit
(A) - Necessary Repairs to #1 Dubbs (C) To Repair
(B) - Rrepair F. W. Steam Superheater Taluene Heater
7407 - Dominguez - Repairs to Catalytic Cracking Regenerator Dome of (D) To Finish Necessary Rprs to #1

7460 - Wilmington - Watson Refinery - To Repair Dubbs Arches in Trumble Heater

7498 - Dominguez - Catalytic Cracker Regenerator - Brickwork Repairs to Walls
(A) - Brickwork Repairs on #13 Heater, Flasher #1
(B) - To Install Castables around Burners of Toluene Furnace

7592 - Wilmington, Calif - Repairs to Small Petro-Chem Heater

7645 - Wilmington-Marine Terminal-New Lining for One (1) Petro-Chem Heater
(A) - Shell Oil Company-Direct For above, To Renew Floor and Burner Throat

7660 - Dominguez - To Repair Roof Tile on Petro-Chem Heater

7664 - Dominguez, Calif. - Remove and Renew approx. 50 sq. ft. of Brickwork on Top of Convection Tubes - #8 Dubbs

7676 - Dominguez - To Insulate Flue - #1 Dubbs to Waste Heat Boiler

7680 - Wilmington Refinery - To Supply and Install 20 Peepholes in Born Tube Still

7735 - Dominguez - To Insulate Breeching on #2 Superheater at #2 Dubbs Furnace
(A) - Brickwork Repairs to Dubbs Furnace #2
(B) - Necessary Brickwork in Htr #6, Dist. Unit #3
7790 - Dominguez - To Repair Regenerator
(A) - To Repair Heater No. 20 (B) - To Repair #8 Dubbs Furnace
7799 - See Bechtel Corporation - Wilmington, Calif. To Remove and Re-install Tile and Clip Castings on Side Walls and End Walls of Two (2) Born Heater
Extra - Materials Furnished to Bechtel to Complete Job.
7816 - See Bechtel Corporation - Wilmington Refractory Enclosure for One (1) Born Heater-Labor Only
(A) - Material
Extra- Sale of 20 Peephole Sleeves

(contd.)

NO. 801-11R U.S.A.

SHELL OIL COMPANY (contd.)

7839 - Dominguez - To Repair #6 Dubbs Furnace
(A) - To Repair #3 Dubbs Furnace
(B) - To Repair #7 Boiler

7982 - Dominquez - Necessary Reprs. to #2 Dubbs Furnace
(A) - Necessary Repairs to Regenerator
(B) - #5 Dubbs Repairs

8099 - Wilmington - Wilmington Refinery - No. 6 Boiler
To Rebuild Front Burner Wall
(A) - Neces. Repairs to Born Heater
(B) - Brkwrk on Born Htrs at Distilling Unit #5
(C) Replace Insul & Brk on Stack Transition
8105 - See Petro-Chem Construction Co.
Brea, Calif - Install Lining in One Petro-Chem Htr

8118 - Dominguez - #8 Dubbs Furnace
To Renew Approx. 7 ft. of Bridge Wall and Approx. 250 sq.ft. of Floor in Tunnel
(A) - #13 Heater Repairs
(B) - #14 Heater Repairs
(C) - #13 Heater; to Re-lay Detrick Tile & Repair Insulation around Tube Supports in Roof
(D) - Brickwork & Insul. on Toluene Dehydro Prehcater Naptha Platforming to Permit Alteration by Shell
(E) - Brkwrk Rprs on Preheater at Toluene-Dehydrogenation
(F) - Repair #5 Boiler
(G) - Line approx. 90 ft. of 41" I. D. Recycle Catalyst Line
(H) - Repair #4 Boiler
(I) - Brkwrk & Insulation on Blr #9, Boilerhouse
(J) - Insulation Test on Regenerator Standpipes "A" & "B"
(K) - Drill Holes in Furnaces #3 & #4
(L) - Repair Boiler #7
8120 - Dominguez - Line Three Catalyst Standpipes
(A) - Alteration to Duct Lining

8193 - Morman Island - Brickwork Repairs to Petro-Chem Htr.

8198 - Dominguez - Install Q Panel-Chrome in Two Reactor Feed Lines

8243 - Wilmington - Wilmington Refinery
Necessary Repairs to #1 Boiler

8259 - Domingueq - Necessary Repairs to Regenerator
(A) - Repairs to Tile in Plenum Chamber
(B) - Repair Recycle Boiler
(C) - Repair Stand Pipe
(D) - Repair Reactor Feed Lines

(contd.)

SHELL OIL COMPANY (contd.)

8259 - (contd.)
(E) - Repair Ducts to Precipitator
(F) - Repair Absorption Tower
(G) - Insulation Repairs
(H) - Insulation Repairs
(I) - Insulation Repairs
(J) - Sample Probes

8310 - Dominguez - Repair Standpipes A & B on Regenerator in Cat-Cracker Plant

8313 - Dominguez - Repairs to #9 Boiler

8347 - Dominguez Refinery-Dominguez
Repairs to #6 Heater
(A) - Make Corbels under Burners in #6 Heater

8350 - See C. C. Moore & Co. Engineers
Wilmington Refinery-Wilmington-Install 18 Diamond Soot Blower Wall Boxes on Blrs Nos.7, 8 &9

8363 - Wilmington Refinery - Wilmington
Repair Born Heater

8367 - Shell Oil Company - Dominguez - Dominguez Refinery
Repair Top os Stack Lining - Gas Hydro Plant
(A) - Repairs to Dubbs Furnace #2
(B) - Repair Boiler #1
(C) - Dubbs #5 - Neces. Brkwrk Repairs

8382 - Wilmington - Wilmington Refinery
Repair #3 Boiler

8401 - Dominguez - Repair #4 Dubbs

8410 - Dominguez - Repairs to #8 Boiler

8437 - Dominguez - Repairs to #2 Boiler

8471 - See Burke & Reynolds Construction Company
Wilmington - Build Two (2) Brick Walls 1'-7"x 29'-6" long; and 2'-7"x21'-0" long

(contd.)

SHELL OIL COMPANY(contd.)

8490 - Dominguez - Repair #9 Boiler

8493 - Wilmington - Wilmington Refinery
#9 Boiler Brickwork Repairs

8533 - Dominguez - Repairs to #1 Dubbs

8602 - Dominguez - Repair #6 Dubbs Furnace

8615 - Shell Oil Company - Dominguez
Repairs to Brickwork in Heater #6 at Unit #3
Reactors Nos.1,2, & 3

8690 - Dominguez - Toluene Unit - Miscellaneous Repairs/
(A) - Repairs to Preheater at Toluene Unit

8718 - Wilmington Refinery - Wilmington
Repairs to Floor of Heater #21

8773 - Wilmington Refinery, Wilmington
Repair Boiler #6

8784 - See J. T. Thorpe Northwest, Inc.
Southwestern Engineering Company
Willbridge, Oregon - Engineering Only for
Enclosure for One (1) Portable Oil Heater

8840 - Wilmington Refinery - Wilmington
Repairs to Boiler #4

8891 - Wilmington - Wilmington Refinery - Renew Fire Brick
Arch in #3 Heater in Distilling Unit #3

8903 - Dominguez Refinery - Dominguez - Brickwork at
Flasher No. 2 Furnace

8910 - Wilmington Refinery - Wilmington - Boiler #5.
Brickwork Repairs

8944 - Dominguez - Repairs to the Floor of #17 Heater

8947 - Dominguez - Repair FCC Generator
(A) - Retube N. & S. Flue Gas Boilers Shop #4211
(B) - Revision to Regen. Cat. Standpipe, Shop #4370
(C) - Renew 18'-5" in Tubes in Heater #20, Shop #4211

8955 - Dominguez - Repairs to #9 Boiler

(contd.)

SHELL OIL COMPANY (contd.)

8989 - Wilmington Refinery - Wilmington
Repairs to #7 and #8 Boilers

8991 - Dominguez Refinery - Long Beach
Repairs to Preheater at Toluene Unit

9006 - Dominguez - Repairs to #8 Flasher
(A) - Repair #13 Heater
(B) - Repair #14 Heater at Naptha Column

9050 - Dominguez - Repairs to #6 Boiler

9051 - Dominguez - Brickwork to Repair Heater #6 at D.U. No. 3.

9100 - Dominguez Refinery - Dominguez
Repairs to #9 and #10 Heaters at Toluene Plant

9166 - Dominguez - Repairs to #1 and #2 Dubbs

9179 - Morman Island - Install Common-Red-Brick Sea Wall approx. 10 ft. long x 4 ft. high

9181 - Wilmington - Wilmington Refinery
Repairs to Heater #21

9208 - Wilmington Refinery - Repairs to Boiler #6

9255 - Dominguez - Dominguez Refinery
Renew Insulation in Parts of Reactor Volute at Toluene Plant

9399 - Wilmington Refinery - Wilmington
Repair Spalling Brick in Boiler #3

9410 - See Kaiser Engineers, Div. of Henry J. Kaiser Co.
Dominguez Refinery - Dominguez
Refrac. Linings for: Four (4) Platformer Reformers; and Three (3) Fired Heaters

9427 - Dominguez Refinery - Dominguez - Boiler #6
Renew Front Wall above Burners and Install Castable Refractory Arch at Top of Front Wall

9417 - Dominguez - Repairs to #9 Boiler

NO. 501-11R U.S.A.

SHELL OIL COMPANY

9456 - Dominguez Refinery - Dominguez
Repair Brickwork in Heater #13 at Flasher #1; and Heater #14 at Naphtha Refinery

9461 - Dominguez Refinery - Dominguez
Brickwork Repairs to Furnace of #4 Dubbs

9477 - Dominguez - Repairs to Heater #6 - Unit #3

9526 - See Kaiser Engineers, Div. of Henry J. Kaiser Co.
Dominguez - Trim Reactors #1, #4, #6 & #8

9532 - Dominguez - Repairs to #3 Dubbs

9534 - Wilmington - Repairs to Heaters #21, #22, & #23

9571 - Wilmington - Repairs to #3 Boiler

9577 - Dominguez Refinery - Refractory Lining in 26" dia. Pipe 100 ft. long

9582 - Dominguez - Repairs to #6 Dubbs

9668 - Dominguez - Repairs to Brickwork in #18 Heater

9686 - Dominguez - Repairs to Heater #6 and Distilling Unit #3

9691 - Dominguez - Brickwork Repairs to #8 Heater

9709 - Dominguez - Repairs to #1, #2, and #3 Dehydro Reactors

9711 - Dominguez - Repairs to #5 Boiler

9729 - Dominguez - Repairs to #6 Boiler

9747 - Wilmington - Repairs to Boilers #7 and #8

9772 - Dominguez - Repairs to Regenerator and Line
(A) - Vapor Line

9773 - Dominguez - Repairs to Alkalizer #2

9774 - Wilmington - Fireproof Supporting Structure on Tank 2170

9775 - See Ofcco Construction Co., Inc.
Dominguez - Refractory & Insulation Material for CO Boiler

SHELL OIL COMPANY

9780 Dominguez - Repairs to #9 Boiler

9858 Watson Refinery - Repairs to #1 and #2 Boilers

9921 Dominguez - Repairs to #5 Dubbs Furnace
(A) Labor & Material to Replace Fireproofing on Isobutane Tank 1376 and Time Tank

9966 Dominguez - Repair Duct Work in Waste Heat Boiler at Dubbs #2 Unit

9976 Wilmington - Repairs to Boiler #6

9979 Dominguez - Repairs to #1 Dubbs Furnace

9987 Dominguez - Repairs to Heaters #24, #25, and #26

1006 - See Combustion Engineering Inc. -
Dominguez - Furnish Labor & Material to Replace Insul. where Stiffeners Added at Air Heater Gas Outlet Duct

1027 Wilmington - Repairs to Petro-Chem Furnace
(A) Repairs to Petro-Chem Furnace
1059 Dominguez - Gunite Titt South of Alky #2

1079 Dominguez - Repairs to Breeching at Toluene Plant

1092 Dominguez - Repairs to #6 Boiler

1106 Watson Refinery - Wilmington - Install "g" panel, Chrome Ore and Transfer Line from Heater #21 and #22 to Second Column in District Unit #5

1122 Dominguez - Repairs to Boiler #7

1142 Dominguez - Repairs to #9 Boiler

1189 Dominguez - Repairs to Heaters #8 & #13
(A) Repairs to Heater #14

SHELL OIL COMPANY (Cont'd)

1230 - Dominguez - Necessary repairs to #8 Boiler.

1232 - Wilmington - Labor & Material to Insulate Panels for Roof of Heaters #22 & #23.

1237 - Dominguez - Necessary repairs to Toluene Dehydro.

1270 - Wilmington - Necessary Brickwork repairs on Heaters #21, 22 and 23 DU-5.

1278 - Dominguez - Necessary repairs to #4 Dubbs Furnace.

1286 - Watson Refinery - Repairs to Heaters #1, #2 & #3 and #4 Trumble.

1319 - Watson Refinery - Necessary repairs to Boilers #3 & #4

1337 - Dominguez - Necessary repairs to #3 Boiler

1364 - Dominguez - Necessary repairs to #6 Dubbs Furnace

1408 - Dominguez - Necessary repairs on Boiler #6

1459 - Dominguez - Necessary repairs to #9 Boiler

1477 - Dominguez - Necessary repairs to Regenerator Cyclone Flue Gas Line and Heaters
(A) - Necessary repairs to Spent Cat. Lines
(B) - Necessary repairs to Heater #20
(C) - For Heaters at Alkaline Plant #1 & #2

1499 - See Southwest Welding & Mfg Co - Dominguez Equipment & Supervision to Stress Relieve Column Weld.

1592 - Dominguez - Necessary repairs to #5 Dubbs Furnace

1597 - Wilmington - Necessary repairs to #1 and #2 Boilers

1598 - Dominguez - Necessary repairs to #2 Dubbs Furnace

1609 - Dominguez - Necessary repairs to #1 Dubbs Furnace

1612 - Dominguez - Necessary repairs to #1 Boiler

SHELL OIL COMPANY (Cont'd)

1680 - Dominguez - To repair #6 Heater Distilling Unit #3

1681 - Wilmington - Necessary repairs to #4 Boiler

2026 - Wilmington - Necessary repairs to Boiler #6

2082 - Dominguez - Necessary repairs to Brickwork in Toluene Pre-heater

2124 - Wilmington - Necessary repairs to Desulfurizer Heater #24

2140 - Dominguez - Necessary repairs to #4 Dubbs Furnace

2144 - Dominguez - Repairs to Superheater #13

2153 - Dominguez - Necessary repairs to #8 Dubbs

2154 - Dominguez - Install Chrome Ore in "Q" Panel of Flasher #1

2184 - Dominguez - Repairs to #4 Dubbs

2207 - Dominguez - Repairs to #8 Boiler

2267 - Dominguez - Repairs to Heaters #21, 22 and 23 DU-5

2353 - Dominguez - Repair Brickwork on Boiler #4

2361 - Dominguez - Repairs to #5 Dubbs

2457 - Dominguez - Repairs to #7 Boiler

SHELL OIL COMPANY (Continued)

2478 - Dominguez - Necessary repairs to Dubbs #1 Heater

2480 - Dominguez - Necessary repairs to #9 Boiler

2482 - Dominguez - Labor and material to make necessary repairs to Regenerator, Catalyst Line, Cyclones & heaters at Cat Cracker Plant

2487 - Dominguez - Repairs to #1 Dubbs Furnace

2535 - Dominguez - Necessary repairs to #7 Dubbs

2569 - Dominguez - Necessary repairs to Heater #6 Unit #3

2576 - Dominguez - Repairs to #1 Kinnear Flasher

2609 - Dominguez - Necessary repairs to #1 Boiler

2655 - Dominguez - Repairs to #8 Furnace in Dubbs Area

CANCELLED (See Job 2717) 2667 - Dominguez - Repair East Burner on Dubbs #2 Furnace

2717 - Dominguez - Repairs to #2 Dubbs

2736 - Wilmington
See Becco, Inc.
Labor to Line One (1) Foster-Wheeler Fired Heater

2762 - Dominguez - Repairs to #4 Boiler

2821 - Dominguez - Repairs to #3 Dubbs

2832 - Dominguez - Necessary repairs to #7 Dubbs Furnace

2858 - Dominguez - Repairs to Heater #6 Unit #3

2876 - Wilmington - Necessary repairs to Heater #27 at Distilling Unit #5

2889 - Dominguez - Repairs to #16 Heater

2907 - Dominguez - Repairs to #5 Dubbs

SHELL OIL COMPANY (Continued)

2989 - Dominguez
Repairs to #8 Boiler

3070 - Dominguez
Install Burner Tile in #16 Heater

3125 - Dominguez
Repairs to #3 Boiler

3179 - Wilmington (see Chas E Wardman Inc)
Install refractories in Heaters #21 and #27

3205 Wilmington
Necessary Repairs to Heater #21

3209 Dominguez
Install total of 12 sets of burner tile in Heaters 13, 14 and 15.

3241 Wilmington
Repairs to Heater #24

3261 Wilmington
Labor only to install Acitab Refractory in second stage cyclones at Associated Piping and Engineering Co.

3292 Dominguez
Repairs to Heater #24

3295 Dominguez
Repairs to Catalytic Plant

3304 Dominguez
Repairs to #7 Furnace

3309 CHARLES E WARDOMAN INC (Compton)
Dominguez
Insulate tops of cyclones

3330 Dominguez
Install lining in 19' ID spherical reactor #5 platformer unit.

SHELL OIL COMPANY (cont'd)

3331 Dominguez
Necessary repairs to #9 boiler

3336 Dominguez
Necessary repairs to #14 heater.

3386 Wilmington
Repair burner wall on Dubbs #3 furnace
(A) Furnish labor & material for refractory
CANCELLED (B) Repair of Dubbs #3 Heater

3391 Dominguez
Repair roof of Dubbs #1 furnace

3434 Dominguez
Repairs to #8 boiler

3438 Watson
Repairs to #9 boiler

3405 RALPH M PARSON COMPANY
Martinez
Design and supply one waste gas incinerator

~~3415~~ ~~C F BRAUN & CO~~
3415 C F BRAUN & CO
Wilmington
Install lining in one foster-wheeler heater and one petrochem heater
(A) Repairs to convection section of foster-wheeler heater.

3484 Dominguez
Repairs to Heater #26

3487 Dominguez
Repairs to Heater #24

SHELL OIL COMPANY

3582	- Dominguez Repairs to heater #24
3595	- Watson Repairs to #1 Boiler
3613	- Ventura Gasoline Plant Install fireproofing on six support columns on storage sphere
3618	- Dominguez Repairs to #9 Boiler
3640	- Wilmington Install RS-17-E Castable to #5 Dubbs Dephlegmator
3679	Dominguez Repairs to #2 Dubbs Superheater
3680	Dominguez Repairs to #1 Dubbs Superheater
3684	J T Thorpe and Sons Inc. Ralph M. Parsons Co Martinez Install refractory linings in sulfur recovery units
3689	Pacific Valves Inc Martinez Install AA22 lining in 4 slide valves
3718	Dominguez Repairs to #6 Boiler

SHELL OIL COMPANY

3728 Dominguez
Repairs to #4 Dubbs Furnace

3832 Dominguez
Repairs to #6 heater, Unit 3

3835 Wilmington
Install refractory for coppus fan-mix burners in heater #18

3866 Dominguez
Repair refractory heater 20-B at cat cracker

3917 Dominguez
Necessary repairs to #6 Heater

3919 Dominguez
Install intermediate tube supports in Dubbs #2 Heater

A) Repair #2 Dubbs Dephlegmator

3923 Dominguez
Necessary repairs to #24 heater at desulpherizer

3924 Dominguez
Repairs to heater 26

3939 Dominguez
Repairs to #6 Dubbs

3992 ~~XdK~~ Dominguez
Repair refractory in Dubbs #3 Heater

SHELL OIL COMPANY (Continued)

4046 Dominguez
Renew burners on #3 Dubbs

4059 Dominguez
Repairs to #3 boiler

4067 Dominguez
Repair #5 Dubbs

4102 Dominguez
Repairs to heater #6 unit #3

4157 Dominguez
Repair #4 Boiler

4171 Dominguez
Necessary repairs to #6 Dubbs

4180 Dominguez
Necessary repairs to #1 vacuum flasher

A) Necessary ~~xxxx~~ repairs to heaters 13 and 14

4213 Watson
Necessary repairs to heater 23

4264 Dominguez
Repairs to #6 boiler

4287 Dominguez
Repair heater #28

4308 Dominguez
Repair #9 furnace at tuolene plant

4326 Dominguez
Necessary repairs to heater #24

(A) Necessary repairs to heater #29

4328 Wilmington
Install castable refractory in reactor feed line

4388 Dominguez
Necessary repairs to cat. cracker during turnaround
(A) Repairs to heaters

4391 Anacortes, Washington
Chicago Bridge & Iron Company
Salt Lake City
Refractory labor on cat. cracker turnaround

4459 Dominguez
Repair #17 furnace

4527 Dominguez
Build scaffold and remove fireproofing on one column at cat. cracker

4533 Dominguez
Repair heater #24

4564 Dominguez
Repair #2 boiler

4583 Dominguez
Repairs to Petrochem heater #19

4665 Wilmington
Remove and replace floor brick and insulation and rearrange venturis as reqd during distilling unit #5 shutdown-heater #21 only

SHELL OIL COMPANY (Continued)

4666 Wilmington
Repair insulation and refractory in heaters 21, 22, and 23 and in misc vessels and piping during distilling unit #5 shutdown

4692 Dominguez
Brickwork repairs in heater #18 at aromatic fractionation unit

4727 Dominguez
Repair heater #24

4740 Dominguez
Repair #85 tank

4749 Dominguez
Repair #1 Dubbs furn

(A) Repair breeching leading to waste heat blr
(B) Repair reaction furnace

4844 Watson
Repair Boilers #3 and #4

4863 Dominguez
Repair heater #24

SHELL OIL COMPANY

4925	Wilmington Refractory work during flasher #1 shutdown	
4968	Dominguez Repair #5 Dubbs dephlegmator furnace	
4973	Dominguez repair to #8 boiler	
4976	Dominguez refractory repair during shutdown of hydro process units	
5068	Dominguez Repair Heater #24	
5095	Dominguez Repair Heater #14	
5098	Wilmington Repair Dubbs Heater #3	(4/68)
A)	Repair #3 Dubbs Dephlegmator heater	(4/68)
5142	Wilmington Renew 8 existing burners on Toluene Heater #10	(5/68)
A)	Refractory repairs to tunnel and air duct and lining in breeching section	(5/68)
5154	Dominguez Repair #6 Dubbs	(5/68)
5166	Dominguez Repair Flasher Unit #1	(5/68)
5173	Dominguez Repair #15 heater	(5/68)

SHELL OIL COMPANY (Continued)

5187	Dominguez Repair #2 Dubbs Chamber	
5283	Dominguez Repairs to #20 heater.	
5288	Dominguez Repair #4 Dubbs furnace.	
5289	Dominguez Repair #9 boiler.	
5362	Dominguez Repair Heater #24.	
5317	Dominguez Repairs to #20A heater.	
5439	Dominguez Install refractory in slide valve.	
5485	Dominguez Repair # 13 and #14 Flasher Heaters.	12/68 W.O.
5505	Dominguez Repair #9 Boiler	12/68 W.O.
5500	Dominguez Repairs to Ct Cracker Shutdown.	12/68 W,O,
5565	Wilmington Repair Dubbs Furnaces	2/6/69 W.O.
5578	Dominguez Repair #8 Boiler	W.O. 2/13/69
5660	Dominguez Repairs to #24 heater	4/69 WO
5676	Dominguez Repair #2 dubbs	4/69 WO
5689	Dominguez Plant Necess. repairs to #5 Duvvs	4/69 WO

SHELL OIL COMPANY

5733 Dominguez
Repair drum box at Tank #694

5787 Dominguez 7-8-69
Repair # 2 Dubbs

5801 Dominguez 7-69
Repair Heater # 18

5822 Shell Oil Co
Wilmington 8/1
Repair # 1 Boiler

5829 Dominguez 8/7
Refractory + insulation repairs
to boiler # 9

5873 Dominguez 9/4
Repair Heater # 24
"A" g Repair Heater # 29

5915 Shell Oil Co 10/1
Watson
3 and 4 boilers

5955 Nec Repairs to Heater # 19 10/20
Petrochem Furnace
Dominguez

5984 Wilmington 11/69
Refractory alteration to heater #9 DEA
A Additional repairs to #9 furnace

5992 Dominguez 11/69
Repair #2 boiler WO

6011 Dominguez-Repair cat cracker feed 12/69
line and recycle boiler cone WO

SHELL OIL COMPANY (CONTINUED)

6017	Babcock and Wilcox (LA) Repairs to Boiler #2 - Dominguez	12/69
6020	Dominguez - Repair #1 Flasher 'A' - Repair #13 and #14 Heaters	12/69
6023	Dominguez - Repair #7 Boiler	12/69
6032	Dominguez - Repair regenerator during cat cracker shutdown	12/69
6035	Dominguez - Repair #2 Dubbs	12/69
6086	Dominguez - Repair #17 Heater	1/70
6102	Dominguez - Repair #20 Heater	1/70
6128	Dominguez - Repair #24 Heater (Desulfurizer Plant)	2/70
6140	Dominguez - Repair #28 Heater	3/70
6159	Dominguez - Build scaffold #19 Heater	3/70
6164	Dominguez - Repeat #24 Heater 'A' - Repair floor in #29 and #30 Heaters	3/70
6167	Dominguez - Repair #25 and #26 Heaters	3/70
6178	Wilmington Repair # 2 Dubbs Htr	3/70
6192	Dominguez Repair # 8 boiler	4/70
6211	Dominguez Brick in 10 windows on telephone bldg at Watson Refinery also install partition	4/14
6222	Dominguez Repair arch # 1 Dubbs	4/70
6226	Dominguez Repair # 8 boiler	4/70
6228	Dominguez Repair # 1 boiler	4/70

SHEEL OIL COMPANY (continued)

6273	Wilmington Build scaffold in tower and repair brickwork as necessary Htrs 20, 21, 23 and 27.	6/70
6308	Wilmington Repair boiler # 3	6/70
6340	Dominguez Repairs to Heater 24	7/70
6341	Dominguez Repair Heater 16 and Heater 20	
6408	Dominguez - Repair Heater 24	9/70
6412	Dominguez - Repair Boiler #5	9/70
6452	Watson Build scaffold in brine oxidizer column.	10/70
6472	Dominguez - Repair #2 Dubbs	11/70
6488	Dominguez Labor to build scaffold, #7 Boiler and miscellaneous repairs.	11/70
6538	Dominguez - Repair secondary cyclone	12/70
6568	Houston - Tailgas Incinerator - Grid Burner	2/71
6570	Dominguez - Repair #9 Boiler	2/71
6634	Donimguez - Repair #8 Boiler	3/71
6635	Dominguez - Repair #24 Heater, Cross Box	3/71
6644	Wilmington - Repair Vertical Fired Feed Heater at the DHT (shell htr PT-209)	3/71
6654	ALEX ROBERTSON CO Wilmington.- Lining for Ground Flare	3/71

6689	Dominguez Repair CO Boiler	4/71
6706	Wilmington Dominguez Refinery Repair Heater #14	5/71
6738	Dominguez Repair #2 Boiler	6/71
6739	Dominguez Build Scaffold in Heater 19 - Petrochem Furnace	6/71
6790	Dominguez Repair #3 Boiler	7/71
6823	Dominguez Repair #4 Boiler	7/71
6829	Dominguez Repair Heater #13	8/71
6862	Dominguez Repairs To #9 Boiler	8/71
6931	Dominguez Repairs to coke plant due to fire	10/29/71
6937	Dominguez Repair Heater #19	11/3/71
6967	Dominguez Necessary repairs to #7 Boiler	11/30/71
6993	Shell-Dominguez Repair #20-B Heater	12/16/71
7025	Watson Repair #33 Flasher Heater East Cell	1/72
"A"	Repair #33 Flasher Heater West Cell	
"B"	Repair 31 and 32 Coker Heater	
"C"	Repair 34 Heater	

SHELL OIL COMPANY (Continued)

7068 Dominguez
Repair #8 Boiler 2/72

7073
"A" Remove and replace refractory in top head of regenerator
"B" Install lining in 4 secondary cyclones
"C" Miscellaneous Patch work
"D" Install AA22 in cyclone chimneys
"E" Repair Heaters 15 and 16 2/72

Dominguez
Repair #1 Boiler 4/72

7163 Wilmington
Fireproof Vessel V-1148 4/72

7219 Production Steel Company
Gardena
Shell Oil Company
Install Refractories in Born Heater #21 6/72

7267 Shell Oil Co.
Dominguez
Repairs to #2 Boiler 7/3/72

7276 Watson
Repairs to heaters #21, 22, 23, & 27
~~Install~~ install two burners 7/12/72

7290 Dominguez
Repairs to #3 boiler 7/26/72

7315 Watson
Repair #11 heater 8/10/72

7335 Dominquez
Repairs to #9 boiler 8/29/7

7352	Dominguez Repair #20A Furnace.	9/72
7355	Dominguez Repair HDV Heater #24.	9/72
A-	Repair heaters 25 and 26.	9/72
7437	Dominguez Repair #4 boiler.	11/72
7451	Dominguez Repair #6 boiler.	12/72
7469	Dominguez Repair Heater #18	12/72
7532	Dominguez Repairs to Stripper	1/73
7544	Dominguez Smoke Test and Repairs to NDU Heater #24.	2/73
7761	Dominguez Repair #9 boiler	7/73
7888	Dominguez Repair #3 boiler	9/73
7901	Dominguez Necessary repairs to heater #35	10/73
A	Repairs to heater #24	10/73
8031	Watson Repairs to Heater #22	1/4

SHELL OIL COMPANY (Continued)

8082	Wilmington Refractory repairs to heaters 13, 14, 15, and 16	2/74
A	CO boiler	
B	Regenerator	
B-1	Build scaffold in regenerator	
C	Repair reactor and vapor lines	
D	Cyclone dryout	
8093	Dominguez Repairs to #5 boiler	2/74
8101	Dominguez Install AA22 lining in reactor riser	2/74 HWB
A	Repair sections for riser	
8199	Dominguez Repairs to #8 boiler	4/74
8256	Dominguez Repair #16 heater	5/74
8274	Repairs to the flare	5/74
8288	Carson Scaffolding of coker	6/74
8290	Watson Repairs to heaters No. 31 and 32	6/74
8292	Watson Scaffolding for flasher columns	6/74
8306	Dominguez Repairs to No. 9 furnace	6/74

SHELL OIL COMPANY (Continued)

8323	Dominguez Repairs to heater 24	6/74
8338	Dominguez Repairs to No. 7 boiler	7/74
A	Repairs to No. 1 boiler	
8480	Watson Repairs to Heater #27	9/74
8533	Dominguez-Repair to #3 Boiler	10/74
8560	Dominguez-Repairs to #4 Furnace	11/74
8576	Wilm-Repairs to Heaters 21,22,23 & 27 and misc refractory repairs at the DU #5 Shutdown	11/74
8614	Dominguez-Insulate Pipe on Flare	12/74
8730	Foster Wheeler Co - Wilm Design & Supply 6 Aux. Burners	3/75
8731	Foster Wheeler Co - Wilm Design & Supply 2 Inline Burner Mixers	3/75
8777	Dominguez - Repairs to Heater #24	4/75
"A"	Repairs to Heater #35	
"B"	Repairs to Heater #18	

SHELL OIL COMPANY

8838	Wilm-Nec Repairs to Coker Flasher Heaters	5/75
8846	Watson-Furnish Labor & Scaffolding for Coke Chamber	6/75
8847	Watson-Furnish Labor & Staging for 2 Chambers	6/75
8870	Dominguez - Repair Boiler #9	6/75
8913	Wilm-Acid Brick Lining on Stripper x Area Floor.	7/75
"A"	Additional Repair Pump 274	
8922	Dominguez-Nec Repairs to Boiler #1	8/75
8954	Wilm-Install AA-22 in Lower Section of Secondary Cyclones	8/75
"A"	Thermally Dryout AA-22	
8954	Foster Wheeler Energy Corp-Dominguez Fireproofing for Vessel Skirts & Columns	8/75
8971	Watson-Nec Repairs to Heater #23, Unit #5	9/75
8990	Dominguez R emove & Install Burner Tile in Heater #18	10/75
9056	Minor Repair Cat Cracker Super Heater	12/75
9058	Dominguez-Nec Repairs to Heater 20-A	12/75

SHELL OIL COMPANY

9208	Patch Refractory in Cat Cracker Slid Valves	3/76
9248	Dominguez - Repair #20A Furnace	4/76
9258	Dominguez - Install 48 lin ft section pipe of reactor chamber line	5/76
9333	Dominguez - Repairs to Heater #23	8/76
9505	Watson - Nec Repairs to #34 Flasher	10/76
9536	Dominguez - Repairs to CO Boiler	11/76
9592	Dominguez - Nec Repairs to Stripper	1/77
9626	Los Angeles - Nec Repairs to Petro Chem Heater	2/77
9633	Dominguez - Repairs to FCC Unit	2/77
9675	A-Flue Gas Lines B-2nd Stage Cyclones, Cones&Dryout (CO) 1-Same as B but at Shell Oil Yard C-Regenerator - 1) Cyclones, 2) Plenum D-Riser Line E-Reactor & Vapor Lines F- G- H-Heaters	

SHELL OIL COMPANY

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SHELL OIL COMPANY

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9536	Dominguez - Repairs to CO Boiler	11/76
9592	Dominguez - Nec Repairs to Stripper	1/77
9626	Los Angeles - Nec Repairs to Petro Chem Heater	2/77
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SHELL OIL COMPANY

10143	Watson - Labor & Matl to repair Heaters ~~FR-22 and FR-23~~ FR-33 & FR-34	1/78
10144	Watson - Repairs to Heaters CK-31 and CK-32	1/78
10145	Watson - Repairs to Heaters 21, 22, 23 & 27.	1/78
10146	Watson - Labor & Nec Matls to install & Remove Scaffolding at Flasher Column FR #1 Internal.	1/78
10265	Dominguez - Nec Repairs to Cat Cracker	3/78
10305	Carson Yard - Line 2 Slide Valves from Cat Cracker	4/78
10368	Carson - Repairs to Petro Chem Preheater	5/78
10573	Wilm - Repairs to Boiler	10/78
10637	Carson - Install & Remove Scaffolding at Flasher Column FR#1	11/78
"A"	Repair Heaters #33 and #34	
10650	Watson - Repair Breeching	11/78
10653	Dominguez - Repairs to CO Boiler	11/78
10848	Wilmington - (also under E & L Assoc.) Install acid brick lining in sump	3/79
11048	Watson Repair #10 Boiler	7/79

11162	Dominguez – Install AA22 in slide valve & cone	9/79
11164	Dominguez – Repair #24 heater	9/79
A	Repair #25 heater	
B	Repairs to heaters #25 & #26	
11165	Dominguez – Repair heater #19	9/79

11251	Dominguez FCC Turnaround (Scaffold & repair)	11/79
11264	Dominguez Repairs to heater #17	11/79

11560	C F BRAUN/ Wilmington Refinery Modernization Design and supply the following: Two reaction furnaces; Six auxiliary burners and mixing chambers; One SCOT inline burner & Mixer; One thermal oxidizer; One Catalytic preheater One catalytic incinerator; One catalytic exhaust stack.	5/80 C
A	Install refractory lining for above	CRS 6/81
B	Supply additional 1/32" thick ceramic fiber	10/81
C	Modifications to nozzles J1, J2, J3 vessel items #CU49 & CL44	

Repair cokee heaters FR33 & 34

SHELL OIL COMPANY

11777 Watson 9/80
Repairs to coker heaters CK 31 & 32

11885 GRANO STEEL CORP/PULLMAN KELLOGG 11/80
Wilmington, CA RCN
Install refractory lining in final seperator catalyst drum

12029 ZURN INDUSTRIES ENERGY DIVN 2/81
PULLMAN KELLOGG
Carson RCN
Install refractory lining in two CO boilers

12043 PATHWAY BELLOWS/PULLMAN 2/81
KELLOGG/ El Cajon RCN
Install lining in two expansion joints

12128 CAPITAL WESTWARD INC/SHELL OIL
Wilmington, CA 4/81
Furnish labor and materail to install refractory in two converters

12131 PATHWAY BELLOWS/PULLMAN KELLOGG
Carson Yard 4/81
Install lining in four expansion joint assemblies

12149 Watson 5/81
Necessary repairs to heaters #21, #22 and #23, #27

SHELL OIL COMPANY

12236	J T THORPE CO/CON-RAD INDUSTRIES INC C F BRAUN - Wilmington, CA Install refractory lining in inlet vestibules in 8 sulfur condensers	6/81 RCN
11270	C F BRAUN CONSTRUCTORS INC Wilmington, CA Labor only to install refractory lining in charge heater HP40	7/81 RCN
A	Additional repairs	9/81
B	Supply mat'l (Heat Research Corp)	
12272	Carson Yard Install AA22 in two slide valves	7/81
12280	C F BRAUN CONSTRUCTORS Wilmington, CA Labor only to install refractory in heat research reformer HP38	RCN 7/81
A	Labor and material to install refractory lining in process gas cooler HP-403 and 24" process line item P-41141	RCN
B	Repair shipping damage	
~~12304~~	Dominguez Repairs to heater #18	8/81
12344	Dominguez Repairs to #18 furnace	9/81
12347	PULLMAN KELLOGG/Carson Install refractory lining in field splices	9/81
A	Additional work	
B	Overtime work	

SHELL OIL COMPANY

12588	Watson, CA Repairs to John Zink waste gas heater	3/82
12685	Dominguez, CA Repair burner throat	6/82
12705	Dominguez, CA Necessary repairs to heater #17	6/82
12714	Dominguez, CA Repairs to flare stack	6/82
12740	Dominguez, CA Repairs to #13 heater	
12778	Dominguez Repairs to #3 heater stack wall	8/82
12781	Dominguez, CA Drill holes in heater #14	8/82
12808	Dominguez, CA Install acid brick lining in new sewer manhole	9/82 RCN

SHELL OIL COMPANY

12886	Carson, CA Repairs to CO boiler	12/82
A	Pump voids in boiler ward	
12912	Dominguez, CA Repair #5 boiler	12/82
A	Pump cease fire material boiler #15 sidewall	1/83
12939	Carson, CA Replace brick in manway	1/83
12990	Watson, CA Repair burner #40 heater	3/83
13015	Watson Install burner tile on hydrogen heater and install doors	4/83
13023	Repairs to NH3 decomposer	4/83
13051	Repairs to hydrogen unit	5/83
13109	Dominguez, CA Repair #15 zurn boiler burner wall	7/83

SHELL OIL COMPANY

13153	Watson Refinery Vacuum flasher column	8/83
13203	Dominguez, CA Boiler #14 (Zurn boiler) necessary repairs	10/83
13252	Watson Carson, CA Re-brick manway Sulfer unit combustion unit	11/18
13262	Watson Refinery Carson, CA Fire-proofing beams at cooler heater	11/30
13272	Watson Refinery Carson, CA Re-brick manway sulfer unit Combustion Chamber	12/6
13289	Watson Refinery Amoco - El Cajon, CA Supervision only to fabricate and Install steel and insulation blankets on #1, #2, and #4	12/16
13328	Watson Refinery Fireproofing coker Flasher four column 9 Patch one vessel skirt	1/19
13414 A-	Watson Refinery Repairs to Burners Furnish Supervision Manpower Tools & Equipment to Repair our HP-38	3/84
13439	Watson Refinery Repair Tube Skirts and End Walls Cohen Heater	4/84
13463	Dominguez CA Repair Plat former Heaters #25 & #26	5/84
13464	Dominguez CA Repairs to TD 'Column Heater #20A	5/84

SHELL OIL COMPANY

13507 Dominguez, CA 6/84
Repairs to Zurn Boilers

13559 Dominguez Plant 7/84
Repairs to #15 CO Boiler
A- Ram Plastic around tubes in burner throat & install castable around side wall tubes

13797 Dominguez Plant 1/85
Install AA22 lining
6 cyclone dust hoppers
and diplegs

13868 Carson
Misc repairs to heater #HP-38 8-85

13921 Dominguez
Repair CO Boiler 5-85
A- FCC Turnaround

13949 Dominguez
Repair H#14 Heater 5-85

13978 Dominguez
Repairs to ground flair stack 6-85

14000 Carson
Necessary repairs to Coker 7-85

14082 Carson (Watson Ref)
Install 2 block on end wall coker heater 32 9-85

14128 Wilmington
To install Kaowool blanket in 84" line 11-85

14180 Dominguez
Repair burner tile in DH T&2 12-18-85

SHELL OIL COMPANY

14295	Carson - Dominguez Ref. Repairs to #29 heater at DHT Unit	4-14-86
14346	Dominguez Repairs to heater #19 in gas hydro plant	6-3-86
14401	Carson Repair CO Boiler-14815	8-1-86
14402	Carson Refractory repairs Alky Heater #17	8-4-86
14404	Carson Bypass line.	8-5-86

14537	Carson (Watson Refihery) Install scaffolding in vacuum flasher column	12/86
14574	Watson Erect and remove scaffolding #2 drum at coker	1/87
14580	Carson Repairs to #13 and #14 CO boilers	1/87
14581	Carson Yard Reline one boiler door	1/87
14590	Wilmington Erect scaffolding in copper furnace	1/87
14612	Wilmington Repairs to sulfur condensor	2/87
14878	Necessary repairs to sulfer plant	10-13-87

SHELL OIL COMPANY

15011	Dominguez, CA Repairs to platform heater #24 & #25 A - Repairs to heater #24 & #25 on 3/2	2-29-88
15028	Watson Repairs SMR Heater	3-16-88
15041	Dominguez, CA Repairs to SU41 in line burner scot unit	4-6-88
15085	Dominguez, CA Repairs to co boilers #14 and #15	5-27-88
15066	Carson, CA Repairs to #2 KLOS Unit auxiliary burners CU-50, 51 & 52	5-4-88
15162	Dominguez, CA #31 Coke heater misc. repairs ---$10,000.00 est.---	8-4-88
15164	Dominguez, CA Coke Heater #32	8-8-88

SHELL OIL COMPANY OF CANADA

7495 - See C. F. Braun & Co. - Montreal, Que. - Canada
Engineering Drawings for Acid Stripper

8147 - See The Ralph M. Parsons Company
Jumping Pound, Alberta, Canada
To Construct Waste Gas Incinerator

NO. 301-11R U.S.A.

4795 Vancouver , B. C. (Canada)
RALPH M PARSONS CO
Design and construct waste gas incinerator

SHELL PETROLEUM CORPORATION - Wood River, Ill.

2861 - See C. F. Braun & Co.
Duosol Stills

2862 - See C. F. Braun & Co.
One (1) Riley Boiler

NO. 801-11 R HP U.S.A.

SHENANGO CHINA INC

2395 - See Wallace China Co. Div.
Vernon - Labor only to install refractories
in high speed tunnel kiln

SHIP REPAIR WORK

5344 - Additional Charges Account Retroactive Billing

NO. 361-11 R KP U.S.A.

SHRIMPTON ENGINEERING COMPANY

3135 - Standard Oil Company of Calif. - El Segundo
Zink Burner

NO. 801-11 R TIPPE U.S.A.

SHRINERS' CRIPPLED CHILDREN'S HOSPITAL

7209 - See Joseph Goder Incinerators
Los Angeles - Type 450 IS Incinerator

W F H SCHULTZ INC - Doraville, Georgia

3404 HUMKO OIL COMPANY
Buena Park
Furnish labor and equipment only to install insulation for natural gas reformer
(A) To furnish labor and material to fabricate special skew blocks on reformer furnace

7722 South Gate
Repair slat between car tracks 6/73

SHULTZ STEEL

11739	South Gate Repairs to furnace #910	8/80
11745	South Gate Repairs to #913 furnace	
11756	South Gate 9/80 Repairs to #908 furnace	
11924	South Gate Repair roof labor amd material	12/80 JEA
11977	South Gate Repairs to Thorpe Furnace	1/81
12011	South Gate Repair #911 box furnace	2/81
12142	South Gate Repair the mcLucky carbottom furnace	4/81
12192	South Gate Repair DR furnace	5/81
12248	South Gate, CA Repairs to holcrost	7/81
12298	South Gate, CA Labor only to install lining in DS furnace	8/81
12471	South Gate, CA Install arch in forge furnace #911	12/81
A	Extra work	

SHULTZ STEEL

13066	**South Gate, CA** **Design and construct rotary hearth furnace**	**WRS** **6/83**
13232	Furnish combustion components for 12MM BTU/Hr forge furnace	11/83 RPA
13580	**South Gate, CA** **15' Rotary Hearth Furnace**	**8/84**
13667	South Gate, CA Repairs to Rotary Hearth Furnace	10-84
13671	South Gate Repair Furnace #916 Car	10-84
13762	South Gate Ca #917 Furnace Car	12-84
A-	914 Furnace	
B-	915 Furnace	
C-	Tera Furnace	
D-	R B Furnace	
13971	South Gate Furnish N. American Components for heat treat furnace	6-85
	A- Furnish Spencer blower for heat treat furnace	
14019	South Gate Supply remote control panel of rotary hearth furnace	7-85
14035	So Gate Install lining in large ring in heat treat furnace	8-85

SHULTZ STEEL (CONT.)

14177	South Gate Various furnace repairs A - 911 & 913 furnace B - DV furnace C - 916 furnace	12-13-85
14287	South Gate Modify curtain wall	4-4-86
14375	South Gate Supply material for Detrick Curtain wall (We may perform labor to install Detrick Wall)	6-30-86
14378	South Gate Rotary Furnace Repair	7-1-86
14389	South Gate Repair Jambs & Arches of Door	7-10-86
14493	Refractory repair UF furnace	11/86
14620	Refractory repairs furnace #915	2/87
14641	Repair discharge door on D8 furnace	3/87
14663	Refractory repairs to #916	3/87
14666	Repair UR furnace	3/87
14668	Retrofit flat flame burner on D8 furnace	3/87
14708	Rebuild lining in #913 furnace	5/87
14712	Repair roof in D8 furnace	5/87
14853	South Sate, CA Repair Holcroft Rotary Furnace	9-30-87

SHULTZ STEEL (Cont.)

15068	South Gate, CA Repair UR Furnace Roof	5-12-88
15119	South Gate, CA Repair to FD-8 Furnace	7-1-88
15120	South Gate, CA Repairs to 917 Furnace Jamb and Curtain Wall	7-5-88
15122	South Gate, CA Fabricating Star Tiles	7-5-88
15124	South Gate, CA Replace Burner Tiles on UF Furnace	7-5-88
15130	South Gate, CA Repair hearth on Holcroft Rotary Furnace	7-7-88
15139	South Gate, CA Repairs to 915 Furnace Roof and Curtain Wall	7-13-88
15147	South Gate, CA Repair 910 Car Bottom Furnace	7-21-88

SIERRA INDUSTRIES

14678	Carson Yard Install refractory in Mass Airfion heater	4/87

SIERRA REFINING COMPANY

224 - Retort

287 - One (1) $\frac{8\text{-}12}{20'}$ Retort

NO. A01-11 R ZIP

SIERRA STEEL FORGING COMPANY

4883 - Los Angeles - To Rebuild Brickwork on 6 ft. x 9½ ft. Furnace

5020 - Los Angeles - Brick Setting of Forge Furnace
(A) - Repairs to Brick Setting on Forge Furnace

5092 - Torrance - Repairs to Furnace Brickwork

5723 - C B S Steel & Forge - Vernon
Furnace Repairs

SIERRA TIMBER

10060	J T Thorpe & Son Inc Gardnerville, Nevada Boiler Repair	11/77

SIGNAL HILL, CITY OF, CALIFORNIA

6601 - See Chas. W. Pettifer
Incinerator Lining

SIGNAL OIL AND GAS COMPANY

9879 Hancock Plant - Signal Hill
Repairs to Born Upslow Heater F4 Preheating Furnace

1194 - See Ofcco Constr Co - Bakersfield
Line Two (2) Petrochem Heaters

1197 - See Ralph M Parsons Co - Bakersfield
Repairs to Portable Heater

1214 - See Southwestern Engr Co - Bakersfield
Labor & Material to construct lining in One (1) Petrochem Heater

2253 - Bakersfield - Labor and material to Install Breeching and Duct Lining in U.O.P. Heater
(A) - Repairs to U.O.P. Heater

2318 - Bakersfield - Repair lining in V 505 Burner, Fluid Coking Unit

2346 - Bakersfield
Repair lining in V-505 Burner Fluid Coking Unit

2620 - Bakersfield - Repairs to TCC Kiln

2828 - Inglewood - Necessary repairs to Petro-Chem Furnace

2893 - Bakersfield
Repairs to Coking Unit

2932 - Cascade Carbon Department
Bakersfield
Design and construct Coke Sintering Retort

3026 - Bakersfield
Repairs to T.C.C.Kiln

SIGNAL OIL & GAS COMPANY (Contd)

3066 - See Jacobs Engineering Company
Cascade Carbon Department
Bakersfield
Supply and install Hydraulic Actuators on
Cascade Carbon Coke Kiln

3342 Bakersfield
Furnish lined flue gas outlet lines per
signal oil srawing S-230

3353 Bakersfield
Refractory repairs to reinery fluid coker unit

3361 NATIONAL SALES Co (LA)
Huntington Beach
Repairs to gas steam generator

3526 Huntington Beach
Necessary repairs to steam generator

3569 Bakersfield
Necessary repairs to hydrogen waste heat boiler

3600 Cascade Carbon Company
Bakersfield
Design and construct coke kiln
(A) Engineering and installation of foundation & utilities.

3534 CASCADE CARBON CO.
Bakersfield
Modification of charge end.
(A) Provide air metering orifice for test cupola
8" air line.

3645 Bakersfield Nov/65
Furnish 4 elbows for flue gas line at waste heat
boiler.
(A) Furnish and install refractory lining in waste
heat boiler

3667 Huntington Beach
Repairs to steam generator.

SIGNAL OIL AND GAS COMPANY (Con't)

3773 Huntington Beach
Repairs to gas generator

(A) Repairs to gas generator damaged by explosion

3821 Bakersfield
Repair fluid coking unit

Dec/65

3873 Bakersfield
Necessary repairs to kilns

(A) Necessary repairs to gas con debutanizer reboiler heater

(B) Necessary repairs to Peabody air heater

Oct/66

4220 Bakersfield
Install new lining in vestibule, waste heat boiler, hydrogen unit

(A) Necessary repairs to Selas reformer unit

4362 Bakersfield
Repair fluid coking unit

4668 Bakersfield
Repair fluid coking unit

6/67

4847 Bakersfield
Repair Alcorn Heater #21 - H

4960 Bakersfield
Necessary repairs on crude unit heater 11 H 11
(A) repair #18-H-11 Vacuum heater

5031 Bakersfield
Necessary repairs to coker

5123 Bakersfield
Repair hydrocracker units 21H11 and 21H12. (4/68)
A) Repair duct lining Selas reformer heater (4/68)

5428 Bakersfield
Repairs to reformer heaters.
"A" AA22 lining for one coker cyclone.

5755 Bakersfield 6/16
Install AA22 wear panel in Quench tower of fluid coker unit

5950 R M Parsons Bakersfield 10/16
Repairs Econtherm Heater
B Labor repairs to refractory in 22h12 htr
C 1/19 install firebrick in Htrs for reformer B

6191 Bakersfield Replace 6 ft gunite lining in fluid coke burner with one shot 4/70
A Repair hydrogen hydro furn (Selas Htr)

SILLERS PAINT & VARNISH COMPANY

7402 - Los Angeles - To Reline Ball Mill

NO. 301-11R U.S.A.

SIMCAL CHEMICAL COMPANY

12672	El Centro, CA Renew burner throat #2 erie city boiler	5/82

SIMONS BRICK COMPANY

/lo

5726 - 7101 Rivera Road, L. A. County, South of Montebel-
Brick Setting for Two (2) Firebox Boilers
(A) - Boiler Insulation
(B) - Repairs to Insulation
(C) - Insulation Repairs
(D) - Brickwork on Firebox of Boiler

10. 801-11 R ZIP U.S.A.

SIMPSON, WM., CONSTRUCTION CO.

4184 - U. S. Naval Hospital - Corona
Incinerator Stack Lining

NO. 301-11 R — U.S.A.

SINCLAIR REFINING COMPANY

7455 - See The Ralph M. Parsons Company
Marcus Hook, Pennsylvania
To Erect One (1) Waste Gas Incinerator

8149 - See the Ralph M. Parsons Company
Houston, Texas
Waste Gas Incinerator
(H.O. Job No. 928)

8465 - See The Ralph M. Parsons Company
Marcus Hook, Pa. - Waste Gas Incinerator
Materials and Engineering

NO. 301-11R W U.S.A.

SINTON & BROWN CO.

6093 - See Standard Steel Corporation
Betteravia, Calif. - Repairs to Dryer

6227 - See Standard Steel Corporation
Betteravia, Calif. - To Install 2400 - 6" Kiln Blocks in Rotary Kiln

6582 - Betteravia, Calif. - To Repair Dryer Firebox

6872 - Betteravia, Calif. - To Install Burner Throats in Three (3) Dryer Fireboxes

NO. 801-11 R ZIP U.S.A.

SMITH CHEMICAL

9062	Lynwood Furnish Flame Safety & Temperature Control Flame'	12/75
10008	Western Wheels (SALCO) - Lynwood Install New Pilot System	9/77

SMITH CRANE & RIGGING CO.

3266	Los Angeles North American Aviation Inglewood Repair roof in Hevi-duty Furnace
5075	Los Angeles Union Oil Co Wilmington Repair damage to lining of Born Heater

SMITH EMERY COMPANY

440 - Skinner, Calif. - One (1) 13' x 52' Lime Kiln

2053 - Kuhnert Syndicate - Skinner, Calif.
One (1) 56" x 16' HRT Boiler

2067 - Skinner, Calif. - One (1) Herreshoff Furnace

2136 - Kuhnert Syndicate
Wedge Roaster

2200 - Kuhnert Syndicate - Inyo County
Bigelow Tile for HRT Boiler

2233 - Kuhnert Syndicate - Bartlett, Calif.
One (1) 72" x 18' HRT Boiler

NO. 801-11 R 2IP U.S.A.

SMITH FORGE CO.

7420 Compton
Modification to walking beam furnace. 11/72

SMITH, H. C., CO.

6468 - E. B. Badger & Sons Company (Refer to Job 6526)
Hancock Chemical Company - Wilmington
To Install Acid-Proof Brick Lining for One (1)
12 ft. dia. Sulphur Converter

(A) - To Install Brickwork in Waste Heat Boiler; also
to Replace Burner Blocks in Auxiliary Boilers

6526 - E. B. Badger & Sons Company
Hancock Chemical Company - Wilmington
To Furnish Labor only to Brick Burner on Waste
Heat Boiler
(Refer to Job No. 6468)

SMITH TOOL COMPANY

1457 - Los Angeles - Necessary repairs to Electric Furnace

SMITH TOOL CO

8366	Compton Repairs to walking beam furnace	7/74
9611	Gardena - Replace Curtain Wall & Spring Arch on #1053 Furnace	1/77
"A"	Repair Arch	
"B"	Replace Curtain Wall & Jambs	3/77
9629	Gardena - Repairs to Forge Furnace	2/77

SMITH, H. C., CONSTRUCTION CO., AND MYERS BROS.

8968 - Gladding, McBean & Co. - Corona
Design, Supply, and Construct 27 Clay-Pipe
Drying Units

(A) - Dryer Instrumentation

NO. 901-11-R U.S.A.

SMITH, H. C., OIL TOOL COMPANY

6960 - Compton - Labor only to Install Brickwork in Forge Furnace

7551 - Compton & Avalon Blvd. - Compton, Calff. - Necessary Brickwork to One (1) Car Furnace

NO. 501-11 R IPM U.S.A.

SMITH TOOL COMPANY

1457 Los Angeles - Nec repairs to Electric Furnace

SMOKEY VALLEY MINING CO

14106 Round Mountain Nevada
Provide Engineering report on
rotary carbon furnace 10-85

SMOOT-HOLMAN COMPANY

2085 - One (1) C. I. Enameling Furnace

2471 - Repairs to Smelter

2566 - Repairs to Enamel Furnace

2681 - Repairs to Enamel Smelter

2716 - Furnace Alterations

2927 - Inglewood - Repairs to Enamel Furnace

2941 - Inglewood - Repairs to Enamel Furnace

2991 - Repairs to Enamel Furnace

3004 - Repairs to Furnace #3

3061 - Repairs to Enamel Furnace

3180 - Repairs to Enameling Furnace

3237 - Repairs to Enameling Furnace

3431 - Repairs to #3 Furnace

3454 - Repairs to Enameling Furnace

3623 - Repairs to Furnace Door

3649 - Repairs to Enamel Furnace of Ball Mill

3725 - To Reline Ball Mill

3893 - Inglewood - To Rebuild Enamel Frit Furnace

4618 - Inglewood - Rebuild Muffle Type Enameling Furn.

5173 - Inglewood - To Reline #6 Ball Mill

5355 - Inglewood - To Reline #4 Ball Mill

5757 - Inglewood - To Reline Ball Mill

6106 - Inglewood - Brickwork on Incinerator

6492 - Inglewood - To Repair Muffle in Continuous Enameling Furnace

6915 - Inglewood - To Reline One (1) Porcelain Ball Mill

7246 - Inglewood - To Rebrick Furnace Floor and Arches as needed.

7860 - Inglewood - Reline Mill

8175 - Inglewood - Repair Muffle & Piers on Continuous Enameling Furnace

(contd.)

SMOOT HOLMAN COMPANY (contd.)

8501 - Inglewood - Reline Ball Mill with McDaniel Hi-Density Lining

8521 - Inglewood - Repair Enameling Furnace

9281 - Inglewood - Line One (1) 36 x 48" Ball Mill

9485 - Inglewood - Repair Muffle on Enameling Furnace

SNELSON INCORPORATED

9316 TEXACO INC - Anacortes, Wash 5/76
Refractory Repairs during FCC Turnaround

"A" Extra Work

SOCAL OIL & REFINING COMPANY

2752 - See Consolidated Oil Co. - Huntington Beach Foster-Wheeler Oil Heater

3544 - U. O. P. Top Crude Heater

4215 - Huntington Beach - Repairs to Two (2) Class "Q" No. 15 Stirling Boiler Settings

4887 - Huntington Beach - Burner Brickwork - FW Heater

5643 - Huntington Beach - Brickwork Repairs to Re-Run Htr

5800 - Huntington Beach - Boiler Furn. Brickwork Repairs

5948 - Huntington Beach - Light Oil Heater Furnace Brick-work Repairs

6293 - Huntington Beach - #1 Boiler - Repairs to Bridge Wall

6918 - Huntington Beach - Repairs to Foster-Wheeler Oil Heater

1104 Huntington Beach - Install Firebox in Locomotive Type Boiler

1138 Huntington Beach - Repairs to Light Oil Heater

1154 - See C. C. Moore & Co. Engineers
Huntington Beach - Repairs to B&W FM Type Boiler

1599 - Huntington Beach - Necessary repairs to Light Oil Heater

1379 - Huntington Beach - Necessary repairs to #14 Boiler

2162 - Huntington Beach - Labor and material to install burner in #14 Boiler

2280 - Huntington Beach - Repair Bridge Wall on Hot Oil Heater

2421 - Huntington Beach - Repair Side of Crude Still

2518 - Huntington Beach - Necessary repairs to #2 RR Heater

SOCONY MOBIL OIL COMPANY

3086 - See The Ralph M Parsons Constr Co of Canada Ltd
Wimborne, Alta, Canada
Design and supply one Waste Gas Incinerator

SOCONY PAINT PRODUCTS COMPANY

9104 - Vernon - Reline 140 gal., 44" dia. x 4'-0" long
Ball Mill with Jaspar Stone

SOHIO COKE

14170	Lake Charles Make sketch & cost est for adding a spill chamber on 2 kilns	12-85

SOLAR AIRCRAFT COMPANY

7241 - San Diego - Enclosure for One (1) General Electric Elevator Type Furnace and One (1) Elevator Car

8982 - San Diego - Lining for G. E. Elevator Furnace and Two (2) Cars

NO. 801-11R U.S.A.

SOLAR MANUFACTURING CORPORATION

8486 - Vernon - Brickwork Repairs to Harper Electric Furnace

(A) - Repair Harper Electric Furnace

8597 - **Los Angeles - Install Brickwork on Kiln Car Tops**

SOLAR TURBINE INC.

14890	Carson Yard, CA Necessary repairs to Impact Seperator	10-27-87
14957	Carson Yard, CA Two RSK 2301746 and Two RSK 2301747 Impact Seperators	12-21-87

SONIC DEVELOPMENT CORP.

14961	Orange, Texas Furnish and install corrosion lining in Quench Tower	12-31-87

SONKEN-GALAMBA

2378 - Torrance - Design and Construct
20,000 lb. Aluminum Melting Furnace

2449 - Gardena - Necessary repairs to
Holding Furnace

2460 - Gardena - Labor and material to Increase
Burner Capacity of Thorpe Furnace

2491 - Gardena - Necessary repairs to Melting Furnace

2575 - Gardena - Repairs to Melting Furnace

2664 - Gardena - Repairs to Arch of Thorpe
Melting Furnace

See S-G Metals
front of book

SORCHA BORU CERAMICS

5615 - San Carlos - Minton Sliding Slab Kiln

NO. EG-11 R IPF U.S.A.

SOULE STEEL COMPANY

9918 Los Angeles - Labor and Material to Install Refractories in Rolling Mill Furnace
(A) Labor to Brick Rod Oven
(B) Material Extra

9992 Dominguez - Design, Supply and Construct One (1) 24 ton Re-Heat Furnace

1212 Dominguez - Labor & Material to modify Reheat Furnace.
(A) Line Ladles

1331 - Dominguez - Design & supply One (1) Ladle Heating Hood & Burner Equipment

1361 - Dominguez - Labor & material to repair Reheat Furnace

(A) - Repair discharge door opening at Billet Ejector Slot

(B) - Repair Curtain Wall in Door

1443 - Torrance - To Renew Arch on Electric Furnace Damaged by Explosion.

(A)- Necessary repairs to Preheat Furnace
(B)- Repair Charge End Reheat Furnace
(C) - Repair Push Trough & Soak Hearth
(D) - Repair Push Trough & Soak Hearth

1653 - Dominguez - Labor & Material to Repair and Modify One (1) Billet Reheating Furnace

1665 - Dominguez - Labor and Material to Repair Billet Heating Furnace

(A) - Repair Billet Furnace

2027 - Dominguez - Rocker Arm Reheat Furnace

(A) - Install Bolts to Anchor Reheat Furnace to Slab

2151 - Long Beach - Necessary repairs to Large Reheat Furnace

2247 - Dominguez - Repair Soak Hearth of Reheat Furnace

(Contd next page)

SOULE STEEL COMPANY (Continued)

2273 - Dominguez - Labor and material to design and construct Afterburner for Scrap Car Body Incinerator

2428 - Dominguez - Repairs to Slab Furnace

2494 - Dominguez - Repairs to Billet Heater Doors

2617 - Dominguez - Labor only to make necessary repairs to Hearth on Reheat Furnace

2700 - Dominguez - Necessary repairs to Billet Heater

2758 - Dominguez - Repairs to Reheat Furnace

2860 - Dominguez - Necessary repairs to Reheat Furnace

2931 - Dominguez - Repairs to Reheat Furnace

2948 - Dominguez - Repairs to Reheat Furnace

3107 - Dominguez - Repairs to ReHeat Furnace

3138 Dominguez - Necessary repairs Reheat Furnace

3208 Dominguez
Necessary repairs to pre-heat furnace

3281 Dominguez
Repair pre-heat furnace

3314 Dominguez
Renew curtain wall on reheat furnace

3315 Dominguez
Install lining in Tundish Ladle, slag box and emergency slag box.

(A) Install paving around continuous casting machine

SOULE STEEL COMPANY (Dominguez/Long Beach)

3374	Rep. preheat furnace	
3380	Construct 1 ladle lid with burner	
3538	Rep. preheat furnace	
3554	Rep. reheat furnace	
3656	Rep. reheat furnace	
3707	REp. reheat furnace	
3741	Rep. reheat furnace	
3795	Rep. reheat furnace	
3829	Rep. reheat furnace	
3868	Rep. reheat furnace	
4040	Rep. reheat furnace 'A' - Rep. reheat re-roll furnace	
4290	Rep. reheat furnace	
4581	Rep. reheat furnace	
4647	Rep. reheat furnace (Detrick)	
4801	Install brick in tundish ladle	
4818	Rep. reheat furnace	
4876	Rep. 4 tundish boxes	10/67
4906	Rep. reheat furnace	11/67
5030	Rep. reheat furnace	2/68
5102	Rep. reheat furnace	4/68
5137	Rep. reheat furnace 'A' - Rep. trough and door jamb on north wall of preheat furnace	5/68

SOULE STEEL CO (Dominguez/Long Beach) cont'd

5169	Rep. reheat furnace	5/68
	'A' - replace lower section curtain wall	
	'B' - replace section of trough under discharge door	
5258	Design and construct Billet Heater Discharge End Extension	7/68
	'A' - Design and construct roof stacks	3/69
5338	Rep. reheat furnace	
	'A' - same	
5459	Rep. reheat furnace	
5481	Rep. reheat furnace	12/68
5530	Replace 15 ft flat section of main arch with Detrick MSA Construction	1/69
	'A' - Labor and materail to install new hearth and labor for misc reprs.	3/69
	'B' - Replace Detrick curtain wall	4/69
	'C' - Tear out	
5623	Rep. reheat furnace	3/69
5963	Rep. reheat furnace	10/69
6014	Rep. reheat furnace	12/69
	A-Repair bull nose B-Furnish Detrick tile	
6058	Rep. reheat furnace	12/69
6130	Rep. reheat furnace	2/70
6183	Dominguez Repair Reheat furnace	4/70
6206	Long Beach Repair Hearth for reheat furnace	
6256	Long Beach Repair reheat furnace	
6336	Dominguez Repair reheat furnace	

SOULE STEEL CO (Dominguez/Long Beach) contd

6369 6369A	Rebuild reheat furnace Furnish labor and matl including anchor bolts to gunite 2" castable refractory in pit under con-casting machine.	8/70
6458 6458A	Repair reheat furnace Repair jambs on west door of south wall.	10/70
6489	Repair reheat furnace.	11/70
6537	Repair reheat furnace.	12/70
6594 A-	Repair Smoking Section - Reheat Furnace Gunite Castable Refractory on Side Wall of Pit on Casting Furnace	2/71
6694	Repair Reheat Furnace	4/71
6808	Repairs to Reheat Furnace	7/71
6878	Repair Preheat Furnace	9/71
"A"	Repair Castable refractory in Preheat Furnace	
6929	Repair Reheat Furnace	10/71
7008	Repair to skid rail	1/72
7048	Repair Reheat Furnace	1/72
7076	Repairs to Reheat Furnace	2/72
7141	Repairs to reheat furnace	4/72

SOULE STEEL COMPANY (Continued)

7193	Long Beach Repair Reheat Furnace	5/72
7220	Long Beach Furnish Special Ladle Heater Burner Tile	6/72
7257	Long Beach Repair pre heat furnace	6/26/72
7762	Long Beach Repair Reheat Furnace	7/73
7972	Long Beach Repair reheat Burner	11/26
8021	Long Beach Nec. repairs to the curtain wall on reheat furnace	12/38
8037	Dominguez Reapir side walls and discharge end wall with plastic firebrick	1/8
8267	Furnish five special ladle heater burner tile	5/74
8436	Repairs to reheat furnace	8/74
8583	Long Beach Repair Reheat	12/74
8665	Long Beach Repairs to Reheat Furnace.	1/75
8722	Long Beach Repairs to Reheat Furnace	3/75

SOULE STEEL COMPANY (Cont'd)

8961	Long Beach - Nec Repairs to Reheat Furnace	8/75
9384	Long Beach - Nec Repairs to Reheat Furnace	8/76
9653	Long Beach - Nec Repairs to Reheat Furnace	2/77
10268	Carson - Supply Temperature Controls for Billet Reheat Furnace	3/78
10725	Carson - Labor only to install 9" plastic roof & 4" ceramic fliber veneer	1/79
"A"	Repairs to billet reheat furnace	
11468	Carson To repair reheat furnace	3/80
11780	Los Angeles Repairs to reheat furnace	9/80
12653	PLAS-TAL Santa Fe Springs Furnish and install castable lining in duct work	RCN 5/82
12775	PLAS-TAL Long Beach, CA Install refractory in four ducts	8/82

SOULE STEEL

12994	South Gate, CA Install burner block and provide burner and equipment	4/83
13390	Long Beach, CA Refractory Repairs to Reheater Furnace Hearth Dropout, ChargeWall and Bullnose	3/84
A-	Fabricate and Install Air manfold and concrete Repair East Wall Flue	
B-	Labor and Material to install lining on sill at charge wall jambs north zone excess door and dropout extension	
C-	Cast AR400 at Discharge	
13458	Dominguez, CA Refurbish Cadre Laddle Preheater	5/84
13523	Carson, CA Repairs to Bullnose	6/84
13637	Long Beach CA Repairs to Test Bar Furnace	9/84
13653	Carson CA 67' Salvage Furnace Hearth Reconstruction	10/84
13769	Carson Ca Repairs to Reheat Furnace Bullnose	12-84
13805	Long Beach, CA Patch burner and replace hanger	1/85
13803	Los Angeles, CA Laddle heater reline	JEA 1/85

SOUNDCAST FOUNDRY CO.

7979 - Alhambra - Labor only to Install Refractory Linings in Two (2) 500 lb. Electric Melting Furns.

SOUTHERN CALIFORNIA EDISON COMPANY, LTD.

223 - See C. C. Moore & Co. Engineers
Eight (8) Class "M" #31 Stirling Boilers

237 - See Stone & Webster Eng. Corp.
To Install Inspection Door and Stack

2336 - Alhambra - Repairs to Incinerator

4194 - Long Beach - Steam Plant #2
Burner Wall Repairs to Furnace of Boiler #35

4214 - See Stone & Webster Eng. Corp.
Repairs to Boilers in Sta. #2

4648 - Long Beach - Brickwork Repairs to Boiler #54 - Boiler House #3
(A) - Furnace Brickwork Repairs to Boiler #50 in No. 3 Plant - Boiler House #3
(B) - Repairs to Furnace Walls of Boiler #37) Blr.H.#2
(C) - Repairs to Furnace Walls of Boiler #49) Plant #3
(D) - Repairs to Furnace Walls of Boiler #51 - Boiler House #2, Steam Plant #3
(E) - Repairs to Furnace Walls of Boiler #53 - Plant #3
(F) - Repairs to Furnace Walls of Boiler #53 - Boiler House #2, Plant #3

5224 - Long Beach Steam Plant - Repairs to Bridge Wall in #42 Boiler

5328 - Long Beach Steam Plant - Terminal Island
Repairs to Furnace Walls of Boiler #53

5394 - Alhambra - Brickwork and Insulation Repairs to Testing Laboratory Oil Heater

5458 - See C. C. Moore & Co. Engineers
Long Beach Steam Plant #3 - Baffle Work on Three (3) Boilers
(A) - Insulating Piping for Boilers #49, #50, and #51

5492 - Long Beach Steam Plant - Repairs to Furnace Front Wall on Boiler #51 in Plant #3
(A) - Boiler #49 Repairs

5556 - Long Beach Steam Plant - Repairs to Furnace of #54 Boiler
Stone & Webster Engineering Corp.

5575 - See C. C. Moore & Co. Engineers
Redondo - New Steam Plant - Four (4) Type "RB" B. & W. Boilers - Brickwork and Insulation
(A) - Xtra.Material (contd.) (B) Glass Cloth Seals

5575 -
(C) Premium Time
(D) Rprs. to Attemperator Ins.

SOUTHERN CALIFORNIA EDISON COMPANY, LTD. (contd.)

5606 - Long Beach Steam Plant
Boiler #28 - To Rebrick Front Wall

5618 - Long Beach Steam Plant
Boiler #37 Furnace Repairs

5692 - Long Beach Steam Plant
Repairs to Boiler Furnace #18, Plant #1
(A) - Repairs to Boiler Furnace #38, Plant #2

5724 - Long Beach Steam Plant
Repairs to Boiler Furnace #42
(A) - Boiler #40 Repairs
(B) - Boiler #39 Repairs
(C) - Boiler #47 Repairs
(D) - Boiler #33 Repairs
(E) - Boiler #26 Repairs
(F) - Boiler #46 Repairs
(G) - Boiler #35 Repairs
(H) - Boiler #36 Repairs

5808 - Long Beach Steam Plant - Plant #2
&A-G Miscellaneous Repairs to Insulation

5812 - Long Beach - Boiler #50 Repairs
(A) - Repairs to Boiler #42
(B) - Repairs to Boiler #43
(C) - Repairs to Boiler #31
(D) - Repairs to Boiler #23
(E) - Repairs to Boiler #46
(F) - Repairs to Boiler #17
(G) - Repairs to Boiler #51
(H) - Repairs to Boiler #41

5834 - Long Beach Steam Plant
&A-K Unloading Refractory Material during Year of 1947

5852 - Long Beach Steam Plant - Plant #3
&A-G Miscellaneous Repairs to Insulation

5860 - Long Beach - Repairs to Boiler #52
(A) - Repairs to Boilers #29 & #30
(B) - Repairs to Boilers #31 & #32
(C) - Repairs to Boilers #13 & #14
(D) - Repairs to Boilers #21 & #22
(E) - Repairs to Boilers #54
(F) - Repairs to Boilers #27 & #28
(G) - Repairs to Boiler #44
(H) - Blrs. #3 & #4
(I) - Blr. #25
(J) - Blr. #23

(contd.)

SOUTHERN CALIFORNIA EDISON COMPANY, LTD. (contd.)

5886 - See C. C. Moore & Co. Engineers
Long Beach Steam Plant - Boiler Insulation

5903 - Long Beach Steam Plant - Boiler #49 Repairs
(A) - Repairs to Boiler #24
(B) - Repairs to Boilers #9 & #10
(C) - Repairs to Boiler #53
(D) - Repairs to Boiler #37
(E) - Repairs to Boilers #11 & #12
(F) - Repairs to Boilers #29 & #30
(G) - Repairs to Boiler #42
(H) - Repairs to Boilers #13 & #14
(I) - Repairs to Boilers #15 & #16
(J) - Repairs to Boilers # 5 & # 6
(K) - Repairs to Boilers #19 & #20
(L) - Repairs to Boilers #37
(M) - Repairs to Boilers #21 & #22
(N) - Repairs to Boiler #34
(O) - Repairs to Boilers #1, #2, #3, & #4
(P) - Repairs to Boiler #33
(Q) - Repairs to Boilers # 7 & # 8

5968)- Long Beach - Plant #1
&A-F) Emergency Miscellaneous Brickwork Repairs to Boilers Nos. 1 to 32 inclusive

Extra--Use of Elevator
(A) Rental of Air Tamper
(B) Glass Cloth Seals

5989 - See C. C. Moore & Co. Engineers
Redondo - New Steam Plant
Refractories and Heat Insulation for Three (3) Additional Type "RB" B. & W. Boilers

6028 - Long Beach - Boiler #38 Repairs
(A) - Boilers #17 & #18
(B) - Boilers #23 & #24
(C) - Boiler #41
(D) - Boilers #25 & #26
(E) - Boiler #39
(F) - Boilers #31 & #32
(G) - Boiler #45
(H) - Boilers #29 & #30
(I) - Boiler #40
(J) - Boiler #46
(K) - Boilers #27 & #28
(L) - Boilers # 9 & #10
(M) - Boilers # 7 & # 8
(N) - Boiler #47
(O) - Boiler #37
(P) - Boilers #15 & #16
(Q) - Boilers #13 & #14
(R) - Boiler #42
(S) - Boilers # 1 & # 2
(T) - Boilers #17 & #18
(U) - Boiler #43
(V) - Boiler #35
(W) - Boiler #36

(contd.)

SOUTHERN CALIFORNIA EDISON COMPANY, LTD. (contd.)

6171 - Long Beach - Repairs to Boiler #33
(A) - Boiler #44
(B) - Boilers #35, #38, #39, #37, #40
(C) - Boilers #42, #43, #46, #47, #41, #45
(D) - Boilers #21, #22
(E) - Boilers # 5, # 6
(F) - Boiler #52
(G) - Boilers #9, #10
(H) - Boilers #13, #14, #15, #16
(I) - Boilers #50, #51
(J) - Boilers # 1, # 2
(K) - Boilers #11, #12
(L) - Boiler #49
(M) - Boilers # 3, # 4
(N) - Boiler #53
(O) - Boilers # 7, # 8
(P) - Boiler #52
(Q) - Boiler #54

6187 - Long Beach - Unloading Material for Year of 1948
(See Job No. 5834 for 1947)

6215 - See C. C. Moore & Co. Engineers
Long Beach - Brickwork Repairs at Soot Blower, Boiler #44
(A) - Remove and Relocate First Baffles in Boiler #44
(B) - Insulation Repairs at Superheater of Boiler #44
(C) - Insulation of Soot Blowers

6253 - See C. C. Moore & Co. Engineers

6253 (contd.)
(H) - Boiler #54 - To Repair with Quigley Gun
(I) - Boiler #33 - Cutting Baffle Tile
(J) - Boiler #34 - To Install Baffle
(K) - Boiler #36 - Insulation
(L) - Boiler #35 - Insulation Material
(M) - Boiler #35 - Labor
(F) - Insulation Repairs - Boiler #34 - Plant #2
(G) - Boiler #33 - Insulation Repairs

6286 - See C. C. Moore & Co. Engineers
Long Beach - Plant #2
Rental of Scaffolding, Boilers Nos. 33, 34, 35, 36

(contd.)

SOUTHERN CALIFORNIA EDISON COMPANY, LTD. (contd.)

6289 - Long Beach - Boiler #34 - Burner Repairs
(A) - Baffle Repairs
(B) - Balance of Work Required

6315 - Long Beach - Boiler #33 - Burner Repairs
(A) - Baffle Repairs
(B) - Balance of Work

6364 - Long Beach - Boiler #54 - Insulation Repairs

6389 - Long Beach - Boiler #36 - ~~Burner Repairs~~
~~(A) Baffle Repairs~~
~~(B) Balance of Work~~
Necessary Brickwork Repairs

6390 - See C. C. Moore & Co. Engineers
Long Beach - Boiler #36 -
To Remove and Reinstall Brickwork in Burners
(A) - To Furnish Labor to Install New Baffles and to Replace Refractories
(B) - Boilers #35 & #36--To Install Baffle Tile

6420 - Long Beach - Boiler #38 Repairs
(A) - Boilers #29 and #30 (B) Boiler #39 Repairs

6429 - Long Beach - Boiler #35 - Brickwork Repairs

6430 - See C. C. Moore & Co. Engineers
Long Beach - Boiler #35 - To Furnish Labor to Remove and Install Brickwork in Burner Front
(A) - To Furnish Labor to Remove and Install Baffle, as directed, in Boiler #35

6481 - Long Beach - Boiler #44 Repair
(A) - Repairs to Boiler #45 (B) Boiler #40

6511 - Long Beach - To Repair Boilers #23 and #24, #21, #22
(A) - Boiler #38
(B) - Boilers #46, #47
(C) - Boiler #52 Furnace Repairs
(D) - Boiler #43

6553 - See Bechtel Corporation
Long Beach - To Repair Boiler #33, #34, #35 and
(A) - To Repair Boiler #34
(B) - To Repair Boiler #35
(C) - To Repair Boiler #36

(contd.)

SOUTHERN CALIFORNIA EDISON COMPANY (contd.)

6574 - Long Beach - Plant #1
Steam Line - Misc. Insulation Repairs
(A) - Feedwater Line
(B) - Fuel Oil Piping

6575 - Long Beach - Plant #2
Steam Line - Misc. Insulation Repairs
(A) - Feedwater Line
(B) - Fuel Oil Piping

6576 - Long Beach - Plant #3
Steam Line - Misc. Insulation Repairs
(A) - Feedwater Line
(B) - Fuel Oil Piping
(C) - Piping and Equipment - Long Beach Plant #2
(D) - Piping and Equipment - Plant #3
(E) - Piping and Equipment - Plant #1

6583 - Long Beach - Brickwork Repairs to Boiler #37
(A) - Boiler #49 Repairs (B) - Boiler #51 (C) Blr. #52
(D) - Boiler #53 (E) Blr. #39 (F) Loading Brick on Pallets

6612 - See C. C. Moore & Co. Engineers
Long Beach - Plant #3
Rental of Scaffold for Installing Bailey Blocks in Boiler #54
(A) - To Insulate Rear and Side Walls of Boiler #54
(B) - Labor to Install Brickwork on Boiler #54

6641 - See C. C. Moore & Co. Engineers
Terminal Island - Long Beach Steam Plant #3 - Rehabilitation of Six (6) B. & W. Boilers, Nos. 49 to 54 inclusive:- Boiler #51
(A) - Material (B) - Scaffold Rental

6652 - See C. C. Moore & Co. Engineers
Long Beach - Rental of Scaffold for Modernization of Air Heaters on Boilers #49 to #54
(A) - Insulation Repairs on Steam Line

6689 - Redondo Steam Plant - #4 Boiler Repairs
(A) - #3 Boiler Repairs
(B) - Misc. Insulation Repairs
(C) - To Repair #2 Boiler
(D) - Misc. Insulation Repairs as required

SOUTHERN CALIFORNIA EDISON COMPANY (contd.)

6740 - See C. C. Moore & Co. Engineers
Redondo - To Insulate Attemperator on Boiler #2
(A) - ditto Boiler #4 (B) Rental of Scaffold & Equip.

6742 - See Macco Corporation
Long Beach Steam Plant - Unit #9
To Insulate Boiler Feedwater Headers

6749 - Long Beach Steam Plant #2
To Install and Repair Heat Insulation on Feedwater Piping for 15 Boilers

6801 - Redondo Steam Plant
Furnace Brickwork Repairs, Boiler #1
(A) - Necessary Repairs to #3 Boiler
(B) - Necessary Repairs to Boilers #5, #6, & #7
(C) - Necessary Repairs to Boiler #3
(D) - Necessary Repairs to #4 Boiler
(E) - Miscellaneous Repairs to Insulation
(F) - Insulation for Fuel-Oil Piping
(G) - To Apply Insulating Materials to Two (2) Duplicate Systems of Steam Piping
(H) - To Renew Lower Front of Boiler #3 with Plastic Fire Brick
(I) - Miscellaneous Insulation Repairs (L) Misc.
(J) - Miscellaneous Insulation Repairs Insul.
(K) - Miscellaneous Repairs to Insulation Repairs

6802 - See Macco Corporation
Long Beach Steam Plant
Repairs to Insulation

6809 - Long Beach - Misc. Repairs to Piping on Boiler #51 - Plant #3
(A) - Misc. Repairs to Piping & Equip. of Unit #10, Plant #3
(B) - Misc. Insulation Repairs to Piping
(C) - Misc. Insulation Repairs to Piping
(D) - Misc. Ins. Reprs. to Piping & Equip., Plants #2,3

(contd.)

SOUTHERN CALIFORNIA EDISON COMPANY (contd.)

6810 - See C. C. Moore & Co. Engineers
Long Beach Steam Plant #3 - Terminal Island
Rehabilitation of Six (6) B. & W. Boilers,
Nos. 49 to 54 inclusive:- Boiler #52, Labor
(Refer to Job 6641 on Blr. #51 for P. O.)
(A) - Material on above.
(B) - Scaffold Rental
(C) - To Install Expanded Metal in Tile and Insulation for Watercooled Walls
(D) - To Apply "Kaocast" to Furnace Walls
(E) - To Apply "Kaocast" between Stud Plates

6853 - Terminal Island - Necessary Repairs to Boiler #38

6854 - Redondo Steam Plant - Miscellaneous Insulation Repairs to Piping

6887 - C. C. Moore & Co. Engineers - See
(Labor) Terminal Island - Long Beach Steam Plant #3
Rehabilitation of Boiler #53
(For correspondence and Purchase Order, covering Six (6) Boilers, #49 to #54 incl., see Job #6641.)
(A) - Material for above.
(B) - Scaffold Rental
(C) - To Install Expanded Metal in Tile and Insulation for Watercooled Walls
(D) - To Apply "Kaocast" to Furnace Walls
(E) - To Apply "Kaocast" between Stud Plates

6895)- See C. C. Moore & Co. Engineers
Labor) Terminal Island - Long Beach Steam Plant #3 -
Rehabilitation of Boiler #54
(for correspondence and Purchase Order, covering Six (6) Boilers, #49 to #54 incl., see Job #6641)
(A) - Material for above.
(B) - Scaffold Rental
(C) - To Install Expanded Metal in Tile and Insulation for Watercooled Walls
(D) - To Apply "Kaocast" to Furnace Walls
(E) - To Apply "Kaocast" between Stud Plates

6926)- See C. C. Moore & Co. Engineers
Labor) Terminal Island - Long Beach Steam Plant #3 - Rehabilitation of Boiler #50
(For correspondence and Purchase Order, covering Six Boilers, #49 to #54 inclusive, see Job #6641)
(A) - Material for above
(B) - Scaffold Rental
(C) - To Install Expanded Metal in Tile and Insulation for Watercooled Walls
(D) - To Apply "Kaocast" to Furnace Walls
(E) - To Apply "Kaocast" between Stud Plates
(F) - Baffle Work

6940 - See Combustion Engineering-Superheater, Inc.
Long Beach Steam Plant, Plant #3
Refractory and Insulation Enclosure for One (1) C-E Boiler
Extra - Unloading Material for CE-SInc.
(A) - Blr. #52-Rpr. Brickwk.& Ins. Damaged by Warping of /Soot Hopper Seal /plates

6949) -See C. C. Moore & Co. Engineers
Labor) Terminal Island - Long Beach Plant #3 - Rehabilitation of Boiler #49.
(For correspondence and Purchase Order, covering Six Boilers, #49 to #54 inclusive, see Job #6641)
(A) - Material for above.
(B) - Scaffold Rental
(C) - To Install Expanded Metal in Tile and Insulation for Watercooled Walls
(D) - To Apply "Kaocast" to Furnace Walls
(E) - To Apply "Kaocast" between Stud Plates
(F) - Baffle Work

7010 - Long Beach, Terminal Island, Calif.
Long Beach Steam Station - Plant No. 2
Boiler #37 - To Install New Plastic Bridge Wall

7011 - Long Beach, Terminal Island, Calif.
Long Beach Steam Station - Plant No. 2
Boiler #46 - To Install New Plastic Bridge Wall

7012 - Long Beach, Terminal Island, Calif.
Long Beach Steam Station - Plant No. 2
Boiler #45 - To Rebuild Bridge Wall

7028 - See Bechtel Corporation
Terminal Island - Long Beach Steam Plant #3 - To Insulate Feed Water Control Piping for Boilers #49 to #54 incl.
(A) - To Repair Piping Insulation for Boiler #54

(contd.)

SOUTHERN CALIFORNIA EDISON COMPANY (contd.)

('50) 7042-1) Redondo Steam Plant - Labor and Material to
('51) 7042-2) Insulate Miscellaneous Piping
(A) - Boiler #2--Insulate Undercasing above Superhtr.
(B) - Repairs to Piping for Generator and Turbine #
(C) - Repairs to Attemperator--Boiler #
(D) - Repairs to Second Port Heater (Tank)

7045 - Long Beach - Necessary Repairs to Boiler #33
(A) - To Repair #36 Boiler

7067 - Redondo - Boiler #4, Burner Wall Repairs
(A) - To Insulate Superheater Roof Cover
(B) - To Repair Superheater Roof
(C) - To Repr. Insulation on Misc. Piping and Valves on #1 & #4 Steam Lines for 2nd Port Heater
(D) - To Repr. Insul. on #4 Turbine and Valves
(E) - To Repair Lagging on Misc. Piping and Valves on #4 Steam Headers for Boilers #5, #6, and #7
(F) - To Rebuild Burner Wall on Boiler #6
(G) - To Repair #5 Boiler
(H) - Boiler #5 - To Insulate Superhtr. Vestibule Cover
(I) - To Repair Insulation on #2 Turbine & Misc. Pipe
(J) - To Repr. Insul. on Drumhd. & Misc. Piping, Blr. /#2
(K) - To Repair #3 Boiler
(L) - Repair Lagging Around #1 and #2 Headers
(M) - Insulate Steam Pipes to Hog Jets

7078 - Terminal Island - Long Beach Steam Plant - Miscellaneous Repairs
To Repair Boiler #35
(A) - Extra Work on Front Wall of Boiler #37
(B) - Necessary Repairs to Boiler #45
(C) - Necessary Repairs to Boiler #46
(D) - Necessary Repairs to Boiler #51, Plant #3
(E) - Boiler #52 - To Insulate Top of Boiler
(F) - Boiler #42 - Necessary Repairs
(G) - Boiler #40 Repairs
(H) - Boiler #43 - Burner Wall Repairs
(J) - Furnace Repairs to Boilers #50 & #54
(K) - Boiler #35 Repairs
(L) - Boiler #47 Repairs
(M) - Boiler #36 Repairs
(N) - Boiler #39 Repairs
(O) - Boiler #43 Repairs
(P) - Insulation for #8-R Turbine

(contd.)

7118 - See The Robert L. Johnson Corp.
Long Beach - Plant #2
Fill Holes for Soot Blowers in Boiler #45
(A) - Boiler #46 - Brickwork Repairs; Also to Boilers #41,#42,#43,#47.
(B) - Repair Boilers.
(C) - Boiler 43,45,47-Plant 2 - Remove Baffles
(D) - Soot-Blower Pipe Insulation

7123 - See Stone & Webster Engineering Corp.
Redondo Beach - Insulation for Atmospheric Exhaust Piping for Turbines
(A) - Miscellaneous Insulation on Piping
(B) - Steam Fringes on Turbine Floor

7157 - Terminal Island - Long Beach Steam Plant-
Boiler #33 - To Rebuild Bridge Wall
(A) - Additional Repairs to Boiler Brickwork

7229 - Terminal Island - Long Beach Steam Plant -
Boiler #41 - To Rebuild Burner Wall
(A) - To Repair Furnace except Burner Wall in Blr. #41

7239 - Terminal Island - Long Beach Steam Plant
To Rebuild Bridge Wall in Boiler #34
(A) - Front and Side Walls - Boiler #34

7240 - Redondo Beach - Miscellaneous Steam Piping Insul
(A) - Pipe Work and Repairs on Heater
(B) - Lagging on Feed Water Valve
(C) - Lagging on Steam Pipe and Valves
(D) - Repair Lagging on #3 Unit
(E) - Repair Lagging on Nos. 1, 2, 3, 4 Steam Reducing Stations
(F) - To Reinsulate Attemporator Lagging & Misc. Steam Lines
(G) - To Re-Insulate Misc. Steam Lines,Steam Valves & Flanges thruout Plant, etc.
(H) - To Re-Insulate Underside of Boilers 1,2,3, & 4 Where Needed
(I) - To Re-Insulate APH Preheaters where Needed

7250 - Terminal Island - Long Beach Steam Plant
Bridge Wall - Boiler #38
(A) - Front and Side Walls - Boiler #38

(contd.)

SOUTHERN CALIFORNIA EDISON COMPANY (Contd.)

7283 - Redondo - Boilers #2 - Burner Port Repairs
(A) - Boiler #3 - Burner Port Repairs
(B) - Boiler #7 - Burner Port Repairs
(C) - Boiler #5 - Repairs

7383 - Terminal Island - Long Beach Steam Station
Plant No. 3 - Miscellaneous Piping and Equipment Insulation

7421 - Terminal Island - Long Beach Steam Plant
Miscellaneous Repairs to Repair Boiler #44
(A) - Boiler #52 Repairs
(B) - Boiler #54 Repairs
(C) - " #50 "
(D) - " #53 "
(E) - " #51 "
(F) - " #49 "
(G) - Boiler #43 Repairs #45 & #47
(H) - Boiler #55 Repairs
(I) - " #40 "
(J) - " #52 "
(K) - " #54 "
(L) - " #41-Replace Bridge Wall,Burner Wall &
(M) - Repair Insulation Unit #8R (Misc.Repairs to Side
(N) - Necessary Repairs to Boiler #42 (Walls
(O) - Boiler #34
(P) - Boiler #33
(Q) -

7453 - Redondo Beach - Miscellaneous Brickwork & Insulation Repairs for Year 1952 to Repair Boiler #7
(A) - Boiler #5 - Superheater Baffles
(B) - Insulation Work on Generator
(C) - Boiler #1 - Superheater Baffles
(D) - Boiler #5 - Burner Wall & "Kaocast" Repairs
(E) - Boiler #1 - Burner Wall & "Kaocast" Repairs
(F) - Boiler #6 - Baffles
(G) - Boiler #6 - Burner Wall
(H) - Boiler #4 - Baffles
(I) - Boiler #4 - Burner Wall & "Kaocast" Repairs
(J) - Insulation on High Pressure Turbine,Unit #3
(K) - To Insulate Steam Lines on Unit #3
(L) - Boiler #3 - Baffles
(M) - Boiler #3 - Kaocast,Burner Wall & Misc.
(N) - Boiler #2 - Baffles
(O) - Boiler #2 - Kaocast, Burner Wall & Mis.(Blowdown
(P) - Insulation Rprs to Lagging on Blrs.#1&#2 Vent Lines

7462 - See Combustion Engineering-Superheater Inc. Terminal Island - Long Beach Steam Plant - Repairs to Boiler #55

7527 - Redondo Beach - Insulate Main Steam Header Valves in #2 and #7 Boilers

7528 - Redondo Beach - Repair & Waterproof Boiler #1
(A) - Four Units - To Insulate Reducing Lines & Desuper
(B) - Units #2 & #3 - Insulate Evaporator Feed; Unit #1, Insulation, 1st Point Heater
(C) - Repair Lagging on #1 House Set -
(D) - Repair Lagging on #2 Unit
(E) - Brickwork on #1 Boiler
(F) - Repair Lagging on #2 Hoist Set
Cancelled (H) - Repair Lagging on Boiler Feed and Bypass Lines
Cancelled (G) - Repair Lagging on Mufflers
(I) - Repair Lagging on Air Preheater
Cancelled (J) - Repair Lagging on Induced Draft Fan
(K) - Insulation Repairs on #4 Generator

7564 - See Stone & Webster Engineering Corp. - Redondo - Replace Steam Line

7604 - Terminal Island - Long Beach Steam Plant Miscellaneous Repairs; Boiler #55 - Install Monolithic Baffle -
(A) - Boiler #55 - Misc. Furnace Repairs
(B) - Boiler #45 - Burner Wall Repairs
(C) - Boiler #46 - Repair
(D) - Boiler #40 - Repair
(E) - Boiler #49 - Repair
(F) - Boiler #37 - Repair
(G) - Boiler #33 - Repair
(H) - Boiler #44 - Repair
(I) - Boiler #55 - Repair
(J) - Boiler #38 - Repair
(K) - Boiler #50 - Work on Sloping Floor - Weld Lugs
(L) - Boiler #47
(M) - Boiler #54
(N) - Boiler #43
(O) - Boiler #35
(P) - Boiler #39
(Q) - Boiler #44
(R) - Boiler #36 - Renew Bridge Wall
(S) - Boiler #36 - Misc. Brickwork Repairs to Side Walls and Burner Wall
(T) - Boiler #50

(contd.)

SOUTHERN CALIFORNIA EDISON COMPANY

(U) - Boiler #42
(V) - Boiler #52
(W) - Boiler #49
(X) - Boiler #39
(Y) - Boiler #36
(Z) - Boiler #34

L. 7983 } X
L. 8012 }

7983 - See C. C. Moore & Co. Engineers - Redondo Beach
Stone & Webster Engineering Corp. - Boiler No. 8 RB 183
Steam Station No. 2 - Unit No. 5
Material Only for the Setting of One (1) 48'-0" wide/66" B&W Radiant Boiler
(A) - Replace Partial K-20 Castable on Interior of Recirculating Gas Duct

X 8012 - See C. C. Moore & Co. Engineers - Redondo
Stone & Webster Engineering Corporation ;
Redondo Steam Station - B&W Boiler RB-183
Erection of Refractories and Insulation - Labor Only
(A) - Reinsulating Part of Interior of Recirculating Gas Duct
(B) - Reinsulating Part of Interior of Recirculating Gas Duct
(C) - Point Up Cracks in Boiler Enclosure

L. 8031 }
L. 8172 }

8031 - See C. C. Moore & Co. Engineers-
Bechtel Corporation
El Segundo - El Segundo Station Unit No. 1
Refractory &. Insulating Materials Only for Setting on One (1) 48'-0" wide Radiant Boiler

8068 - Terminal Island - Long Beach Steam Plant
Miscellaneous Repairs - Boiler #33
(A) - Tear Out Front Wall - Boiler #34
(B) - Install Laclede Super Plastic - Boiler #34
(C) - Boiler #52 - Remove Old Tile from Floor & Install B&W "Kaocast" Cement
(D) - Repair Furnace of Boiler #45
(E) - Repair Furnace of Boiler #46
(F) - Repair Furnace of Boiler #43
(G) - Repair Furnace of Boiler #44
(H) - Repair Boiler #42
(I) - Repair Boiler #49

(contd.)

SOUTHERN CALIFORNIA EDISON COMPANY (CONTD.)

8173 - See C. C. Moore & Co. Engineers
Bechtel Corporation
El Segundo - Labor Only for Setting of One (1) 48'-0" wide B&W Radiant Boiler RB-223
(A) - Cover Exposed Lines with Aluminum
(B) - Remove & Replace Insul. Material on Attemperator Line, Sec. DH2
(C) - Replace Insul. after Repairs to North End Windbox
(D) - Replace Insul. Removed Due to Leaking Gasket Attemperator Water Spray
(E) - Repair Refrac. & Insul. at Header at Elevation 109
(F) - Remove & Replace Insulation on Boiler #1

8293 - See C. C. Moore & Co. Engineers
Bechtel Corporation
El Segundo - Unit No. 2 - Refractories and Insulation for One (1) Radiant Boiler #2 B&W RB-239 - Material Only

8297 - See C. C. Moore & Co. Engineers
Bechtel Corporation
Los Alamitos - Refractory & Insulation Material Only for One (1) B&W Radiant Boiler Unit No. 1 - RB-245
(A) - Labor for Unit No. 1 - RB-245
(B) - Fill between Flue & Air Duct above Air Heater
A-Extra - Unload Insulation from Railroad Cars
(C) - Insulation of Boiler Piping
(D) - Insulate 140' Reheat Superheater Drain Line
(E) - Change Insul. Const. at Two Recirculating Gas Ducts at Elevation 41 ft. to Suit Bechtel Corp.'s Metal Flashings
(F) - Insulate 12 Spots on Duct of Unit #1
(G) - Remove & Replace Insul. during Acid Cleaning & Wash Down of #1 Boiler
(H) - Remove & replace Insul. & Ref. at Front & Rear Furnace Walls - #1 Boiler

8455 - See C. C. Moore & Co. Engineers
Bechtel Corporation
El Segundo - Unit No. 2 - Labor Only to Install Refractories and Insulation for One (1) B&W Boiler #2, RB-239
(A) - Mineral Wool Packing between Hot Gas & Warm Air Ducts
(B) - Magnesia Block Insulation
(C) - Insulation of Boiler Piping
(contd.)

(contd.)

SOUTHERN CALIFORNIA EDISON COMPANY (CONTD.)

8455 - (contd.)
(D) - Insulate Burner Throats Unit #2
(E) - Labor to Reface Burner Throats
(F) - Insulate 7" Channels at Junction of Gas Outlet Hopper & Furnace Rear Wall

8476 - See C. C. Moore & Co. Engineers
Bechtel Corporation
El Segundo - (additional work required for Job No. 8173) - Recirculating Ducts for Installation of Flashing and Inst. Lines
(A)- Top of Hot Gas Duct - Damaged Repairs
(B) - Secondary Air Ducts - Installation of Flashing and Inst. Lines
(C) - Outlet Hopper - For Installation of Hopper Drain Piping

8531 - See C. C. Moore & Co. Engineers
El Segundo - Boiler #1 - Repair Drum Head
Cancelled -~~(A)~~- Repair Bottom of Primary Superheater Header Enclosure
(B) - Rpr. Block Insul. with K-22 ends of Recirculatir-- Duct Compartment

8548 - See C. C. Moore & Co. Engineers
Redondo - Remove and Replace Insulation

8560 - See C. C. Moore & Co. Engineers
Redondo - Remove and Replace Exterior Insulation for Renewing Furnace Tube Section of B&W Radiant Boiler RB-183

8569 - See C. C. Moore & Co. Engineers
Bechtel Corporation
Los Alamitos - Alamitos Steam Station Unit #2, RB-257 - Material Only for One (1) B&W Radiant Boiler
(A) - Labor Only for Above
(B) - Insulation of Boiler Piping
(C) - Insulation Fill between Gas Flue & Hot Air Duct
(D) - Unload C. C. Moore's Materials
(E) - Repair Damage to Blr. Unit #1
(contd.)

(contd.)

(L) - Caulk Mastic Weatherproof Coat at Hor. Buckstays & Shoe Guide Castings

[illegible] Side of Damper

[illegible] Level

(K) - Rpr. Insul. at Temperator Spray Connection

8570 - See C. C. Moore & Co. Engineers
Stone & Webster Engineering Corp.
Redondo - Redondo Steam Station - Blr. No. 9-RB266
Material Only for One (1) B&W Radiant Boiler
(A) - Labor Only for above
(B) - Apply Insulation to Opening in Stack of #7 Boiler
(C) - Install Wool Between Secondary Air Duct & Gas Flue
(D) - Insul. Two Each: Reheating Valves; Attemperator Spray Valves; Feed Water Valves

8751 - See C. C. Moore & Co. Engineers
Bechtel Corporation
Huntington Beach - South Coast Steam Station
Refractories and Insulation for B&W RB-276, Unit No. 1; C-5745
(A) - Cover Cost of Overtime to Finish Insulation at Lower Burner #1 Boiler
(B) - Rprs. to Alum. & Insul. Finish Damaged by Fire
(C) - Insulation Repairs

8752 - See C. C. Moore & Co. Engineers
Bechtel Corporation
Huntington Beach - South Coast Steam Station
Refractories and Insulation for B&W RB-286
Unit No. 2; C-5772

8831 - See C. C. Moore & Co. Engineers
Redondo Beach - Install Insulation Material On Seven (7) B&W Boilers RB-51 & RB-54
(A) - Replace Insulation around Seven (7) Utiliscope Boxes - Boilers #1 thru #7

8847 - See Bechtel Corporation
El Segundo - Unit No. 2 - Remove and Repair Insulation at Thermocouple at South End of Steam Drum

SOUTHERN CALIFORNIA EDISON COMPANY (contd.)

8881 - See C. C. Moore & Co. Engineers
El Segundo - Unit No. 1 - Remodel Burner Throat to Accommodate New Gas Burner Rings
(A) - Replace & Repair Insulation Damaged by Work on Damper Bearings

8923 - See C. C. Moore & Co. Engineers
- El Segundo - Install Refractory and Insulation at Burner Wall of Unit #2

9025 - See C. C. Moore & Co. Engineers
El Segundo - Unit #2 - Repairs to Insulation, on Recirculating Gas Fan Due to Fan Failure
(A) - Reinsulation of Gas Recirculating Fan of Unit #2

9044 - See C. C. Moore & Co. Engineers
Los Alamitos - Unit #1 - Renew and Replace Insulation on Header at West End of Boiler

9139 - See C. C. Moore & Co. Engineers
Los Alamitos - Unit #2
Repair Inside of Gas Recirculating Duct

9172 - See C. C. Moore & Co. Engineers
El Segundo - Insulation Alterations at Juncture of Rear Furnace Wall with Two (2) Utiliscope Housings - Boiler Unit #1 - RB-223
(A) - Ditto for Boiler Unit #2 - RB-239

(contd.)

SOUTHERN CALIFORNIA EDISON COMPANY (CONTD.)

9263 - See C. C. Moore & Co. Engineers
Los Alamitos - Alamitos Steam Unit #2,
B&W RB-286 - Repair Insulation for Installation of New Draft Connections in Gas Fan
(A) - Remove & Renew Insulation Where Thermocouples were placed into Reheat & Superheater Lines

9269 - See C. C. Moore & Co. Engineers
El Segundo - Replace Insulation around Edwards Valve on Attemperator Water Line Unit #1
(A) - Replace Insulation on Main & Reheat Attemperator Daily Control Valve
(B) - Repair & Replace Insulation on Attemperator Station on Unit #2
(C) - Repair & Replace Insulation at the Edwards Valve Unit #2.

9275 - El Segundo - Unit #1, RB-223
Repair Boiler Damaged by Explosion

9290 - See C. C. Moore & Co. Engineers
El Segundo - Unit #1 - Replace & Repair Insul. Damaged by Work on Damper Bearings
(A) - Unit #2 - ditto

9298 - See C. C. Moore & Co. Engineers

9336
(C) Remove & Replace Insulation on Secondary Superheater Header per C. C. Moore Instructions
(D) Field Alterations for Lower Furnace Rear Wall Tubes
(E) Remove & Replace Insulation on Burner Front
(F) Remove & Replace Insulation on Various Headers
(G) Remove & Replace Refrac. on Reheat Superheater between Wall Tubes
(H) Remove & Replace Insulation around Utiliscope
(I) Remove & Replace Insulation around Utiliscope Unit #2
(J) Remove & Replace Insulation on Burner Front Unit #2
(K) Insulate Steam Connections to Manometer on Silica Washer
(L) Insulate Body Portion of Safety Valves Units A&B
(M) Remove & Replace Insulation on Casing of Penthouse to permit installation of air seal line
(N) Remove & Replace Insul. on Penthouse for Installation of Expansion Joint

SOUTHERN CALIFORNIA EDISON COMPANY (CONTD.)

9351 - See C. C. Moore & Co. Engineers
Los Alamitos - Reinsulate around Reheat Attemperator Valves of Unit #1 - C-5668 - RB-245
(A) - Replace & Repair Insulation Damaged by Work on Damper bearings of Unit #1 C-5642
(B) - Repair & Replace Insulation on Recirculating Duct

9448 - See C. C. Moore & Co. Engineers
Redondo Beach - Reinsulate Clarage Gas Recirculating Fan on RB-266

9462 - See C. C. Moore & Co. Engineers
Los Alamitos - Reinsulate Clarage Gas Recirculating Fan on RB-245

9494 - See C. C. Moore & Co. Engineers
El Segundo - Insulate Area at Fenwall Switches in Unit #2

9496 - See C. C. Moore & Co. Engineers
Huntington Beach - Install Refractory & Insulation Materials for One (1) B&W Universal Boiler
(A)- Furnish & install Insulation including Alum. jacket on Superheater bypass valve heating Syst
(B) - Remove & replace Ins. over leaks in Boiler Tubes.
(C)- Remove & replace Ins. for installing temporary Thermocouples
(D) -Remove Ins. on Furnace Hopper
(E)- Furnish material & labor to replace Ins. & Brkwrk on Boiler UP 4
(E)- To replace Ins. & Brkwrk on Blr UP 4 damaged by tube leaks.
(F)- ~~To Replace Ins. & Brkwrk on Blr UP4 Damaged by~~
(G)- Install Aluminum Covers on Expansion Jts
(H)- Replace Refr. which were removed to cut gusset plate
(I)- Remove & Replace Ins. in Pent House Unit UP 4
(J)- Remove & Replace Ins. for rpr of Dampers UP 4
(K)- Replace Refr. on Rear Wall of Furnace
(L)- Labor & Mat. to repr Tube Leak Unit DP4
(M)- Remove & Replace Refr. acct. tube leak Unit DP4
(N)- Remove & Replace Ins. for Installation of Monometer
(O)- Remove & Replace Ins. to allow removal of Adj.Orifice
(P)- Remove & Replace Kaocrete B for Revising Gusset Plates
(Q)- Remove & Replace Ins. for rpr of Port Damper
(R)- Bldg Brick Pier & Ins. Tubes in Furnace Hopper
(S)- Remove & Replace Ins. to Install Thermocouples
(T)- Remove & Replace Ins. to repair Casing Leaks
(U)- Remove & Replace Ins. where Tram installed on Header
(V)- Apply Super 3000 to 30 sq.ft. Area inside boiler
(W)- Remove & replace Ins. because of tube leak front Blr
(X)-Remove & Replace Ins. for Spring Hangers & Rods install on upper division of wall heater
(Y)-Labor & Material to remove & replace Ins where water cooled baffle wall installed.
(Z)- Labor & Mat to remove & replace Ins where Orifice Flange

See Job 1669 for Continuation of Job 9496

SOUTHERN CALIFORNIA EDISON COMPANY (Contd)

9497 - (Contd)

(D)- Building Brick Pier & apply Ins. on Hopper

(E)- Labor to apply 2 coast RI Super3000 to inside of boiler Elevation 24 to 76'

(F) - Supply material to replace Ins. where removed to make Hanger Rod Revision. Cover Exp. Bellows

(G)- Remove & Replace Ins. Damaged by Tube Leak.

(H)- Remove & replace Ins damaged account tube leak.

(I) - Remove & replace Ins for installing test connect.

(J) - Remove & replace Ins for installing ~~of Cast "B" removal of furnace tubes~~. Water Cooled Baffle Walls

(K) - Remove & Replace Ins for installing Cast "B" Removel of 6 Furnace Tubes.

(L) - Install Ins. to protect 2nd Pass Rear Wall Header Support.

(M) - Remove & replace Ins. where tube leak was repaired at Elevation 75'.

SOUTHERN CALIFORNIA EDISON COMPANY (CONTD.)

9497 - See C. C. Moore & Co. Engineers
Huntington Beach - Install Refractories and Insulation Materials for One (1) B&W Universal UP5 Boiler
(A) - Labor & Matl to apply 1/2" Kaolite behing Casing
(B)- Install Ins. including Aluminum Jacket on Superhtr By-pass Valve Heating System.
(C)- Remove & Replace Ins. on bottom of Superhtr

9545 - See C. C. Moore & Co. Engineers
El Segundo - Labor and Material to Reinsulate Air Ports Installed in Rear Wall - Unit #1

9564 - See C. C. Moore & Co. Engineers
Los Alamitos - Unit #2
Furnish Scaffold

9585 - See C. C. Moore & Co. Engineers
Los Alamitos - Labor and Material to Reinsulate Connections and Valve Repaired on RB-257-C5703
(A) - Furnish Labor and Material to Reinsulate Gas Recirculator

9651 - See C. C. Moore & Co. Engineers
El Segundo - Unit #1
Repair Insulation on Recirculating Gas Fan, Approx. 4 sq. ft.

9672 - See C. C. Moore & Co. Engineers
Huntington Beach - Unit #1
Remove and Replace Insulation in Various Places

9682 - See C. C. Moore & Co. Engineers
Huntington Beach - Unit #1
Install Approx. 100 sq. ft. Insulation in Plenum

9687 - Los Alamitos - Unit #1
Insulation for Modification for a Temperator Station.

9688 - See C. C. Moore & Co. Engineers
Redondo Beach - RB-183 - Unit #5
Insulation for Modification for a Temperator Station

SOUTHERN CALIFORNIA EDISON CO.

9694 - See C. C. Moore & Co. Engineers - El Segundo Unit #1 RB-223 - Insulation for Modification for a Temperator Station

(A) - Unit #2 - RB-239 - Insulation for Modification for a Temperator Station

(B) - Unit #1 RB-223 - Reinsulate Thermocouples on Recirculating Gas Fan Interlock

9744 - See C. C. Moore & Co. Engineers Huntington Beach - Unit #2 Repair Insulation at Utiliscopes

9745 - See C. C. Moore & Co. Engineers El Segundo - Unit #2 - Auxiliary Air Ports Nitric Oxide Investigation and Surface Depth Thermocouple Tube Sections

9764 - See C. C. Moore & Co. Engineers Huntington Beach - Unit #2 Install 2" K-20 Insulation on approximately 100 sq.ft. in Plenum

9785 - See C. C. Moore & Co. Engineers Huntington Beach - Install Rock Wool and "A" cloth Pillows between Hot Air Duct and Hot Gas Duct #1 Boiler

9786 - See C. C. Moore & Co. Engineers Redondo Beach - Re-insulate Clarage Gas Re-circulati Fan on RB-183

9787 - See C. C. Moore & Co. Engineers Huntington Beach - Install Rock Wool & "A" Cloth Pillows between Hot Air Duct & Hot Gas Duct #2 Boiler

9790 - See C. C. Moore & Co. Engineers El Segundo - Replace Insulation on Gas Re-circulating Fan where altered to clear electric motor RB-223, Unit #1

SOUTHERN CALIFORNIA EDISON CO. (contd.)

9811 See C. C. Moore & Co. Engineers
Huntington Beach - Repair Fire Damage to Insulation on Air Heater Ducts on #1 Boiler
(A) Repair Fire Damage to Insulation on Air Heater Ducts on #2 Boiler
(B) Make Temporary Repairs to Insulation Damage by Boiler Vibration
(C) Labr and Material to Remove and Replace Insulation where Utiliscopes were moved on Boiler #2

9833 See C. C. Moore & Co. Engineers
Huntington Beach - Unit #1 - Labor and Material to Install Insulation & Build Brick Wall in Plenum
(A) Furnish Labor & Material to Remove and replace Insulation in Penthouse

9837 See C. C. Moore & Co. Engineers
Huntington Beach - Unit #2
Remove & Replace Insulation on Air Duct
(A) Remove and Replace Insulation on Temperator

9862 See C. C. Moore & Co. Engineers
Huntington Beach - Unit #1
Insulation Repairs in Penthouse

9869 See C. C. Moore & Co. Engineers
Huntington Beach - Unit #1 - Remove & Replace Insulation on Outlet and Intermediate Heater and Tube Legs in Penthouse

SOUTHERN CALIFORNIA EDISON CO.

9898 See C. C. Moore & Company
Huntington Beach - Unit #1
Brickwork & Insulation on Floor of Plenum Chamber

9904 See C. C. Moore & Co. Engineers
Huntington Beach - Unit #1 - Insulate Water Column and Water Column Equalizer
(A) - Unit #2 - Insulate Water Column & Water Column Equalizer

9910 See C. C. Moore & Co. Engineers
Huntington Beach - Unit #2 - Labor & Material, to Remove & Replace Insulation where Test Connections are Installed on Top of Gas Flues

9942 See C. C. Moore & Co. Engineers
Huntington Beach - Unit #2 - Labor & Material to Install Brick & Insulation on Floor of Plenum Chamber
(A) Labor & Material to Install Baffle in Furnace Rear Wall of Secondary Superheater

9962 See C. C. Moore & Co. Engineers
Huntington Beach - Furnish Labor and Material to Remove Previously Installed Baffle at Rear Wall of Secondary Superheater Sec. & Install New Baffle as directed RB286, Unit #2

9980 See C. C. Moore & Co. Engineers
Huntington Beach - Remove & Replace Insulation where Tubes Change to Enlarge Utiliscope Ports on RB-276, Unit #1
(A) Labor & Material to Insulate Oil Burner Supports RB-276 - Unit #1

SOUTHERN CALIFORNIA EDISON CO.

1018 See C. C. Moore & Co. Engineers.
El Segundo - Labor & Mat. to Insulate Oil Burner Supports - Unit #1
(A) Remove & Replace Insul. where Supplemental Air Duct Removed and Tube Opening closed Unit #1

1100 See C. C. Moore & Co. Engineers
Huntington Beach - Insulate Body Portion of Safety Valves Unit #1
(A) Labor & Mat. to Insulate Body Portion of Safety Valves Unit #2
(B) Labor & Mat. to Reinsulate Areas Where Air Line Installed for Pressurizing Penthouse
(C) Labor & Mat. to Repair Damage caused by Boiler Vibration

1111 See C. C. Moore & Co. Engineers
Redondo Beach - Labor & Material to Insulate 16 Burner Rotor Assemblies Boiler #8

1117 Redondo Beach - Labor & Material to Repair Insulation on Boiler #8
(A) Install Insulation seals at Horizontal Buckstays Blr #9
(B) Install cloth seals over cracks #9 Boiler Walls

1147 Redondo Beach - Repairs to Insulation on Boiler #8 Due to Tube Damage
(A) Renew Kaocrete & Plastic Chrome Ore in Burner Wall
(B) Repairs to Exterior Insulkote Finish from Tube Damage
(C) Repairs to Insulkote Finish due to expansion
(D) Sealcoat on Face of Insulag to Form Air Seal
(E) Repairs to Tops of Boiler Gas Outlet Flues
(F) Remove Slag from Superheater Hopper and Floor
(G) Install Seals at support Rods on Roof & Insulate New Vents at Superheater Outlet Pipes
(H) Apply Benj.Foster 30--95 Sealfas to Exterior Boiler #8
(I) Insulate the Joint below the Buckstay Boiler #8

1144 See C C Moore & Co. Engineers
Huntington Beach - Remove & Replace Insul. for Thermocouples RB-286 - Unit #2
(A) Install Insul. for Thermocouples in Penthouse
(B) Remove & Replace Insul. on Lead of Front Wall Tube

1145 See C. C. Moore & Co. Engineers
Redondo Beach - Rental Scaffolding Equip. etc. Blr. #8

SOUTHERN CALIFORNIA EDISON CO.

1148 See C. C. Moore & Co. Engineers.
Oxnard - Install Thermocouples in Penthouse
(A) Install Refrac. Around Burner Walls as Repaired

1200 See C. C. Moore & Co. Engineers
Redondo Beach - Replacing Insulation in Boiler #9

1201 Redondo Beach - Labor & Material to remove & replace Insulation inside of Gas Recirculating Duct Blr #9.

1222 Redondo Beach - Repairs to Arch Floor Boiler #6.

1233 See C. C. Moore & Co. Engineers
Huntington Beach - Unit #1 - Remove & Replace Insulation on Secondary Superheater Intermediate Header
(A) Remove & Replace Insulation on Termocouple Wires in Pent House.

1262 See C. C. Moore & Co. Engineers
Huntington Beach - Unit #2 - Remove & Replace Insulation at Expansion Seals on Pent House Casing.
(A) Secondary Superheater Screen Addition.
(B) Burner Roller Assembly.
(C) Utiliscope Port Alteration.
(D) Thermowell Installation

SOUTHERN CALIFORNIA EDISON CO. (Cont'd)

1299 - See C. C. Moore & Co. Engineers
El Segundo - Insulate Rollers on Burners of Boiler #2

1309 - El Segundo - Unit #2
Repairs to Recirculating Gas Duct & upper Rear Wall of Superheater Section.

1377 - See C. C. Moore & Co. Engineers
El Segundo - Labor & material to insulate ducts & tube sections where air ports installed Unit #1 RB 223

1451 - See C. C. Moore & Co. Engineers
Oxnard - Unit #2 - Remove Split Brick on Floor of Recirculating Plennum and Install Insulation.
(A) - Install birick & Insulation in Auxiliary Air Ports.
(B) - Remove & Replace Insulation where required at Buckstay.
(C) - Remove & Replace Insulation where required at new Soot Blower Wall Boxes.
(D) - Remove & Replace Insulation & Refractories where required for Superheater Alterations.
(E) - Labor & Material to Install Flashings

1583 - See C. C. Moore & Co. Engrs.
Oxnard - Labor & Material to repair Ins. around Windboxes of 2 B & W Boilers

1669 - See C. C. Moore & Co. Engineers
Huntington Beach (See original Job 9496)
Labor & Material to remove & replace Insulation for Gas Leaks Investigated & Repaired.
(A)- Install 1900°Block above tube in bottom Hopper to protect hanger clevises.
(B)- Remove & Replace Ins & Refr. for alterations made to Lower Front Wall Header Unit 3 UP4.
(C) - Repair Refractories & Ins. of Tube Leak Unit 4 UP5
(D)- Replace Ins. & Metal on Expansion Joint of Secondary Air Duct Unit #3UP4
(E)- Replace Ins. to make Revision to Gusset Plates Front & Rear Walls Unit #4-UP 5
(F)-Replace Refractory & Ins. where required from tube Leak front wall Unit #4 UP 5

1673 - See C. C. Moore & Co -
Los Alamitos - Labor & Material to Insulate Ducts & Tube Sections at new Air Ports Units #1 ~~and #2~~/

(A) - Labor & material to Ins. Ducts & Tube Sections at new Air Ports Unit #2.

1674 - See C. C. Moore & Co -
Redondo Beach - Labor and Material to Insulate Ducts and Tube Sections at new Air Ports Boiler ~~#9~~ #8 RB 183

2216 - See C. C. Moore & Co.
Huntington Beach - Labor & material to replace Insulation & Refractories where removed for Screen & Superheater Alterations on Unit #2

2219 - See C. C. Moore & Co.
Huntington Beach - UP 4 Unit #3 Labor & Material to remove & replace Insulation where casing leaks occur. (all work on daily time sheets on Str.Time basis)

(A) - UP 4 Unit #3 Labor & Material to remove & replace Insulation where leaks occur (Premium time only on daily time sheets)

(B) - Repairs to Insulation on bottom Hopper Unit # UP 4

(C) - Labor & Mat'l to repair Roof Seals Unit #3

2220 - See C. C. Moore & Co.
Huntington Beach - UP5 Unit #4 Labor & Materi to remove & replace Insulation where casing leaks occur(all work on daily time sheets Str.Time,

(A) - UP 5 Unit #4 Labor & Material to remove & replace Insulation where leaks occur (Premium time only)

(B)- Labor & Mat'l to rpr Ins. account Tube Leak Elegation 116'-3" UP 5 Unit 4

SOUTHERN CALIFORNIA EDISON CO (Continued)

2221 - See C. C. Moore & Co.
Huntington Beach - UP 4 Unit #5 Labor & material to remove and replace insulation at furnace Dry Hopper (work Str. time basis on daily time sheets)
(A) - UP 4 Unit #5 Labor to remove & replace Insulation at Furnace Dry Hopper (Premium time on daily time)

2340 - See C. C. Moore & Co.
Huntington Beach - Unit #3, U.P. #4
Temporary repair to refractory and insulation at rear wall casing.

2372 - See Combustion Engineering, Inc
Los Alamitos - Unit #4 - Shot Blast and apply R+I Super 3000 on 75 sq.ft. of Furnace Water Wall Tubes

2398 - See C. C. Moore & Co. Engrs.
Huntington Beach - Labor & equipment to Install Ins. & Refr. in Furnace Area above Windbox Unit UP-4
(A) - Labor & Material to replace Ins. on new Capillary Tubes.
(B) - Labor & Material to replace metal & Ins. to Reheat Loops.
(C) - Replace Insulation on Bottom Hoppers
(D) - Labor & Material to remove & replace Insulation on Boiler Casing Unit UP 4
(E) - Repair Boiler Tube Leak
(F) - Repair Boiler Tube Leak

2413 - See C. C. Moore & Co. Engrs.
Huntington Beach - Labor & Equipment to install Insulation over Pressure Casings in Furnace Area above Windbox - UP 4

x@$$%
2445 - See C. C. Moore & Co.-Hunt Beach- Unit 4 UP 5
CANCELLED
(A) - Install Capillaries
(B) - Alterations to Reheat Loops
(C) - CANCELLED
(D) - Alteration to Furnace Dry Hopper
(E) - Modifiaction to Boiler Casing
(F) - Remove & Replace Ins. at Steam Outlet Pipe
(G) - Ins. Area where field alterations made to support.

SOUTHERN CALIFORNIA EDISON CO (Continued)

2464 - See C. C. Moore & Co.
Huntington Beach - Unit 3 UP 4 - Repair Insulation and aluminum expansion covers where damaged by fire

2474 - See C. C. Moore & Co.
Huntington Beach - Unit UP 4 - Labor and material to remove & replace insulation where repairs made to boiler leaks.
(A) - Premium time on above work.

2479 - See C. C. Moore & Co.
Huntington Beach - Unit UP 4 Unit #3
Insulation repairs to Boiler Wall

2501 - See C. C. Moore & Co.
Redondo Beach - Labor and material to insulate ducts & tube sections where air ports installed.

2589 - See C. C. Moore & Co. Engineers
Huntington Beach Unit #1RB 276
Labor & equipment to install Kaocrete B on Hopper Floor Tubes at Gas Recirculating Plennum. Labor & Equipment to install Insulating materials on exterior of Gas Recirculating Plennum.
(A) - Furnish labor and material to install special refractory tile at Tubes in Reheat Section.

(Continued)

2683 - See C. C. Moore & Co.

Huntington Beach - Boiler #3 Unit UP 4

Labor & material to install Insulation where alterations made to Reheat Superheater.

(A) - Labor & material to install refractories covering on Furnace Hopper Slope.

(B) - Labor & material to install insulation where rear wall support modified.

(C) - Labor & material to install insulation where superheater attemperator addition accomplished.

(D) - Labor & material to install insulation where Universal joints are installed.

(E) - Labor & material to install insulation in first Pass Supply Tube Area.

(F) - Labor & material to install insulation where Gas Leak repaired & superheater cavity floor altered, also where casing reinforced under secondary superheater pipe outlet.

(Contd)

2690 - Huntington Beach - Unit #3 UP 4

Labor only to repair boiler roof floor around Secondary Superheater Tubes.

(A) - Material only to Repair Boiler Roof Floor around Secondary Superheater Tubes.

2692 - Redondo Beach -

Repairs to #1 Boiler

2704 - Huntington Beach

See C. C. Moore & Co. Engrs.

Unit #4 UP 5

Patch Insulation at Casing Leaks.

(A) - Remove & Replace Insulation where repairs & alterations made to Boiler Casing.

(B) - Remove & Replace insulation & Refractories where boiler tube removed & replaced in 1st Pass.

(C) - Replace Insulation where removed to make access for 4" Supply Tubes.

(D) - Remove & replace Insulation where modifications made to Capillary Resistors.

(E) - Labor & material to install Refractories covering on Furnace Hopper Slope.

2729 - See C. C. Moore & Co. Engineers
Redondo Beach
Miscellaneous Repairs to Boiler #7

2793 - See C. C. Moore & Co. Engineers
Huntington Beach
Labor & material to remove & replace Insulation where modifications made to Capillary Resistors on Tubes.
(A) - Premium Time on above.

2808 - See C. C. Moore & Co. Engineers
Los Alamitos
Refractory and Insulation Renewal - Boiler #2

2891 - See C. C. Moore & Co. Engineers
Redondo Beach
Miscellaneous repairs to Boiler #6

3037 - See C. C. Moore & Co. Engineers
Huntington Beach
Remove & replace Castable Refractories on Tubes inside of Burner Windbox
(A) - Premium Time

3051 - See C C Moore & Co. Engrs.
Huntington Beach
Unit #3 UP #4
Replace Insulation on Piping where removed.

3052 - See C. C. Moore & Co. Engrs.
Huntington Beach
Unit #3 UP #4
Replace Insulation on Furnace Hopper Casing

3053 - See C. C. Moore & Co. Engrs
Huntington Beach
Unit #3 UP #4
Replace Insulation around Orifice Valve
Lines where removed

3112 - See C. C. Moore & Co. Engrs
Huntington Beach
Remove and replace Insulation on Orifice Valves

3113 - See C. C. Moore & Co. Engrs.
Huntington Beach
Remove and replace Insulation at Capillary

3114 - See C. C. Moore & Co. Engrs
Huntington Beach
Remove and replace Insulation on Pent House
and Bypass System as directed

A- Premium Time

3115 - See C. C. Moore & Co. Engrs
Huntington Beach
Remove and replace Insulation on Secondary Superheater Attemperator, Spray Water Attemperator System and Penthouse as directed.

3119 - See C. C. Moore & Co. Engrs
Huntington Beach
UP 4 Unit #3
Replace Insulation where removed to repair leak.

3127 See CCMoore + Co Engrs
Huntington Beach (UP4 Unit 3)
Remove and replace insulation to repair leaks.

3129 See CCMoore + Co Engrs
Huntington Beach (UP5)
Remove and replace Insulation at top of Windbox.
A- Premium time.

3131 See CCMoore + Co Engrs
Huntington Beach (Unit 3)
Remove and replace insulation for repair of Tube Leak Front Wall on top of Windbox.

3134 See CCMoore + Co Engrs
Huntington Beach
Replace insulation where removed by CCMoore to move corbel tubes.

3136 See CCMoore + Co Engrs
Huntington Beach (Unit UP4)
Furnish and apply R+I Super-3000 on furnace wall tubes
A- Premium time.

3146 See CCMoore + Co Engrs
Huntington Beach
Remove and replace insulation at rear wall of furnace to repair leaks.

3151 See CCMoore + Co Engrs
Huntington Beach
Remove and replace in sulation as directed to repair tube leak.

3158 See Bechtel Corporation
Huntington Beach (UP5 Unit #4)
Replace insulation on Steam line as directed.

3186 General Electric Co.
Huntington Beach Steam Station (Unit 3 UP4)
Furnish and install pipe covering and aluminum jacketing on following:

A- 4" Low pressure leak-off line from turbine to and including control valve.

B- 4" low pressure leak-off line from control valve to the condenser.

C- High pressure leak-off line from the turbine to 5" and 4" control valves.

D- High pressure leak-off line from 5" control valve to condenser.

3201 Huntington Beach (Unit 3 UP4)
Remove and replace insulation for modification of first pass supply tubes.

3202 Huntington Beach (Unit 3 UP4)
Remove and replace insulation at boiler walls on top of windbox at elevation 65 ft.

3218 Highgrove
1964
Labor and material to install new floor seals at sidewall tubes of Boiler #3 4

3223 Bechtel Corporation
Unit #3. Replace insulation at penthouse roof for catwalk support legs and drain piping.
Huntington Beach.

(A) Unit #4 - Replace insulation at penthouse roof for catwalk support legs and drain piping.

3231 - BECHTEL CORPORATION
Replace insulation on UP4 Unit 3 as directed by Bechtel.

3491 - San Bernardino Steam Stn.
Unite #2 Renew insulation and refractory at entrance to boiler gas outlet flue.

3492 - BABCOCK AND WILCOX COMPANY
Huntington Beach
Insulate economizer recirculating line.

3532 - BABCOCK AND WILCOX CO.
Huntington Beach, Unit #1
Insulate economizer recirculating line.

3588 - BABCOCK AND WILCOX COMPANY
Huntington Beach
Unit 4, UP5
Replace insulation where removed to work on convection pass header.
(A) Insulate air preheater expansion joint.
(B) Insulate bypass piping
(C) Renew insulation at dry hoppers on wind box where insulation has been removed by B & W
(D) Insulate hoppers UP4
(E) Insulate bypass piping UP4

3612 STEARNS-ROGER CORP.
Redondo Beach
Necessary repairs to #14 Boiler
(A) Necessary repairs to #11 Boiler

3614	- Huntington Beach Labor and material to repair piping as directed.
3949	San Bernardino Steam Station Install R&I Super 3000 at gas flue expansion joint, Unite #2
A)	Install R&I super 3000 at gas flue expansion joint, Unit #1
4134	Redondo Beach Repairs to boiler #15
4179	Redondo Beach Repairs to #16 boiler
4190	Redondo Beach Labor only to ~~xxxxxx~~ repair boiler #12
4193	Highgrove Steam Station Repair super heater seal at roof tubes
4225	HIGHGROVE STEAM STATION Highgrove, California Repair roof seals at superheater tubes and install new sidewall seals at furnace floor

4424 Bragg Crane Service
Redondo Beach Steam Station
Repairs to born htr

4604 Highgrove Station
Repair #2 boiler

4656 Redondo Beach
Repair burner throats boiler #14

4697 STEARNS ROGER CORP
Denver, Colorado
San Bernardino Steam Station
Replace reheat tube baffle wall
boiler #1

4788 Highgrove steam station
Repair castable refractory on side wall
boiler #4

4855 Alex Robertson Co
Paramount
Lomita Station
Build and remove scaffold in 2
Born heaters

4870 Highgrove Steam Station
Repair boiler #1 - install floor seals
at sides of front wall and repair
superheater roof tube seal

4964 Highgrove
Garden State Paper Co
Pomona
Repairs to flue on Foster Wheeler
Fired Heater

SOUTHERN CALIFORNIA EDISON CO. (cont'd)

5690	Gardena State Paper Co. Pomona Repairs to duct from turbine to boiler	5/69 DEA
6573	Redondo Steam Station Redondo Beach Refractory Repairs #17 Boiler	2/71
7053	Garden City Paper Company Pomona Repair Duct on Foster-Wheeler Boiler	1/72
7814	Long Beach Repairs to Born heater Remove and replace refractory between transition section and stack	8/73
8334	Palmdale Repair Erie City Boiler	6/74
8380	Dominguez Hills Repair two Born heaters	7/74
8486	Ralph M Parsons (So. Calif Edison-Huntington Be) Repairs to Gas Fired Heater	10/74
8553	RM Parsons SCE Euclid Sta-Chino Repairs to Oil heaters	11/74
"A"	Toner Station-Repair 3 oil heaters	
"B"	Santa Fe Springs Sta-Repair 3 oil heaters	
8686	Ralph M Parsons Alnor Station - Cypress Repair Oil Heater	2/75

SOUTHERN CALIF EDISON CO

8882	Thorpe Insulation Garden State Paper Co. Pomona Nec Repairs to Foster Wheeler Waste Heat Boiler.	7/75
9147	Redondo Beach - Repairs to #12 Boiler	1/76
9272	Long Beach - Repairs to #5 Boiler	5/76
9324	Palmdale - Repairs to West Boiler	5/76
9686	RALPH M PARSONS - Santa Fe Springs Repairs to Oil Heater	3/77
9773	Los Alamitos Steam Plant Repairs to #6 Boiler Hopper	5/77
9791	RALPH M PARSONS - Cypress Repairs to #1 & #2 Boilers	5/77
10052	Los Alamitos - Repairs to Kiln #6	10/77
10080	Thorpe Insulation - El Segundo Repairs to the #2 Boiler	11/77
10128	Euclid Pump Station - Rosemead Heaters #F1A, F1B, F1C	12/77
10297	Long Beach - Labor & Matl to Repair Refractory on #4 Boiler	4/78
10328	Redondo Beach - Nec Repairs to Boiler #3	4/78
10498	Redondo Beach - Repairs to #16 Boiler Economizer Roof	8/78

SOUTHERN CALIFORNIA EDISON

10743	Owens-Corning Fiberglas - Redondo Beach Repairs to boiler # 8	1/79
10967	El Segundo - Repairs to Boiler	5/79
"A"	Nec. repairs to condenser	6/79
"B"	Install kaocrete in 16 burners	
11166	Redondo Beach - Labor only to repair #10 boiler	9/79
11219	Ormand Beach, Calif. Repairs to erie city boiler	10/79
11542	Highgrove Plant Insulate Economizer outlet #3 boiler.	4/80
11549	Redondo Beach Repairs to boiler #13	5/80
11605	JESCO Redondo Beach Repairs to #17 boiler	5/80
11979	METAL CLAD Redondo Beach Repair #5 boiler	1/81

SOUTHERN CALIFORNIA EDISON COMPANY

13491	Redondo Beach Install burner tile in four John Zink burners	5/84
13492	El Segundo Install burner tile in four John Zink burners	5/84
13592	Daggett (Wismer & Becker) Refractory installation gas fired heater	8/84
13657	Norton Daggett Labor to install lining in quench gasifier	10/84
13713	Mojave Generating Laughlin, NV Boiler repairs	11/84
14684	Laughlin, NV Repair hot spot on boiler	4/87
14817	**Ventura, CA** **Cease Fire Job**	**8-26-87**
14895	**Ormand Beach, CA** **Cease Fire**	**11-3-87**

SOUTHERN CALIFORNIA EDISON

12254	Mojave (Bullhead city) Repairs to #1 boiler	7/81
12452	Highgrove Station Repairs to #3 boiler	11/81
12458	Redondo Beach, CA Repair boiler #7	12/81
12575	El Segundo, CA Acid coating insulation	2/82
12615	Lauglin NV Refractory installation tubewall repair	3/82 RFB
12662	Etiwanda, CA Install corrosion coating on demineralizer plant	5/82
12692	PLANT BETTERMENT SERVICES Redondo Beach, CA Repairs to boiler #5	6/82
12709	Redondo Beach, CA Repairs to boiler #6	7/82

SOUTHERN CALIFORNIA EDISON COMPANY

12782 Santa Fe Springs, CA 8/82
Repair heater

A Repair heater – Euclid sta

B Repair heater – Toner sta

12962 BECHTEL POWER CORP
Daggett, CA 2/83
Furnish and install refractory lining in Fored, Bacon & David RCN sulfur recovery plant for cool water coal gasification program

13010 Redondo Beach, CA 4/83
Repairs to #5 boiler

13195 El Segundo, CA 9/83
#4 boiler

13231 (Pumping Plant 9) 11/83
Dominguez Hills, CA
Install burner tile and nec. repairs to 2 – heaters

13253 Daggett, CA 11/18
Install Refractory lining in Texaco Coal Gasification unit and radiant cooler

SOUTHERN CALIFORNIA FISH COMPANY

2317 - See Standard Boiler & Steel Works
San Pedro - Two (2) 72" x 18' HRT Boiler

NO. 401-11 R ZIP

SOUTHERN CALIFORNIA GAS COMPANY

270 - Riverside - San Joaquin Furnaces for Kewanee and Birchfield Boilers

271 - San Joaquin Furnace for Birchfield Boiler

448 - Material Delivery

2070 - See C. C. Moore & Co. Engineers
Colton - Two (2) 11'-9" x 16-9/2-42 x 18' B. & W. Boiler

2186 - Bigelow Arch Material

2235 - Delivery of Bigelow Material

2293 - Delivery of Bigelow Arch Material

3837 - Rebrick 16 ft. dia. Gas Generator

3882 - Colton - Furnace Arches in Generator

3889 - Los Angeles - Santa Fe Avenue Plant
To Install Arches in Gas Experimental Generator

3890 - Defense Plant Corporation - #3 Plant
Three (3) Waste Heat Class XII #28 Stirling Blrs.

3898 - See C. C. Moore & Co. Engineers
Aliso Street Plant
Three (3) F19 BF12 Boiler Settings

3899 - See C. C. Moore & Co. Engineers
Aliso Street Plant
B. & W. Separately Fired Superheater

3910 - Defense Plant Corporation - Aliso Street Station - Gas Generating Plant #3 - Six (6) 8" Fire Brick Walls in Ends of Take-Off Pipes

3935 - Central Station - Repairs to Experimental Gas Generator #11

3942 - Santa Fe Avenue Plant
Brickwork - Experimental Generator #11

3947 - See C. F. Braun & Co.
Aliso Street Plant - Five (5) Waste Heat Furnaces

3961 - Defense Plant Corporation - #3 Aliso Street Plant
Brickwork - Ten (10) Generators

3990 - Defense Plant Corporation - Plancor #1167
Aliso Street Plant - Preheater Furnace Ducts
(contd.)

SOUTHERN CALIFORNIA GAS COMPANY (contd.)

4072 - Defense Plant Corporation - Aliso Street Plant
Repairs to #19 Generator and Preheater
damaged by explosion

4073 - Colton - Gas Generator Repairs

4075 - Defense Plant Corporation - Aliso Street Plant
Bricking up Doors of #3 Generator Building

4097 - Defense Plant Corporation - Aliso Street Plant -
Repairs to #2 B. & W. Integral Furnace Boiler
Damaged by Explosion

4108 - Aliso Street Plant - Repairs to #10 and #11 Stirling
Boilers

4129 - Aliso Street Plant - Repairs to Ducts on Preheaters
#17 and #18

4141 - Defense Plant Corporation - Aliso Street Plant -
Repairs to Suspended Arch on Preheater #19

4173 - Defense Plant Corporation - Aliso Street Plant
Bricking up Ten (10) Quench Cooler Generator
Offtakes

4185 - Defense Plant Corporation - Aliso Street Plant -
Repair Explosion Damage on #20 Preheater and
Generator

4226 - See Rubber Reserve Corporation
(A-Z)- (See detail sheet.)
Miscellaneous Brickwork Repairs

4281 - See Rubber Reserve Company
Aliso Street Plant #3 - Boiler Furnace Alterations
to Boilers #7 and #8

4307 - Defense Plant Corporation - Plancor #1167
See Ford J. Twaits Company
Brick Setting for Two (2) 813 h.p. Boilers

4387 - Defense Plant Corporation - Plancor #1167
See Ford J. Twaits Company
Repairs to Baffles in Two (2) Edge Moor Boilers
(A) - Aliso Street Plant - To Move Setting Door of
Edge Moor Boiler
(B) - Aliso Street #1 Plant - To Make Holes in Boilers
Nos. 1, 2, 3, 8 and 9

(contd.)

SOUTHERN CALIFORNIA GAS COMPANY (contd.)

4393 - Santa Fe Avenue Plant - Rebrick Generator #9

4425 - See Rubber Reserve Company
(A-Z - See detail page)
Generator and Boiler Repairs

4465 - See Union Iron & Steel Company
Aliso Street Plant - Brick in Door Frame

4508 - Aliso Street - #1 Gas Generator Plant
Brickwork Repairs to Generators
(A) - Drilling 28 Thermocouples

4565 - See Rubber Reserve Company
(A-Z - See detail page)
Boiler and Generator Repairs

4634 - See Rubber Reserve Company
(A-Z - See detail page)
Miscellaneous Brickwork Repairs

4698 - See Howes & Whitaker
Butadiene Plant - Insulation of Piping and Turbines in #1 Steam Exhauster Building

4796 - See Rubber Reserve Company - Aliso Street Plant
To Insulate Misc. Piping at #1 Engine Room
(A) - To Insulate Misc. Piping at #1 Boiler Plant
(B) - To Insulate Misc. Piping at #3 Boiler Plant
(C) - To Insulate Misc. Piping at #1 Engine Room
(D) - To Insulate Misc. Piping at #2 Exhauster House and Yard
(E) - To Insulate Misc. Piping at #1 Entine Room

4801 - See Rubber Reserve Company - Aliso Street Plant
(A-Z - See detail page)
Miscellaneous Insulation Work

4848 - See Howes & Whitaker
Ducommun Street Compressor Station
Miscellaneous Piping Insulation

4975 - See Reconstruction Finance Corp., Office of Rubber Reserve
(A-Z - See detail page)
Insulation Repairs

4989 - See R. F. C., Office of Rubber Reserve
El Generator Plant - Brickwork Repairs

(contd.)

SOUTHERN CALIFORNIA GAS COMPANY (contd.)

5046 - See R. F. C., Office of Rubber Reserve
Aliso Street Plant - To Insulate Piping for Purifiers G, H, I, J, & K

5055 - See R. F. C., Office of Rubber Reserve
Aliso Street Station - Repair Generators 18A & 18B
(A) - Brickwork Repairs to Generators 18A and 18B

5082 - See R. F. C., Office of Rubber Reserve
Macy Street Station - Insulation Repairs

5088 - See Rubber Reserve Company
Ducommun Street Station - Insulation Repairs

5089 - See Rubber Reserve Company
Aliso Street Plant - Insulation Repairs

5115 - See R. F. C., Office of Rubber Reserve
Jackson Street Station - Insulation Repairs

5213 - See Howes & Whitaker
Aliso Street Station - Los Angeles
Pipe Insulation - #1 Exhauster House

5246 - See R. F. C., Office of Rubber Reserve
(A-Z - See detail page)
Brickwork and Insulation Repairs

5278 - See R. F. C., Office of Rubber Reserve
Aliso Street Station - Insulation Repairs

5310 - Agent of R. F. C., Office of Rubber Reserve
Aliso Street Station - Insulation Repairs

5315 - Agent of R. F. C., Office of Rubber Reserve
Ducummun Street Station - Insulation Repairs

5330 - Agent of R. F. C., Office of Rubber Reserve
Jackson Street Station - Plant Areas #1 and #2 - Insulation Repairs

5332 - Agent of R. F. C., Office of Rubber Reserve -
(A-Z - See detail page)
Aliso Street Plant - Brickwork Repairs to Various Equipment
(K) - Repairs to Boilers #18 and #20 - Ducommun St. Sta.

5342 - Agent of R. F. C., Office of Rubber Reserve
Aliso Street Station - Insulation Repairs
(contd.)

SOUTHERN CALIFORNIA GAS COMPANY (contd.)

5342 - Agent of R. F. C., Office of Rubber Reserve
Aliso Street Station - Insulation Repairs

5386 - Agent of R. F. C.
Aliso Street Station - Insulation Repairs

5432 - Agent of Reconstruction Finance Corp.
(A-Z - See detail page)
Aliso Street Station - Insulation Work

5435 - Agent of Reconstruction Finance Corp.
Aliso Street Station - Insulation Repairs

5445 - See Ribesco Iron & Steel Company
Aliso Street Plant - Install Floor in One (1) Oven

5506 - Agent of Reconstruction Finance Corp.
Aliso Street Station - Insulation Repairs

5521 - Agent of Reconstruction Finance Corporation
Jackson Street Station - Insulation Repairs

5522 - Agent of Reconstruction Finance Corp.
Ducommun Street Station - Insulation Repairs

5523 - Agent of Reconstruction Finance Corp.
Macy Street Station - Insulation Repairs

5644 - Agent of Reconstruction Finance Corp.
(A-U - See detail page)
Brickwork Repairs

5769 - Agent of Reconstruction Finance Corp.
Aliso Street Station - Insulation Work
(A-Q - See detail page)

SOUTHERN CALIFORNIA GAS COMPANY
Agent for Rubber Reserve Company

Job No. 4226
Detail

4226	- Brickwork, Repairs to #3 Boiler	- Aliso
(A)	- Brickwork Repairs to #6 Boiler	- Ducommun
(B)	- Brickwork Repairs to #19 Boiler	- Ducommun
(C)	- Brickwork Repairs to # 9 Boiler	- Ducommun
(D)	- Brickwork Repairs to # 1 Boiler	- Aliso
(E)	- Brickwork Repairs to Generators 19A & 19B	- Aliso
(F)	- Brickwork Repairs to Alcorn Furnace	
(G)	- Brickwork Repairs to #20 Boiler	- Ducommun
(H)	- Brickwork, #17 Preheater Duct Repair	- Ducommun
(I)	- Brickwork, # 9 Boiler at No. 1 Plant	
(J)	- Brickwork, # 8 Boiler at No. 1 Plant	
(K)	- Brickwork, #19 Preheater Duct Repairs	
(L)	- Brickwork, #21 Preheater Duct Repairs	
(M)	- Brickwork, #18 Boiler	- Ducommun
(N)	- Brickwork, #18 Preheater Duct Repairs	
(O)	- Brickwork, #2 Boiler at No. 3 Plant	- Aliso
(P)	- Brickwork, #3 Boiler at No. 3 Plant	- Aliso
(Q)	- Brickwork, #1 and #3 Boilers	- Ducommun
(R)	- Brickwork, #2 and #4 Boilers	- Ducommun
(S)	- Brickwork, #22 Boiler	- Ducommun
(T)	- Brickwork, #20 Preheater	
(U)	- Brickwork, #7 Boiler in No. 1 Plant	- Ducommun
(V)	- Brickwork, Generators 19A * 19B	
(W)	- Insulation Repairs, #3 Vapor Loops, Gen. 19A & B	
(X)	- Insulation Repairs to Piping on Generators 17A & B, 20A & B, 21A & B - #3 Plant	- Aliso
(Y)	- Insulation Repairs to all Generators in #3 Plant	
(Z)	- Insulation Repairs to #19 Preheater, #3 Plant	

SOUTHERN CALIFORNIA GAS COMPANY
Agent for Rubber Reserve Company

Job No. 4425
Detail

4425A - Brickwork Repairs to #8 - Ducommun
(B) - Brick Repairs, #18A & #18B Generators - Aliso
(B1) - Brick Repairs, #18A & #18B Generators, Checkerwork
(C) - Brickwork Repairs--Boilers 10, 12, 14, 16 - Ducommun
(D) - Insulation to Steam Piping, #3 Boiler House, Aliso
(E) - Insulate 6 Valves, Blrs. 10, 13, 16, 21 - Ducommun
(F) - Insulation, Steam Piping, Box "I", "J" - Aliso
(G) - Insulation, Vapor Piping on Gen. 17A & B
(H) - Insulation, Vapor Piping, Gen. 20A & B - Aliso
(I) - Insulation, Vapor Piping, Gen. 21A & B
(J) - Brickwork, #18A & B Generators
(K) - Brickwork, #21A & B Generators - Aliso
(L) - Brickwork, #21A & B Generators
(M) - Insulation Work in #3 Plant
(N) - Insulate Roof Beams, #3 Plant, Generator Bldg.
(O) - Insulation, Piping, #18A & B Generators - #3 Plant
(P) - Insulation, Piping on Vent Tank Preheating Absorption Plt
(Q) - Brickwork Repairs, #6 & #7 Blrs., #1 Plant Boiler Room
(R) - Brickwork, #17A & B Generators
(S) - Insulation, Piping Alterations, 19A Gen. - Aliso
(T) - Brickwork Repairs, #17A & B Generators
(U) - Brickwork Repairs on Boilers - Ducommun
(V) - Insulation Repairs, Area North of Macy St.
(W) - Insulation Repairs, #7 Waste Heat Boiler - Aliso
(X) - Insulation Repairs on Generator Connection, #3 Plant
(Y) - Insulation Repairs to 3" Vapor Pipe Lining, Gen. 17A & B
(Z) - Brickwork to #17 Boiler - Ducommun

SOUTHERN CALIFORNIA GAS COMPANY
Agent of Rubber Reserve Company

Job No. 4565
Detail

4565

(A) - Brickwork Repair on Alcorn Heater
(B) - Insulate Vapor Piping on Gen. 19A & 19B - Aliso
(C) - Insulate Steam Piping at Wilshire Tank Farms
(D) - Insulate Piping on Generators 18A & B - Aliso
(E) - Insulate Steam Piping at Wilshire Tank Farms (Charge ½ to C
(F) - Brickwork on Boilers #10-E-02-03 in #3 Plant
(G) - Brickwork and Insulation, #3 Generator Plant
(H) - Insulation, Gen. #17B, Detrick Plastic - Aliso
(I) - Brickwork on Gen. 21A & B, #3 Generator Plant
(J) - Insulation in Stripper Plant
(K) - Brickwork Repairs to Blrs. #11, #11, #12 - Aliso
(L) - Brickwork Repair, #21 Boiler - Ducommun
(M) - Insulation, Preheater Vapor Line - #3 Plant
(N) - Insulation, Main Steam Header - Absorption Plant
(O) - Brickwork Repairs to all Preheaters - #3 Plant
(P) - Insulate Valves on Steam Header - Ducommun
(Q) - Insulate Hydraulic Vapor Valves, all Generators, #3 Plant
(R) - Brickwork Repairs to Alcorn Heater - Dehydration Plant
(S) - Insulation Repairs to Preheater Vapor Lines, #3 Gen.Plt.
(T) - Insulate Water Piping - #3 Generator Plant
(U) - Brickwork Walls of all Preheaters, #17 thru #21, #3 Gen.
(V) - Brickwork Repairs to Preheaters "A" - #3 Plant
(W) - Insulation, Generators 21A & B - #3 Plant
(X) - Insulation Repairs on Burners, Blrs. 1,2,3,4- Ducommun
(Y) - Rebrick and Insulate Duct, #17 Preheater - #3 Plant
(Z) - Insulate Steam Oil Lines on Blrs. 9, 11, 13, & 15

SOUTHERN CALIFORNIA GAS COMPANY
Agent for Rubber Reserve Company

Job No. 4634
Detail

4634

(A) - Insulation Work, Blrs. 10, 12, 14, 16 - Ducommun
(B) - Insulation Repairs to #17 Preheater - #3 Gen. Bldg.
(C) - Insulation Repairs to #21 Preheater - #3 Gen. Bldg.
(D) - Insulate Boiler Feedwater Lines #10 thru #17 - #3 Plant
(E) - Brickwork Repairs to Centerwall between Blrs. #18 & #20
(F) - Insulate Steam Piping - Stripper Plant
(G) - Insulate Valves and Piping - Absorption Plant
(H) - Insulate Valve on Generator - Aliso
(I) - Insulate Piping in Boiler Room - Ducommun
(J) - Insulate Heating System - Administration Bldg.
(K) - Insulation, Boilers 6, 7, 8, 9 - #1 Plant - Aliso
(L) - Brickwork Repairs to #21 Preheater - #3 Gen. Plant
(M) - Brickwork Repairs to Firebox Wall Linings, Gen.19A&B
(N) - Brickwork to #19 Preheater - #3 Generator Plant
(O) - Insulate Vapor and Steam Lines to Gens. A & B
(P) - Insulate Steam Piping, Offices at 553 Ramirez St.
(Q) - Brickwork Repairs to #18 Preheater - #3 Gen. Plant
(R) - Brickwork Repairs to #20 Preheater - #3 Generator Plant
(S) - Insulation on Boilers #2 & #3 - #3 Plant - Aliso
(T) - Brickwork Repairs in #17 Preheater - #3 Generator Plant
(U) - Insulation on #1 Boiler - #3 Plant - Aliso
(V) - Insulate Lines to Burners, Boilers #6 & #7 - Aliso
(W) - Insulate Water Heater - Ducommun
(X) - Insulate Steam Lines - Jackson
(Y) - Insulation, 4" Piping, Absorption Plant - Ducommun
(Z) - Insulate Tar Water Pit Ejector - Stripper Plant

SOUTHERN CALIFORNIA GAS COMPANY
Agent for Rubber Reserve Company

Job No. 4801
Detail

4801 - Miscellaneous Insulation at Various Locations
(A) - Insulation, Fuel Oil Meters Transmitters - Aliso
(B) - Insulate Boiler Feedwater Header (cancelled)
(C) - Insulation, Structures for Supporting, #3 Gen.
(D) - Insulate Steam Line to Roots Blower - #2 Exhauster
(E) - Insulation to Steam Line - Ducommun
(F) - Insulation to Steam Line to Locker Rm. & Shops - Jackson
(G) - Insulate Main Steam Header - Ducommun
(H) - Insulate Steam Valves Removal, #1 Boiler Room - Aliso
(I) - Insulation in Generators #18A & B - #3 Gen. Plant
(J) - Insulate By-pass at H. P. Stripper - Absorption Plant
(K) - Insulate Accumulator and Condenser Supports - Absorption
(L) - Insulate Two Regulators - Ducommun
(M) - Insulate 6" Vapor Headers - Aliso
(N) - Insulation Repairs on Boilers #10, #11, #12
(O) - Insulation Repair on Pipes - Plant #2 - Aliso
(P) - Insulation Repairs on Depropanizer Condenser Heads
(Q) - Insulation Repairs - Ducommun
(R) - Insulate Piping on Two Pumps - #2 Exhauster House
(S) - Brickwork Repairs on Superheater - #2 Plant
(T) - Insulation Repairs, Boilers #10 & #12 - Ducommun
(U) - Insulate Piping of Water Pump, #1 Carbon Water Pump Hs.
(V) - Insulation Repairs on Piping - Ducommun
(W) - Insulation of Station Piping, Boiler Room - Ducommun
(X) - Insulate Steam Valves on Generators #21A & B
(Y) - Insulate Piping at Dehydration Plant
(Z) - Brickwork on #1, #2 & #3 Towers - Macy

SOUTHERN CALIFORNIA GAS COMPANY
Agent for Reconstruction Finance Corp.,
Office of Rubber Reserve

Job No. 4975
Detail

4975

(A) - Insulation Repairs on Gas Header, Purifier "G" - Aliso
(B) - Insulation Repairs to Steam Header, #1 Blower Engine
(C) - Insulation Repairs to Steam Regulator
(D) - Insulation, 9 Valves, #3 Generator Plant
(E) - Insulation Repairs to Piping - Absorption Plant
(F) - Insulation Repairs to Piping - Aliso
(G) - Insulation, #4 Column, Dehydration Plant
(H) - Insulation Repairs on Steam Line to Lab Annex - Ramirez
(I) - Insulation, #4 Tower and Vessel #5, Dehydration Plant
(J) - Insulation to Station Piping - Ducommun
(K) - Insulation Repairs to Equipment - Ducommun
(L) - Insulation Repairs to Equipment - Ducommun
(M) - Insulation to Valve on #20 Gen., #3 Gen. Plant
(N) - Insulation - Blaw-Knox Water Pump Governors, DPC Pump Hse.
(O) - Insulate #1 and #2 Boiler Feedwater Pumps, #2 Plant
(P) - Brickwork Repairs to Arch in #19 Preheater - Aliso
(Q) - Insulation - Tripod Structure - Jackson
(R) - Insulation - Steam Piping for Relocated Flow Meters
(S) - Brickwork - Generators #19A & B - Aliso
(T) - Insulation Repairs to Stripper Columns
(U) - Brick Repairs, Gens. 20A&B, 21A&B, 17A&B, 18A&B - Aliso
(V) - Brick Repairs, Fence in #5 Plant - Ducommun
(W) - Insulation, Piping on #4 Plant - Ducommun
(X) - Insulation - Pilot Plant Dimenzer - Absorption Plant
(Y) - Repairs to Arches and Walls of Preheater #18 - Aliso
(Z) - Brickwork Repairs, Alcorn Heater - Macy

SOUTHERN CALIFORNIA GAS COMPANY
Agent for Reconstruction Finance Corp.,
Office of Rubber Reserve

Job No. 5246
Detail

5246

(A) - Furnish and Remove Scaffold from Pressure Stripper - AP
(B) - Insulation Repairs to Alcorn Heater
(C) - Repairs to Arches and Walls of Preheater #17 - Aliso
(D) - Repairs to Arches and Walls of Preheater #19 - Aliso
(E) - Repairs to Arches and Walls of Preheater #20 - Aliso
(F) - Repairs to Arches and Walls of Preheater #21 - Aliso
(G) - Insulate Steam and Exhaust Piping to Dehydration Plant
(H) - Brickwork Repairs to Generators 18A & B - Aliso
(I) - Construction of Supporting Piers, Gens. 21A & B - Aliso
(J) - Insulation of Steam Piping, #1 Generator Plant - Aliso
(K) - Insulation on Steam Line to #8 Oil Pump - Ducommun
(L) - Replace Piers under Tile of Generators 18A & B
(M) - Construction of Supporting Piers of Gens. 19A & B
(N) - Construction of Supporting Piers of Gens. 17A&B, 20A&B
(O) - Insulation, Two Storage Tanks - Macy
(P) - Insulation, Steam Line for #1 Gen. Plant - Ramirez
(Q) - Insulate Supporting Steelwork - Jackson
(R) - Insulate Two Regulators and Piping to Two Feedwater Pumps
(S) - Insulate Steam Piping at Scrubbers #9 and #10
(T) - Insulation Alterations to Dehydration Plant - Macy
(U) - Insulate Steam Snuffer Piping at Preheaters 17,18,19,21
(V) - Insulation Repairs to Compressor #10 - Ducommun
(W) - Insulate Steam Line (Temporary), Area 25 - Macy
(X) - Insulate Piping to #1 Generator, #2 Boiler Plant
(Y) - Insulation Repairs to Pipe and Steam Line - Aliso
(Z) - Insulate Piping for Heating Oil - West End of Jackson

SOUTHERN CALIFORNIA GAS COMPANY
Agent for Reconstruction Finance Corp.,
Office of Rubber Reserve

Job No. 5332
Detail

5332

(A) - Brick Wall - Macy

(B) - Brickwork around Lemlar Vent

(C) - To Repair Brick Wall - Jackson

(D) - Repairs to Brickwork at Pilaster in #1 Plant, Aliso

(E) - Repairs to Oil Scrubber Pit - Aliso

(F) - Brickwork Repairs to Boilers #11 and #12 in #3 Boiler Plant - Aliso

(G) - To Repair Brickwork in #2 DPC Boiler - Aliso

(H) - To Repair Tile and Brickwork in Burner Throats in DPC Boilers #1 aand #3 - Aliso

(I) - Repair Burner Throats, Blrs. #13, #14, #15 - Aliso

(J) - Brickwork Rprs. to Stack Outlet and Duct of Generators Nos. 21A and 21B - Aliso

(K) - Brickwork Repairs, #18 and #20 Boilers - Ducommun

(L) - Brickwk. Rprs. to Blrs. 16 & 17 in #3 Gen. Plt. - Aliso

(M) - Brickwork Repairs to Alcorn Heaters - Macy

(N) - Brickwork Repairs to Edge Moor Boiler #5 - Aliso

(O) - Brickwork Repairs to #8 Holder Yard Wall - Ducommun

(P) - Reprs. to Preheater Duct Gen. #18, Plant #3 - Aliso

(Q) - Brickwork Repairs to #4 Edge Moor Boiler - Aliso

(R) - Brickwk. Rprs. on S.E. corner, Exhauster House #2 - Aliso

(S) - Brickwk. Rprs. & Alterations, Gen. 20A&B & Prehtr.20 - "

(T) - Misc. Brickwork Repairs at #11 Generator - Santa Fe

(U) - To Repair Brick Wall, Plant Area #5 - Ducommun

(V) - Brickwork Repairs to #17 Preheater - Aliso

(W) - None

(X) - Brickwork Repairs to #19 Preheater - Aliso

(Y) - Brickwk. Rprs. to Parapet Walls - Aliso

(Z) - Brickwork Repairs to Preheater #18 and Generator #18 - Aliso

Southern California Gas Company
Agent for Reconstruction Finance Corp.

Job No. 5432
Detail

5432

(A) - To Ins. Piping & Equip. on Dicyclopentadiene Unit - Macy

(B) - Remove & Replace Ins. On Steam Piping to Gens. - Aliso

(C) - Alterations to Overhead & Reflux Piping Columns V2,V3-Maq

(D) - Ins. Feed Inlet Piping to V1 Column - Macy

(E) - Ins. Permanent Support of C5 Cooler & Debutanizer Feedline - Jackson

(F) - Insul. Steam Piping at Loading Rack Facilities- Macy

(G) - Insul. of Semi-Works Fractionating Column and Facilities in Filter Bldg. - Macy

(H) - Insul. Two 16" Valves & Piping on Main Steam Line - Aliso

(I) - Insul. Piping at Depentanizer Recycle Heater - Aliso

(J) - To Insulate Fired Oil Pipint - Ducommun

(K) - To Insulate Piping in Connection with Converting Tanks #2 & #3 MSI & Napthalene Storage - Macy

(L) - To Insul. Burner Piping, Blrs. #18 and #20 - Ducommun

(M) - To Insulate Piping and Blower Unit - Aliso

(N) - To Insul. Tubebundle Burning Facilities - Aliso

(O) - Misc. Insul. Repairs at #11 Generator - Santa Fe

(P) - Alterations to Steam Line outside Chlorinator Bldg.

(Q) - Insul. Slops Oil Shipping Pump Piping - Jackson

(R) - Rpr. Insul. on Ten 8" Process Steam Branch Header Valves Aliso

(S) - Insul. 10" Valve & Spool in Main Steam Header - Ducommun

(T) - Rpr. Fireproof Insul. on Overhd. Condensers Support Structure - Macy

(U) - Insul. Steam Lines to Compressors #8 & #9 - Ducommun

(V) - Rpr. Insul. on Misc. Vessels & Piping - Jackson

(W) - To Remove, Repair and Reinsulate Steam Injection Nozzle, Gens. 17A&B, 21A&B - Aliso

(X) (Y) - none

(Z) - To Repr. Insul. on Generators 17A thru 21B - Aliso

SOUTHERN CALIFORNIA GAS COMPANY
Agent for Reconstruction Finance Corp.

Job No. 5644
Detail

5644

(A)	none	
(B)	none	
(C)	Repairs to Bldg. Brickwork, Areas #7 and #14	Aliso & Ducommun
(D)	To Repair Brickwork of Preheater #20	Aliso
(E)	cancelled	
(F)	Repairs & Alterations to Brickwork, Gens. #21A and #21B, and Preheater #21	Aliso
(G)	To Repair Cracks in Brickwork and Lower Height of One (1) Parapet Wall	Ducommun
(H)	To Repair Brickwork on Alcorn Heater	Macy
(I)	Brickwk. Rprs. on Gens. 17A&B and Preheater #17	Aliso
(J)	Alterations to Brickwork for Steam Injection and Peephole Nozzles on Gens. 17A&B, 21A&B	Aliso
(K)	To Repair Brickwork of Preheater #18	Aliso
(L)	To Repair Brick in Preheater #20	Aliso
(M)	To Repair Brickwork on Preheater #19	Aliso
(N)	Brickwork Repairs and Alterations - Generators 19A&B and Preheater #19	Aliso
(O)	To Repair Insulation of Steam Injection Nozzles Piping, Generators 19A & B	Aliso
(P)	To Repair Brickwork on Boilers #17 and #19	Ducommun
(Q)	To Install Peepholes in Boilers #17 and #19	Ducommun
(R)	To Repair Brickwork, Gens. 18A&B, Prehtr. 18	Aliso
(S)	To Make Repairs and Alterations to Brickwork on Gens. 20A&B, and Preheater #20	Aliso
(T)	To Repair Preheater #17 Roof, #3 Gen. Plant	Aliso
(U)	To Repair Brickwork of Alcorn Heater	Macy

SOUTHERN CALIFORNIA GAS COMPANY
Agent for Reconstruction Finance Corp.

Job No. 5769
Detail

5769

(A) - To Repair Insulation on Depropanizer Pre-heater E16 and Cooler E14 at Absorption Plant- Jackson

(B) - To Insulate Steam Piping to the Ventilating Unit, Prod. Engineers Office, #3 Gen. Plant - Aliso

(C) - To Repair Insul. on Depropanizer Evaporator - Jackson

(D) - To Insulate Model Purifiers and Piping - Aliso

(E) - To Insulate Burner Piping, Blrs. #17 and #19 - Ducommun

(F) - Insulation Work, Area 22 thru 25 - Macy

(G) - None

(H) - Cancelled

(I) - To Insulate 8" Block Valve in East Steam Header, #3 Generator Plant - Aliso

(J) - Insulation of Additional Tank Car Loading Rack Facilities - Macy

(K) - To Repair Insul. for Unfinished Painting Work- Jackson

(L) - To Remove and Replace Insul. on Steam Injection Piping, Generators 18A and 18B - Aliso

(M) - To Insulate Relief Valve and Piping on Misc. Pumps at Dehydration Plant, Area #22 - Macy

ditto Area #15 - Aliso

(N) - To Remove and Replace Insulation on Steam Injection Piping, Generators 20A and 20B - Aliso

(O) - Isolation of Domestic and Industrial Water Supply Systems - Insulation - Aliso

(P) - To Remove and Replace Insulation on Hot Oil and Steam Piping at Generator #18, Damaged by Fuel Oil Spillage - Aliso

(Q) - To Insulate Steam and Condensate Piping - Aliso

SOUTHERN CALIFORNIA GAS COMPANY (Continued)

6/70 Kilns sold to Richard Crawin Co 1700 N Spring St CA

3445	Hoffman Tile Co Ontario Design and construct one circular direct fired tile kilns	
5194	Treasure Craft Compton Maintenance and check-up to rotary hearth tile kiln	(6/68)
5942	Treasure Craft Co Compton Rotary Hearth Kiln	10/14 CRS
"A"	Additional combustion adjustments	
6254	Los Angeles Services of combustion Engineer to operate rotary hearth kiln	
8211	Highgrove Plant Nec. repairs to #4 boiler	4/74
12405	Northridge, CA Repair flare stack #1	10/81
A	Repair flare stack #2	
14224	Goleta Furnish & repair burner cones & brass Spuds	1-28-86

SOUTHERN CALIFORNIA IRON & STEEL CO.

367 - See Johns-Manville Company
Monolithic Baffles

NO. 60-111 R IP U.S.A.

SOUTHERN CALIFORNIA OIL COMPANY

1379 - Huntington Beach - Necessary repairs to #14 Boiler

See Standard Oil & Refining Co.

SOUTHERN CALIFORNIA POTTERY COMPANY
4513 West 153rd Street, Lawndale

5976 - Repairs to Minton Kiln

SOUTHERN CALIFORNIA REFINING (WATSON)

.6467	Colley Engineers and Const. Co. Rebrick two oil heaters	11/70

SOUTHERN ENGINEERING & CONSTRUCTION CO.

8962 - Sunset International Petroleum Corp. - Torrance
Install Refractory Lining in U.O.P. Updraft
Oil Heater

9150 - North American Aviation, Inc. - El Segundo
Brick Two (2) Heat Treating Furnaces

SOUTHERN CALIFORNIA INDUSTRIAL SHEET METAL

12618 MASTER BUILDERS 4/82
Cucamonga, CA
Labor & material to install 6" lining

SOUTHERN PACIFIC COMPANY

5662 - Colton - To Rebrick Two (2) 75 h.p. Liberty Water Tube Boilers

6627 - El Paso, Texas - To Rebrick Two (2) 278 h.p. Battery Set, Water Tube Stirling Boilers

7238 - See C. C. Moore & Co. Engineers
Los Angeles - General Shops - Brickwork and Insulation for One (1) B. & W. Class FF-15 No. 32 Boiler

NO. 901-11 R ... U.S.A

SOUTHERN SERVICE COMPANY, LTD.

2864 - See Fred S. Renauld
Riverside Laundry Company - Riverside
Erie City Boiler Brickwork

2925 - Valley Towel Supply Co.
Boiler Repairs

2978 - Blue Seal Linen Supply
One (1) B. & W. Boiler

3102 - Riverside Laundry - Riverside
Boiler Repairs

3179 - Munger Laundry - San Diego
150 h.p. Llewellyn Boiler

3190 - Ontario Laundry
HRT Boiler

3259 - Munger Laundry - San Diego
200 h.p. Heine Boiler Brickwork

3402 - Orange County Linen Supply Co. - Anaheim
One (1) 170 h.p. Boiler

3447 - Monrovia Laundry
One (1) 250 h.p. Heine Boiler

3476 - Peerless Laundry - San Diego
Reline 66" x 16'-0" HRT Boiler

3682 - Blue Seal Linen Supply Co.
One (1) 150 h.p. Llewellyn Water Tube Boiler

3735 - Blue Seal Laundry Co. - Pomona
Bricking up Building Wall

3808 - Riverside Laundry Company - Riverside
Repairs to Economic Boiler

4023 - Santa Ana Laundry - Santa Ana
Repairs to HRT Boiler Brickwork

4027 - Blue Bird Laundry - Los Angeles
Repairs to Heine Boiler

4271 - Santa Ana Laundry - Santa Ana
Brickwork Repairs to Rear End of #1 Boiler

(contd.)

SOUTHERN SERVICE COMPANY, LTD. (contd.)

4397 - Santa Ana Laundry - Santa Ana
Brick Setting for 72" x 18'-0" HRT Boiler

4622 - San Bernardino Laundry - San Bernardino
Repairs to Two (2) HRT Boilers

4757 - Blue Bird Laundry - Los Angeles
Repairs to Burner Arches on Heine Boiler

4994 - Blue Seal Linen Supply Co. - Los Angeles
Renew Ignition Arch and Repair Rear Wall

5056 - Valley Linen Supply - San Bernardino
Repairs to B. & W. Boiler Setting

5375 - Santa Ana Laundry - Santa Ana
Brick Setting for One (1) 250 h.p. Llewellyn Boiler

5906 - Sanitary Laundry - Pomona
Repairs to Boiler Brickwork

6436 - Hub City Laundry - Colton
Boiler Furnace Repair

6688 - Ontario Laundry - Ontario
Repairs to HRT Boiler

6882 - Long Beach Linen Supply - Long Beach
To Reline Water Tube Boiler

6938 - Munger's Laundry - San Diego
To Repair 200 h.p. Heine Boiler

7046 - Valley Linen Supply - San Bernardino
To Renew Firebox Lining in a B. & W. Boiler

8606 - Sanitary Laundry - Pomona
Repair Settings on Two (2) Erie City Boilers

9705 - Marine Laundry - Wilmington
Labor and Material to Repair Furnace

9825 - Electric Laundry - San Diego
Repair Boiler

SOUTHERN SERVICE COMPANY, LTD.

1093 Pomona - Repairs to Boiler #1 Furnace

SOUTHERN SIERRA POWER COMPANY

243 - San Bernardino - San Joaquin Furnace

245 - See C. C. Moore & Co. Engineers
One (1) Class "O" #20 Stirling Boiler

NO. 901-11 R ...IP... U.S.A.

SOUTH PACIFIC CANNING CO.

4613 - Long Beach - Repairs to One (1) Dryer

SOUTHWEST FOREST INDUSTRIES

3510 Snowflake, Arizona
Refractory repairs to 8 ft. diameter lime kiln

SOUTHWEST GREASE + OIL CO.

5404 Dominguez

Replace burner-grease heating furnace.

SOUTHWEST LUMBER MILLS, INC.

6178 - See C. C. Moore & Co. Engineers
McNary, Arizona
To Rebrick One (1) Class XII No. 38 Boiler
(A) - Brickwork Repairs to Boilers
(B) - Material Only
(C) - Material Only

SOUTHWEST MARINE

13679	Terminal Island "SS Ogdon Columbia" Repairs to Port and Star Port Boiler	10/84
13724	"U.S. Walbash" Terminal Island Repair Boiler	11-84
14024	San Diego "Terminal Island To remove & replace floors of port & Starboard boilers	7-85

SOUTHWEST METALS

10193 San Bernardino 2/78
Supply Combustion & Control Equipment for Rotary Lead Melting Furnace.

"A" To Furnish Labor & Matl to Install Combustion Equipment & Flame Supervisory Panel 7/78

10504 San Bernardino 8/78
Nec Repairs to Melting & Holding Furnaces.

10691 San Bernardino 12/78
Reline Plugs

10768 San Bernardino - Nec. Repairs to Melter 2/79

10820 San Bern.-Repairs to burner Dock on #2 Kettle 2/79

10836 San Bern. - Repair burner block refractory 3/79

10875 San Bernardino - Repair furnace end of flue opening rotary lead furnace 4/79

10959 San Bernardino - Repairs to #2 lead kettle 5/79

10989 San Bernardino - New settling chamber 6/79

"A" Repair afterburner 6/79
"B" Modifications of burner control system 6/79

11039 San Bernardino
Repairs to the rotary lead reverb furnace 7/79

11040 San Bernardino- 7/79
Supply and install combustion system and control panel for 6MM BTU per hr station lead reverb

SOUTHWEST METALS

11189 San Bernardino 9/79
Furnish and install combustion System RPA

A Furnish and install flame supervision panel 12/79

11429 San Bernardino RPA
Repair as req'd and reloc ate after 2/80
burner and quench tower co ntro l panels

11442 San Bernardino RPA
Provide combustion system & control 2/80
panels
A Provide refractories, field piping & elec. work

11445 San Bernardino 3/80
Nec. repairs to lead reverb

11463 San Bernardino 3/80
Nec. repairs to rotary reverb

11525 San Bernardino 4/80
Repairs to rotary lead reverb furnace

11769 San Bernardino 9/80
Repairs to #1 lead pot

SOUTHWEST METALS

11806	San Bernardino Repairs to refractory and burner system for rotary melter	10/80
11897	San Bernardino Repairs to #1 kettle	12/80 CO
11911 A	San Bernardino Rebuild #2 pot Control panel	12/80 CO
11941	San Bernardino Replace burner wall in rotary lead furnace	12/80

SOUTHWEST PAINT COMPANY

4668 - Los Angeles - Reline Pebble Mill

SOUTHWEST PROCESSORS

10029	LA – Install Floor & Sidewall in Kiwani Boiler	10/77

SOUTHWEST STEEL ROLLING MILLS

3791 - Ingot Heating Furnace

3832 - Repairs to Furnace

3850 - Repairs to Flat Arch on Continuous Furnace

3901 - L.A. Repairs to Furnace Arch

4054 - Los Angeles - Brickwork Repairs to Roof and to Install Pyrometer Tube in Side of Furnace

4112 - Los Angeles - Repairs to Mill Furnace

4205 - Los Angeles - Repairs to Billet Heating Furnace

4342 - Los Angeles - Repairs to Furnace Arch

4432 - Los Angeles - Repairs to Billet Furnace

4689 - Los Angeles 2 - Repairs to Billet Furnace, (See Finkelstein Supply Company

5987 - (Los Angeles 2 - Remodeling Rail and Billet Heating Furnaces

(A) - Furnace Demolition and Repair (C) East Wall &Heart)

(B) - Control Building (D) Furn.Discharge Trough Reprs.

6054 - Los Angeles - Repair Skid Rail Tile on Heating Furnace

6124 - Los Angeles - Repairs to Furnace Arch

6127 - Los Angeles - Repairs to Furnace

6407 - Los Angeles - Repairs to Heating Furnace

6527 - Los Angeles - Repairs to Mill Furnace

8647 Los Angeles 1/75
Labor & Mat'l to repair & modify
Charge and Billet Furnace

~~8696~~ Los Angeles - Supply & Install 2/75
~~Fuel Air Ratio Equip. on Billet~~
~~Heating Furnace.~~ Cancel 2/76

9120 Cascade Steel Div-LA 1/76
Modify Reheat Furnace

"A" Supply & Install motorized combustion air valve & oil stomizers. 2/76

SOUTHWEST WELDING AND MANUFACTURING CO.

7634 - Alhambra - To Construct Firebrick Piers on Car for Stress-Relieving Furnace

7992 - Alhambra, California - Brickwork Lining for (3) Three Vessels

8108 - See The Ralph M. Parsons Company
Alhambra - To Line Three Reactor Vessels

8115 - The Ralph M. Parsons Company
Union Oil Company - Cutbank, Montana
Alhambra
To Line Two Reactor Vessels in Your Shop

8208 - Alhambra - Install Reactor Lining.

8284 - Alhambra - Supply and Install Linings for Tow Girdler Converters

8371 - Alhambra - Line One Acid Pickling Tank

8545 - Alhambra - Install Refractory Linings in Three Reactor Vessels

8682 - Alhambra - Supply Labor & Material to Line Five (5) Reactor Vessels

8747 - Alhambra - Repair Annealing Furnace

8936 - Wilshire Oil Company, Inc. - Norwalk
Install Refractory Lining in a Reactor Vessel

9146 - Alhambra - Repair Lining of Acid Tank

9289 - Alhambra - Install Lining in One (1) Reactor Vessel

(B & C included in original job 9800)
9800 - Trinity Dam, California - Design & Construct One (1) Field Annealing Furnace
(C)-Supply Thermocouple Wire (A) Supply Gas Vaporizer (B) Labor & Mat. to Line Furnace Bottom

9818 - Alhambra - Supply Labor and Material to Rebrick Heat Plating Furnace

9919 - Douglas Aircraft Co. - El Segundo
Supply Labor and Material to Install Refractory Lining in One Pebble Air Heater
(A) - Unloading of Alumina Pebbles and Installation in Pebble Heater

(contd.)

SOUTHWEST WELDING & MFG. DIV., YUBA CONSOLIDATED INDUSTRIES INC.

1115 - Douglas Aircraft Co., El Segundo
Install Refractory Lining in Thermo Mixer

1359 - Sandia Corporation - Albuquerque, New Mexico
Labor & material to install Pebble Air Heater Lining

1499 - Shell Oil Company - Dominguez
Equipment & Supervision to Stress Relieve Column Weld

1646 - Alhambra - Labor & Material to install lining in One (1) Desuperheater per M W Kellogg Drawings

SW Welding out of job - Norair only.

See
2076 - Norair Division - Northrop Corp.,
El Segundo - Apply and install Refractory Lining in Pebble Heater

2354 - Alhambra - Reactor Lining Repairs

2531 - Alhambra - Labor and material to install Lining in Reactor Vessel

3472 Union Oil Company
Alhambra
Supply and install AA22 Refractory on reactor riser line

~~XXXX~~

3759 Alhambra
Furnish and install lining in five 16' dia. spherical vessles

(A) Supply equipment for dryout of 5 spherical vessels

SOUTHWEST WELDING & MFG

4678 STANDARD OIL OF TEXAS
El Paso, Texas
Labor to tear out and install refractory materials in cat cracker turnaround.

4755 Alhambra
Line water draw off, vessel D401

4860 Alhambra
Install lining in two methanators R306 and R356

SOUTHWESTERN AGROCHEMICAL COMPANY

9196 - See Utah Construction Company
Chandler, Arizona - Install Brickwork in
Sulfuric Acid Plant

SOUTHWESTERN ENGINEERING COMPANY

201 - Western Oil & Refining Co.
Three (3) 150 h.p. Erie HRT Boilers

260 - Torrance Gasoline Company
Repair Work

249 - Western Oil & Refining Co. - Wilmington
Four (4) Fire Stills

262 - Western Oil & Refining Co.
Service Station

263 - Western Oil & Refining Co.
Two (2) 264.3 h.p. Collins Water Tube Boilers

273 - Brickwork - Rear of Leahy Furnaces under Four (4) Stills

293 - U. S. Refining Company - Davidson City
Three (3) 70 h.p. HRT Boiler

298 - Athens Gasoline Company
Two (2) 54" x 16'-0" HRT Boiler

328 - Western Oil & Refining Co.
Flue Openings for Dampers

2150 - Shell Oil Company - Signal Hill
Five (5) 250 h.p. Llewellyn Boilers

3189 - Krieger Oil Company
Still

3225 - Honolulu Oil Company - Taft
Portable Tube Still Brickwork

3392 - Laredo, Texas - Two Crude Oil Stills Material

3435 - Pacific States Oil Company - Wilmington -
One (1) Upshot Oil Heater

3461 - Pacific States Oil Company - Wilmington
One (1) Portable Heater Tube Still

3474 - Laredo, Texas - Refractories and Insulation for
Two (2) Oil Heaters, Stack and Breeching

3499 - Laredo, Texas - Refractories and Insulation for
One (1) Oil Heater for F-2 Tower

(contd.)

SOUTHWESTERN ENGINEERING COMPANY (contd.)

3576 - The Texas Company - Fillmore
Circular Type U. O. P. Poly Heater

3579 - The Texas Company - Wilmington
One (1) Tube Still

4899 - The Harshaw Chemical Company - El Segundo
Brickwork Enclosure for One (1) Antimony Smelter

4945 - The Harshaw Chemical Company - El Segundo
To Construct One (1) 1,500,000 B.t.u. Air Heating Furnace

4987 - The Harshaw Chemical Company - El Segundo
Flash Roaster Brick Enclosure
(A) - Eight (8) Access Doors

4988 - The Harshaw Chemical Company - El Segundo
Two (2) Refining Furnace Linings
(A) - Converter Furnace - Install Refractory and Insulation Lining

5131 - The Harshaw Chemical Company - El Segundo
Brick Setting for One (1) 85 h.p. Oilfield Blr.
(A) - Brick Paving
(B) - Flue Lining

5476 - Johns-Manville Corp. - Slauson Avenue Plant
Brickwork and Insulation Lining for Three (3) Asphalt Potts; and Burner Equipment

5553 - Standard Oil Company of Calif. - El Segundo
Brickwork and Insulation for One (1) Fired Asphalt Heater

6128 - Shell Oil Company - Willbridge Terminal, Portland, /Oregon
Asphalt Heater

6271 - Standard Oil Company of Calif.

6271 (contd.)
(A) - To Insulate Header Boxes
(B) - To Install 2" of Insulating Concrete in Flue Gas Duct

6388 - Union Oil Company of Calif. - Oleum
Furnaces BN-1 and BP-101--Engineering Only

SOUTHWESTERN ENGINEERING COMPANY

7889 - Vernon, Calif. -- Install Refractory and Insulation Lining for One (1) Portable Asphalt Heater

8484 - See J. T. Thorpe & Sons Inc.
Tidewater Terminal Company - Pasco, Washington
Engineering only for One Portable Asphalt Heater

8691 - Los Angeles - Refractory and Insulation Linings for Three (3) Synthesis Gas Furnaces to be Inspected by the Texas Company

8784 - See J. T.Thorpe Northwest, Inc.
Shell Oil Company - Willbridge, Oregon
Engineering Only for Enclosure for One (1) Portable Oil Heater

8814 - Los Angeles - Install Refractory Linings in Three 42" I.D. Synthesis Gas Generators

8963 - Los Angeles - Install Linings in Three (3) 42" I.D. Synthesis Gas Generators for Export to Korea; and to Furnish Three (3) Sets of Spare Linings, Packed for Export

9031 - Wilshire Oil Company of California - Norwalk
Install Linings on Three (3) U.O.P. Fired Heaters P-H1, P-H2, & P-H3
(A) - Sandblast Heater

9134 - Wilshire Oil Co. of Calif. - Norwalk
Install Concrete Gunite Fireproofing on Vessel Skirt

9356 - The Girdler Corporation - for export to Brazil
Refractory and Insulation Lining for One (1) 30" I.D. Synthesis Gas Generator

9719 - Girdler Corporation - Brazil Export
Refractory and Insulation Lining for 30" Texaco Generator

9740 - Pioche, Nevada - Labor Only to Install Lining in Rotary Kiln
(A) - Labor & Material to Line Hood & Exhaust Flue

SOUTHWESTERN ENGINEERING CO.

9887 - Pioche, Nevada - Repair Kiln Lining
(A) - Repair Nose in Kiln
(B) - Rental of Two (2) Rammers

1002 - Pioche, Nevada - Reline approx. 25' of Rotary Kiln and Install New Throats at Kiln End
(A) - Reline Nose Section of Rotary Kiln

1214 - Signal Oil & Gas Co - Bakersfield
Labor & Material to construct lining in One (1) Petrochem Heater.

1296 - Los Angeles - Labor & Material to Insulate small Test Pipe.

1481 - Texaco, Inc (work done at SW Engr L.A. Plant)
Labor and material to line One (1) Tower

2182 - Borden Chemical Company -
Export Repair parts for refractory & insulation for 30" Texaco Gas Synthesis Generator

2539 - Chung-Ju Fertilizer Plant - Korea (42")
Furnish material for Generator Export

2715 - Borden Chemical Company
Los Angeles
Repair parts for export for 30" Texaco Synthesis Gas Generator

2721 - C. F. Braun & Co - Alhambra
Furnish and install internal insulation in Six
~~37~~ 36" I.D. Cone Channels and six Tube Bundles (
(Hot End Only)

2726	Chung Ju Fertilizer Korea (42") Furnish material for export, Texaco Synthesis Generator
2737	Los Angeles Labor and material to Fireproof Five (5), Vessel Skirts
3268	Borden Chemical Company South America Repair parts for export for 30" Texaco Synthesis Gas Generator
3603	**Borden Chemical Company** **South America** **Repair parts for export for 30"** **Texaco synthesis gas generator**
4623	Los Angeles Furnish refractory lining materials for Texaco generator (for export)
5675	Los Angeles 4/69 Supply Norton matls for WFB Texaco generator (Borden Chemical)
7320	Los Angeles Supply Norton Refractory for Texaco generator in Santos Brazil

SOUTHWESTERN INDUSTRIAL

11329 CONTRACTORS & RIGGERS/
KENNECOTT COPPER CORP 12/79
Hayden, Arizona
Labor only to install acid brick lining in new drying tower

11591 INSPIRATION CONSOLIDATED COPPER CO/
Inspiration, Arizona 5/80
Install refractory as part of ventilation RCN
of the matte end of the electric furnace

11598 KENNECOTT COPPER/Hayden, Arizona
Install new acid brick lining in existing 5/80
94% pump tank RCN

SOUTHWESTERN PORTLAND CEMENT COMPANY

6488 - Victorville - Lining of Kiln End Housing

6690 - Victorville - Labor only for Dust Chamber #1 & #6, Smidth Kiln Hood incl. Insulation, and #1 and #6 Fuller Cooler

6898 - Victorville - Brick Lining for #2 Kiln Hood, Cooler Hood and Dust Chamber--Labor only
(A) - Overtime

6906 - Victorville - Partition Wall in Machine Shop

7098 - Victorville - Brick Lining for #4 Kiln Hood and Cooler Hood--Labor only

7418 - Victorville - To Build #5 Kiln Hood

7443 - Victorville - Linings for: #3 Kiln Hood, Cooler Hood, and Dust Chamber

7854 - Victorville - #7 Kiln Cooler #633
(A) - #2 Kiln Cooler #625
(B) #7 Kiln Hood
(C) - #7 Kiln Smoke Chamber

8218 - Victorville, California
Item 3 - #733 Fuller Cooler - Ref & Ins Lining
(A) - Item 4 - #625 Fuller Cooler - #3 Kiln Ref & Ins Lining
Item 5 - #625 Fuller Cooler - #4 Kiln Ref & Ins Lining
(B) - Item 1 - Smoke Chamber for #8 Kiln - Ref & Ins. Lining
Item 2 - #8 Kiln Hood - Ref & Ins Lining

8353 - Victorville-Install Refractory Lining in #8 Kiln

8660 - Victorville - Lining for Kiln Hood No. 5

8661 - Victorville - Lining for Fuller Cooler #729 on Kiln #5

8736 - Victorville - Line #9 Kiln Firing Hood

(contd.)

SOUTHWESTERN PORTLAND CEMENT CO.

8737 - Victorville - Line #9 Kiln Cooler

8738 - Victorville - Line #9 Kiln

9884 - Los Angeles - Refractory Materials for Firing Hood Fuller Cooler and Dust Hood of #1 Kiln at Odessa, Texas

2571 - Amarillo, Texas
Materials for One (1) Firing Hood and One (1) Fuller Cooler

3395 Black Mountain, California
Install lining in 16' x 17'-6" x 570' kiln

(A) Install plastic firebrick in firing hood

3396 Black Mountain, California
Furnish and install lining for Fuller cooler

3573 Black Mountain
Install refractory lining in feed end hood

4322 Black Mountain
Repair Fuller cooler

4478 Black Mountain
Repair firing hood

10187 A&A Associates - Santa Fe Springs 1/78
Furnish & Install Abresist Lining & Shapes for New Finish Mill.

10250 PLASTAL - Santa Fe Springs 3/78
Install Abresist Lining in 2 Chutes

SOUTHWESTERN PORTLAND CEMENT CO

11084	PLAS-TAL MFG CO Victorville - Install abresist lining in tripper chute	8/79
11111	PLAS-TAL MFG. CO. Victorville - Install abresis & lining in tripper chute	8/79

SPARKLETTS DRINKING WATER CORP.
SPARKLETTS BOTTLED WATER CORP.

2329 - See C. C. Moore & Co. Engineers
One (1) Class HI #6 Stirling Boiler

2604 - Repairs to Boiler

Sparkletts Drinking Water Corp.

6816 - Los Angeles - To Repair Class Hl #6 Stirling Boiler

SPEC CONSTRUCTION COMPANY, INC

1696 - Texaco, Inc - Marine Terminal
Labor & material to Gunite 1" of
Existing Fire Wall

SPENCER KELLOGG COMPANY & SONS, INC.

6120 - See C. C. Moore & Co. Engineers
Long Beach - Brick Setting for One (1) HIII
#10 Boiler

6314 - Terminal Island - Necessary Repairs to Boiler

SPRECKELS SUGAR COMPANY

3954 Tempe, Arizona
Furnish and install lining in vertical lime kiln and furnish only lining for multi-hearth kiln

SPS TECHNOLOGY

12682	Santa Ana, CA Repairs to L & N homogenizing furnace	5/82
12823	Santa Ana, CA Necessary repairs to Ipsen furnace	8/82
12836	Santa Ana, CA Repairs to Ipsen furnace #21	10/82
12899	Santa Ana, CA Repair chain belt furnace	12/82
12920	Santa Ana, CA Repair #8 furnace	1/83
13320	Santa Ana, CA Repair #20 IPSEN Furnace	1/13
13454	Fountain Valley, CA Repair #23 Draw Furnace	5/84
13514	Santa Ana, CA Repair #22 Furnace	6/84
13791	Santa Ana CA Repairs to Ipsen Furnace	1/85
13806	Santa Ana CA Install New floor in Two furnaces #27 and #34	1/85
15169	Santa Ana, CA Repair #5 ISPEN Furnace Hearth	8-15-88

SPS TECH

13893	Santa Ana Repairs to Ispen Furnaces #20,21 &22	4-85
13977	Santa Ana #23 furnace repairs	6-85
14066	Santa Ana Repair #1 furnace	9-85
14159	Santa Ana Repairs to #22 furnace door	12-85
14259	Santa Ana Repairs to #5 Ipsen Furnace	3-12-86
14618	Santa Ana Repairs to #22 Ispen furnace	2/87
14904	Santa Ana, CA Necessary Repairs to IPSEN Furnace	11-13-87
15134	Santa Ana, CA #22 Heat Treat Furnace Refractory Repair	7-8-88

STANDARD BATTERY SEPARATOR CO.

2966 - See Fred S. Renauld
Repairs to Boiler Setting for Economic Boiler

STANDARD ENAMELING COMPANY

3427 - Culver City - Enameling Furnace

4169 - See Western Stove Company
Culver City - Dismantle Enameling Furnace
(A) - Culver City - Rebuild Enameling Furnace

5879 - Culver City - Ball Mill Lining

STANDARD GYPSUM COMPANY OF CALIFORNIA

5407 - See C. C. Moore & Co. Engineers
Long Beach - Brick Setting for One (1) Class H4, No. 22 B. & W. Stirling Boiler

5579 - Long Beach - Brickwork -
One (1) 10' x 8' Calcining Kettle

6211 - Long Beach - Brickwork - Calcining Kettle

6412 - Long Beach - To Reline Kettle

6476 - Long Beach - Brickwork - Calcining Kettle #3

STANDARD OIL COMPANY of Calif.

(SEE CHEVRON USA

Name Changed Beginning of 1977)

STANDARD OIL OF OHIO

11580	Oregon, Ohio Furnish new burner for thermal oxidizer on QTT job 8343	5/80 CRT
12339	PATHWAY BELLOWS El Cajon, CA Install refractory linin in two expansion joints	9/81 RCN

STANDARD OIL COMPANY OF TEXAS

6008 - El Paso, Texas - Detrick End Walls
1930 Pressure Still
(A) - Remove & Rebuild Furnace Floor
(B) - Remove & Rebuild Two Building Walls
(C) - Remove & Rebuild Corners of Columns
(D) - Renew Insulation on End Tube Sheets & Corner Columns

7669 - El Paso, Texas - 1930 Pressure Still Repairs
(A) - Misc. Brickwork Repairs & Install Insulation on Tube Sheets & Header Boxes

7815 - El Paso, Texas - Refractory Lining for Smoke Burner and Air Heater

8132 - El Paso, Texas - Peabody Air Heater Lining
(A) - Lining for Oxy-Catalyst Burner

4678 SOUTHWEST WELDING (Alhambra)
El Paso, Texas
Labor to tear out and install refractory materials in cat cracker turnaround

4679 El Paso, Texas
Labor to repair refractory linings in reactor and misc equip

STANDARD PACKING COMPANY

2463 - Vernon - Repairs to Two (2) 66" x 16'-0" HRT Boilers

NO. 801-11 R IP U.S.A.

STANDARD SHIPBUILDING CORPORATION

4061 - San Pedro Yard - B. & W. Boilers in New V3-S-AH2 Tug Boats

4117 - Terminal Island - Fire Brick Galley Range Liberty Ship S. S. "Samida" (New Construction)

4366 - Bricking up Ash Pan under Boilers of Tugboats Nos. 2, 3, 4, 5, 6, and 7. Extra Work on Side Walls

4371 - S. S. "Nicolaou Maria" Repairs to Boilers, as directed

4389 - WSA 53 - Rebrick Galley Range

4392 - Tugboats "Durable" #3, "Spirited" #4, "Helper" #5, "Resister" #6, Nos. 7 and 8 and FP-158 - Repairs to Galley Ranges

4483 - S. S. "Standard" - FP-174 Repairs to Galley Range

4505 - LST-274 - Repairs to Galley Range Firebox

4538 - S. S. "Joseph Bradley" - Repairs to Two (2) Blrs.
(A) - Galley Range

4566 - S. S. "Edward Hope" - Rebrick Galley Range

4568 - S. S. "McKay" - To Rebuild Galley Range

4591 - S. S. "Wallowa" - Necessary Repairs to Two (2) Blr

4602 - Fireboat ST-164 - Berth #76 - Rebrick Galley Stove
(A) - LST-343 - Reset Fire Brick on Galley Range

4628 - S. S. "Mission Carmel" Brickwork Repairs to Both Boilers

4630 - S. S. "George Clark" - Repairs to Two (2) Boilers

4636 - S. S. "Christopher Gale" - Repairs to Two (2) Boiler Furnaces

4646 - LST-476 - To Rebrick Galley Range
(A) - Brickwork Repairs to Donkey Boiler

4647 - S. S. "Kellogg" - Repairs to Two (2) Boilers
(A) - Repairs to Galley Range'

4658 - S. S. "De Galleia" - Repairs to Port and Starboard Boilers

(contd.)

STANDARD SHIPBUILDING CORPORATION (contd.)

4664 - FS-202 - Repairs to Firebox of Galley Range

4671 - S. S. "Fort Donaldson"
Repairs to Firebox of Two (2) Boilers

4681 - S. S. "John Hoyt"
Hi-temp Wash on Two (2) Boilers

4694 - S. S. "Callabee" - Repairs to Two (2) Boilers

4739 - S. S. "Walter A. Luckenback"
Repairs to #3 and #4 Boilers

4746 - S. S. "Franklin Lane" -
Brick Seal and Brickwork Repairs to Boilers

4754 - APA-223 - Repairs to Boilers

4774 - S. S. APA-225 - Repairs to Two (2) Boilers

4785 - S. S. "Samuel Gompers" - Repairs to Boilers

4787 - S. S. AP-101 - To Rebrick Bake Oven
(A) - FS-213 - Galley Stove Firebox

4799 - S. S. "Hadley" - Repairs to Boilers

4809 - S. S. "Chalmette" - Repairs to Two (2) Boilers

4845 - S. S. "Callabee" - Close Access Doors and Point up Boiler

4853 - S. S. "Chapultepec" - Repairs to Two (2) Boilers

4868 - S. S. "La Brea Hills" - Repairs to Port Boiler

4892 - S. S. "Fort Cornwallis"
Repairs to Brickwork in Two (2) Boilers

4894 - S. S. "Wm. McGuffey" - Repairs to Two (2) Boilers
(A) - Rebrick Galley Range

4895 - FS-396 - Patch Brickwork in Boiler Firebox
(A) - FS-356 - Patch Galley Range

4915 - S. S. "Mission Loreta" - Repairs to Two (2) Blrs.

4923 - S. S. "Perote" - Repairs to Two (2) Boilers

4932 - FS-228 - Rebrick Galley Range

4946 - S. S. "Bunker Hill" - Repairs to Two (2) Boilers

4947 - S. S. "Fort Geroge" - Repairs to Two (2) Boilers
(A) - YMS-268 - To Reline Combustion Chamber

(contd.)

STANDARD SHIPBUILDING CORPORATION (contd.)

4950 - S. S. "Pinnacles" - Repairs to One (1) Boiler

4955 - S. S. "Apache Canyon" - Repairs to Two (2) Blrs.

4970 - S. S. "Montezuma Castle" - Repairs to Two (2) Blrs
(A) - S. S. "Henry S. Sanford" - Rebrick Galley Range Firebox

4982 - S. S. "Sinclair Rubilene" - Rebrick Galley Range

4983 - S. S. "Celilo" - Repairs to Two (2) Boilers
(A) - YF-54 - Repairs to Boiler

4996 - S. S. "William H. Halsted" - Repairs to Two Blrs.
(A) - Galley Range Repairs

4997 - S. S. "Edwin Abbey" - Brickwork Repairs to Galley Range

5002 - S. S. "Kingsport Victory" - Repairs to Two (2) Blr

5009 - S. S. "Schenectady" - Repairs to Two (2) Boilers

5014 - S. S. LST-647 - Repairs to Galley Range

5023 - S. S. "Darling" - Repairs to Galley Range

5041 - S. S. "Platt Park" - Repairs to Two (2) Boilers

5042 - S. S. "Camp Namamu" - Repairs to Two (2) Boilers

5054 - S. S. "Edward L. Grant" - Repair Brickwork of Blrs
(A) - Repairs to Galley Range

5073 - USA7 "Octorara" - Repairs to Port & Starboard Blrs
(A) - Repairs to Galley Range Brickwork

5087 - SS-344 - To Rebrick Galley Range

5096 - LST-611 - Repairs to Galley Range (Cancelled 5096)
(A) - LCI-233 - Repairs to Galley Range

5142 - APD-79 - Repairs to Two (2) Boilers

5161 - PA-209 - Repairs to Boilers

5182 - LST-34 - Bake Oven and Galley Range Repairs

5193 - AK-17 - Repairs to Galley Ranges and Ovens
(A) - Repairs to Boilers #1, #2, and #3

5207 - S. S. "Alfred C. True" - Rebrick Galley Range

5214 - S. S. LCI-1014 - Repairs to Galley Range

5228 - S. S. AN-31 - Repairs to Boiler

(contd.)

STANDARD SHIPBUILDING CORPORATION (contd.)

5251 - S. S. "Trinity Victory" - Repairs to Two (2) Boilers

5259 - S. S. "Crater Lake" - Repairs to Boilers

5316 - S. S. "Young America" - Repairs to Two (2) Boilers

5319 - APA-107 - Repairs to Galley Ranges
(A) - Repairs to Bake Ovens and Fireboxes
(B) - Repairs to Boilers #1 and #2

5412 - DE-411 - Repairs to Two (2) Boilers

5428 - San Pedro - S. S. "Marigold"
To Rebrick Fireboxes of Four (4) Galley Ranges

5442 - AO-61 - Repairs to Four (4) Boilers
(A) - Rebrick Three (3) Galley Ranges
(B) - Remove and Renew Front and Back Walls of #2 Boiler
(C) - Insulation on Walls

5505 - AO-22 - Repair Four (4) Boilers--labor only
(A) - Brickwork per Item #189E on all Boilers

5525 - S. S. "Young America" To Rebrick Bake Oven
(A) - Renew Brick on Four (4) Inspection Doors
(B) - Renew Brick on Four (4) Inspection Doors on Starboard Side

5526 - S. S. "Commando" - Repairs to Boiler

5533 - Rebrick Two (2) Boilers in Yard--labor only

THE STANDARD SLAG COMPANY

7301 - Gabbs, Nevada - Labor only to install Refractory Lining for One (1) Rotary Kiln, 10'x8'x196' long

(A) - To Line Firing Hood

STANDARD STEEL CORPORATION

Formerly: Standard Boiler & Steel Works
Standard Steel Works

Standard Boiler & Steel Works

2311 - French Sardine Company - San Pedro
Two (2) 66" x 16'-0" H.R.T. Boilers

2317 - Southern California Fish Company - San Pedro
Two (2) 72" x 18'-0" H.R.T. Boilers

2513 - Distributors Packing Company
Brickwork Repairs to 150 h.p. Scotch Marine Blr.

Standard Steel Works

2804 - California Rendering Company
Collins Boiler Repair

Standard Steel Corporation

5908 - City of Los Angeles - Asphalt Plant
One (1) Sand Dryer Firebox Lining

6093 - Union Sugar Company - Betteravia, Calif.
One (1) Direct Fired Calciner
(A) - Sinton & Brown, Betteravia - Repairs to Dryer

6126 - Minnesota Mining & Mfg. Co. - Corona
Line Dryer Firebox
(A) - Kiln Hood
(B) - Stack Base
(C) - Kiln Lining

6227 - Sinton & Brown Company - Betteravia, Calif.
To Install 2400 - 6" Kiln Blocks in Rotary Kiln

7019 - City of Los Angeles - North Hollywood
Incinerator Combustion Chamber Lining

7102 - Los Angeles 58 - To Line Nine (9) Mobile Combustion Chambers

7490 - Pioche Manganese Company - Pioche, Nevada -
Refractory Lining for One (1) #633 Fuller
Inclined Grate Cooler

STANDARD STEEL CORPORATION

9539 - Vernon - Labor Only to Install Plastic Firebrick in One (1) Combustion Chamber and Two (2) Tuyere Blocks
(A) - Install Lining in Tuyere Block C-9194-0

9566 - Vernon - Line Tuyere Blocks
(A) - Line Tuyere Blocks
(B) - " " "
(C) - " " "
O.K. (D) - " " "

9598 - Vernon - Line Tuyere Blocks
(A) - " " "
(B) - " " "
(C) - " " "
(D) - " " "
(E) - " " "
(F) - " " "
(G) - " " "
(H) - " " "
(I) - Cancelled
(J) - " " "
(K) - " " "

9646 - Vernon - Line Tuyere Block
(A) - Line Tuyere Block
(B) - Plastic Refractory Installation in Combustion Chamber
(C) - Line One (1) Tuyere Block
(D) - Line One (1) Tuyere Block
(E) - Line One (1) Tuyere Block
(F) - Line One (1) Tuyere Block

9699 - Vernon - Line (1) Tuyere Block
(A) - Line One (1) Tuyere Block
(B) - " " " "
(C) - " " " "
(D) - " " " "
(E) - " " " "
(F) - " " " "
(G) - " " " "

STANDARD STEEL CORPORATION

9762 Vernon - Line One (1) Tuyere Block
(A) Line One (1) Tuyere Block
(B) " " " " "
(C) " " " " "
(D) " " " " "
(E) " " " " "
(F) " " " " "
(G) " " " " "
(H) (I) (J) " " " " "

(I, J, & F Cancelled) H

9845 Vernon - Line and Cure Tuyere Block

9894 Los Angeles - Line Tuyere Block
(A) Line Tuyere Block with Sillimanite Brick

9994 Vernon - Ram One Tuyere Block
(A) Ram One Tuyere Block

1130 Vernon - Install Brickwork in 15" dia. x 8' Rotary Dryer

1316 - Trans-Arizona-Los Angeles
Install Refractories in One Rotary Calcining Furnace

1560 - Los Angeles - Labor only to replace Brickwork and Insulation in Annealing Furnace

1677 - U. S. Borax & Chemical Co - Los Angeles Std Steel Plant
Install Lining in Air Heater Furnace

2666 - Vernon - Install Refractory Lining in Hydrocarbon Co. Vertical Heater

2849 - National Chloride Company - Amboy
(Work to be done at Vernon)
Line Furnace of Rotary Dryer

5956 Pasadena, Texas 10/20
J T Thorpe Houston
Brown + Root
Furnace Lining

STANDARD-VACUUM OIL COMPANY

9681 - South Africa Export
One Hot Gas Bypass Valve

STANDARD WIPING RAG COMPANY

3756 - Repairs to HRT Boiler

STANOLIND GAS & OIL COMPANY

6228 - See C. F. Braun & Co.
Slaughter Field, Coble, Texas - Material Only -
Two (2) 15 x 20 x 30 Fired Heaters

(A) - Two (2) Fired Heaters--Labor Only

~~(B)~~ - Two (2) Riley Boilers--Labor Only

6607 - See C. F. Braun & Co.
Stearns Rogers Manufacturing Co.
Odessa, Texas
12 x 15 x 30 Fired Heater--Material only

see the Fluor Corporation, Ltd.

7414 - Levelland, Texas - Sulphur Plant - Enclosures for One (1) F-1 Reactor Furnace & One (1) V-2 Converter

(A) - Brickwork & Insulation Repairs on Feed Water Economizer

(B) - Completion of Brickwork & Insulation on Union Iron Works Waste Heat Boiler

(C) - Repairs to Brickwork & Insulation on Union Iron Works Waste Heat Boiler

NO. 301-11 R IP U.S.A.

STANTON, E. J., & SON

2106 - Repairs to One (1) 72" x 18'-0" HRT Boiler

NO. 601-11 R HP U.S.A.

STAR BRASS FOUNDRY COMPANY

5748 - Los Angeles - To Install Carbofrax Lining in Schwartz Furnace

NO. 201-11 R ZIP U.S.A.

STARKIST TUNA

6760	Terminal Island Refractory Lining in one Large Evaporator Firebox Dryer	6/71
"A"	Line Stack on Small Furnace	8/71
6876	Terminal Island Repair Stack in Large Dryer	9/71
7077	Terminal Island Refractory Lining in one Small Dryer Firebox	2/72
7742	Terminal Island Necessary repairs to #3 reduction dryer	6/73
7904	Terminal Island Install bullseye in burner of larger dryer	10/73
8302	Terminal Island Repairs to large and small dryers	6/74
9855	Term. Is. Repairs #1 Drier	7/77
10488	Term. Is. - Repairs to Small Dryer	8/78
11703	Terminal Island Repairs to #1 dryer	8/80
14856	Terminal Island Cease Fire	10-2-87
15160	Terminal Island Cease Fire Job	8-3-88

STAR LIGHTING FIXTURE COMPANY

7596 - Los Angeles, Calif. - Supply and Design Combustion and Control lSystems for Glass Bending Furnace

STAR ROOFING COMPANY

Job No. 2316 - South Gate - Three (3) 8' x 20'
Conventional Stills

STARBOARD SHIPPING COMPANY

4207

New York
TODD SHIPYARDS CORP.
San Pedro
"SS Asteri"
Necessary repairs to port and starboard boilers

STARRETT BROTHERS AND EKEN, INC.

6863 - Metropolitan Life Insurance Company
Parklabrea Housing Project - Los Angeles
Incinerator Brickwork and Stack Linings for the
18 Tower Buildings

7409 - Metropolitan Life Insurance Co - Parklabrea
Housing Project - Los Angeles - Refractory
Brickwork for One (1) Smoke Burner
(A) - To Repair Brickwork around Burner in #1 Bldg.
Incinerator

7452 - Metropolitan Life Insurance Co. - Parklabrea
Housing Project - Los Angeles - Refractory
Brickwork for 35 Smoke Burners

7496 - Metropolitan Life Insurance Company - Parklabrea
Housing Development - Los Angeles - Incinerator
#2, Bldg. #2 - To Install Permanent Baffle and
Floor Plate in Firing Area of Settling Chamber
to Match Balance of Units
(A) - Incinerator #2, Bldg. #1 - To Repair Burner and
Draft Openings

STATE STOVE AND MFG° CO.

5901	Henderson, Nevada Acid brick lining for 4 tanks and adjacent floors and gutters	9/22

STATES MARINE LINES
STATES MARINE CORPORATION

7675 - Terminal Island - S. S. "Vinstra"
Boiler Repairs

8636 - Long Beach - S. S. "Golden State"
Renew Lower Half of Front Wall in Port Boiler

9029 - Long Beach - Pier "A" , Berth #10
S. S. "garden State"
Repairs to Port and Starboard Boilers

9953 - S. S. "Empire State" - Repairs to Starboard Boiler

4852 "SS Green Lakes"
Port Hueneme
Repair starboard boiler

4890 "SS Magnolia State"
Port Hueneme
Repair starboard boiler

4967 "SS Magnolia State"
Long Beach
Repair starboard boiler

5132 Isthmus Agency
"SS Steel Seafarer"
San Pedro
Repair port boiler (5/68)

5218 "SS Keystone State"
Long Beach
Repair port boiler

STATES MARINE LINES (CONT)

5316 "SS Badger State"
Long Beach
Repair port boiler.

5324 "USS Steelworker"
Port Hueneme
Repair starboard boiler.

5357 "SS Wolverine State"
Long Beach
Repairs to starboard boiler.

5478 "SS Colorado" 12/68
Long Beach W.O.
Repair Port Boiler

5747 "SS Garden State" 6/11/69
Repairs to STARBOARD BLR
LONG BEACH

5951- Isthmian Agency 10/69
Long Beach WO
Port Hueneme
"SS Keystonestate"
Repairs to starboard boiler

See States Steamship

STATES STEAMSHIP COMPANY

6732 - See J. T. Thorpe & Son, Inc.
Long Beach - S. S. "Wyoming"
Labor and Material for Front Wall

8169 - Long Beach - Pier "A", Berth #2
S. S. "Charles E. Dant" - Renew Floor and
Lower 3/4 ths of Front Wall in Port Boiler

9510 - Pier C - Berth 21 - S.S. Philippine Transport"
Long Beach - Repairs to Port Boiler

9533 - Pier C - Berth 21 - S. S. "C. E. Dant"
Long Beach - Repairs to Starboard Boiler

9549 - Long Beach - S. S. "Pacific Transport"
Repairs to Port Boiler

9907 - San Francisco - S. S. "C. E. Dant"
Repairs to Port Boiler

9933 - Pier C - Berth 21 - Long Beach - S.S. "M.M. Dant"
Repairs to Port Boiler

1134 - Berth 21 - Long Beach - S. S. "Pacific Transport"
Repairs to Starboard Boiler

1252 - Wilmington - SS "C. E. Dant"
Necessary repairs to Starboard Boiler.

1318 - Long Beach - SS "Texas"
Repairs to Port Boiler.

1483 - Long Beach - SS "New York"
Necessary repairs to Port Boiler

2590 - Long Beach - SS "California"
Repair Port Boiler

2951 - Long Beach - SS "California"
Necessary repairs to Port Boiler

STATES STEAMSHIP CO (Continued)

4138	c/o Lyke Bros. Long Beach "SS Leslie Lykes" Repairs to starboard boiler	
4800	"SS Hawaii" Long Beach Repair starboard boiler	
4811	"SS Oregon" San Pedro Repair starboard boiler	
4848	"SS M. M. Dant" Long Beach Repair port boiler	
5118	"SS Oregon" San Pedro Repair port boiler	
5541	"SS Montana" Long Beach Repair Port Boiler	1/24/69 W.O.
5989	"SS Michigan" Long Beach Repair port boiler	11/69 WO

STATES STEAMSHIP CO (continued)

6071 "SS STEEL AGE" - Long Beach
Repair starboard boiler 1/70

6080 "SS STEEL ARTISAN" - San Diego
Repair port boiler 1/70

6090 "SS EVERGREEN STATE" - Port Hueneme
Repair port boiler 1/70

6098 "SS MICHIGAN" - Long Beach
Repair starboard boiler 1/70

6141 "SS IDAHO" - Long Beach
Repair port boiler 3/70

6157 "SS KEYSTONE STATE" - Port Hueneme
Repair port boiler 3/70

~~6173 "SS MICHIGAN" - Term. Island~~
Beth. Ship ~~Port and Starboard boilers~~ 3/70

6301 States Marine Isthmian Agency Inc.
"SS Keystone State"
Long Beach
Repair starboard boiler

6302 States Marine Isthmian Agency Inc
"SS ~~Keystone~~ Blue Grass State"
Long Beach
Re pair port boiler

6324 "SS Idaho"
Long Beach
Repair burner throats starboard blr

6539 "SS Montana" - Long Beach
Repair starborad boiler 12/70

6746 "SS Michigan"
Long Beach
Repair Port Boiler 6/71

STATE STEAMSHIP COMPANY (Continued)

7227	"SS Montana" Long Beach Repair Starboard Boiler	6/72
7479	SS Montana Long Beach Necessary Repairs to Starboard Boiler and Heater.	12/72
7988	SS"Montana" Long Beach Labor only to remove debris from from port boiler super heater	12/5
8536	SS Montana Long Beach - Berth 32 Repairs to Port Boiler	10/74
9600	Long Beach - "SS Michigan" Repair Port Boiler	1/77

STATLER HOTEL

7038 - See C. C. Moore & Co. Engineers
Los Angeles - Settings for Three (3) H3 #22 Blrs.
(A) - Stack Lining

9162 - Los Angeles - Repair Arches over Leahy Burners on #2 Boiler

9215 - Los Angeles - Repair Burner Arches over Leahy Burners of #3 Boiler

NO. 301-11 R ZIP-T U.S.A.

STAUFFER CHEMICAL COMPANY

2164 - See C. C. Moore & Co. Engineers
Repairs to B. & W. Boiler

2219 - Two (2) Sulphur Combustion Chambers

2255 - Dominguez - Lime Kiln

2561 - See H. A. Elsdon
Dominguez - Repairs and Insulation to #1 and #2 Evaporator

2584 - See Dominguez Chemical Company, Div. of Stauffer Chemical Company
Repairs to Insulation - Acid Plant /Co.

2630 - See Dominguez Chemical Co., Div. of Stauffer Chem.
Insulation Repairs

2639 - Dominguez - Repairs to Insulation of Steam Lines.

2668 - See Dominguez Chem. Co., Div. of Stauffer Chem. Co
Dominguez - Insulation Repairs on Preheater and Piping

2955 - Dominguez - Repairs to Lime Kiln

3297 - Pacific Hard Rubber Co.
Smoke Stack Brickwork Repairs

3389 - Lime Kiln Repairs

3517 - Dominguez - Rotary Kiln Lining Repaired

3643 - Reline 16 ft. Section Rotary Kiln

3746 - Dominguez - Repairs to Rotary Kiln Lining

3807 - See Dominguez Chem. Co., Div. of Stauffer Chem.Co.
Dominguez - Reline Sulphur Burner

3844 - See Dominguez Chem. Co., Div. of Stauffer Chem.Co.
Dominguez - Alterations to Sulphur Burner

3926 - Dominguez - Repairs to Rotary Kiln

3979 - See Dominguez Chem. Co., Div. of Stauffer Chem.Co.
Brickwork Repairs to Combustion Chamber Brickwork, Mist Catcher, Lead Tower, etc.

4002 - Torrance - Line Combustion Chamber and Power House
(A) - Repairs to Acid Tower

4005 - See Dominguez Chem. Co., Div. of Stauffer Chem.Co.
Dominguez - Gas Cooling Tower and Acid Tank Coke Boxes and Absorbing Tower (contd.)

STAUFFER CHEMICAL COMPANY (contd.)

4022 - Dominguez - Repair Lining in Rotary Line Kiln

4056 - Dominguez - Repairs to Sulphur Tank
See Dominguez Chem. Co., Div. of Stauffer Chem. Co.

4084 - Los Angeles - Brickwork Acid Tank

4094 - See Dominguez Chemical Co., Div. of Stauffer Chem.Co
Dominguez - Repairs to Decarbonizer

4115 - See Dominguez Chem. Co., Div. of Stauffer Chem. Co.
Brickwork Repairs to #2 Absorber

4154 - See Dominguez Chem. Co., Div. of Stauffer Chem. Co.
Dominguez - Acid Brickwork - #1 Absorbing Tower

4172 - See Dominguez Chemical Co., Div. of Stauffer Chem.Co
Dominguez - Repairs to Combustion Chamber in Sludge Furnace

4199 - Dominguez Division (Formerly Dominguez Chem. Co.)
Brickwork Repairs to Red Brick Building

4242 - & (A) & (B) - Dominguez Division
Insulation of Tank and Piping

4256 - Dominguez Division - Acid Brickwork Repairs

4309 - Dominguez Division - Arch Work in #2 Drying Tower and Reline Incinerator

4332 - Torrance - Acid Brickwork - Line Nozzle on Combustion Chamber

4363 - Dominguez Division - Reline Drying Tower, Surge Box and Grill Work in #1 Drying Tower
(A) - Acid Brickwork

4487 - Dominguez Division - Waste Heat Boiler #2 Brickwork Repairs

4532 - Dominguez Division - Acid Brick Lining - One (1) Tank 10'-0" dia. x 5'-0" deep

4536 & (A) thru (N) - Dominguez Division
Insulation Work

4617 - Dominguez Division - Acid Brick Lining in 72" dia. x 30'-0" Acid Storage Tank

(contd)

STAUFFER CHEMICAL COMPANY (contd.)

4673 - Vernon - Install 4½" Acid Brick Lining in Tank

4722 - Torrance - Burner Brickwork

4728 - Torrance - Insulation on Redler Feeder

4760 - See N. Y. O. Chemical Corp., affiliated with Stauffer Chemical Co.
Dominguez - Reline One (1) 5' x 5' Acid Tank
(A) - Acid Brick Lining in One (1) 10"-12" C. I. Eccentric Reducer

Plant #2

4797 - Dominguez Plant - Combustion Chamber Brickwork
(A) - Insulation on Sulphur Tank, Air Ducts, Preheater and Burner Heads

4798 - Dominguez Plant - Contact Sulphuric Acid Plant - Acid Brickwork in Cooling Tower -Plant #2

4870 - Dominguez - Brickwork Repairs - #10 Decomposer

4878 - Vernon Plant - Acid Brickwork - Two (2) 72" x 24'-0" Tank Shell

4900 - Dominguez Division - Dominguez
Lining SO_2 Steel Flues and Installing Damper

4901 - Dominguez Division - Dominguez
Acid Brickwork for Four (4) Filter Boxes

4942 - Torrance - Insulation Repairs on Experimental Plant

4943 - Dominguez Division - Dominguez
Remove Insulation and Reinsulate Decomposer Shells Nos 1, 5, 6, 7, 8, 9, and 10.

4973 - See New York Ohio Chemical Corp., affiliated with Stauffer Chemical Co.
Dominguez - Acid Brickwork Repairs

4981 - Dominguez Division - Dominguez
Waste Heat Boiler Brickwork Repair

5037 - Torrance - Insulation Repairs on Experimental Plant

5061 - Dominguez Division - Dominguez
Surge Tank Acid Brick Lining

5106 - Torrance - Brickwork Repairs to Experimental Plant Furnace

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STAUFFER CHEMICAL COMPANY (contd.)

5154 - Vernon - Brickwork - CO_2 Generator

5169 - Dominguez - Division - Insulation Work

5189 - Torrance - Repairs to Sulphur Hopper Duct

5215-A - Acid Cooling Tower Repairs
(B) - Rotary Kiln - New Lining

5222 - Dominguez - Insulation Repairs to Caustic Tank

5223 - Dominguez Division - Dominguez - Brickwork for Filter for D. C. Unit Converter

5229 - Torrance - Insulation Repairs to Converter System

5293 - Dominguez Division - Dominguez
Acid Brickwork Leonard-Montsano Filter Box,
(A) - Mannheim Furnace Repairs

5314 - Torrance - Brickwork for Installing Stoker in Experimental Decomposer Furnace

5393 - Dominguez Division - Dominguez
& A-K Insulation Repairs

5403 - Torrance - Acid Brickwork - Lead Tower

5419 - Torrance - Repairs to Insulation on Experimental Unit

5529 - Vernon - Acid Brick Lining in Surge Box

5642 - Vernon - Line Firebox of Sulphur Melting Pot

5684 - Vernon Plant - Acid-Proof Brick Lining in Paddle Mixer

5701 - See R C S Engineering Company
Three (3) 85 h.p. Boiler Settings
(A) - Insulation of Two (2) 85 h.p. Oil Field Boilers
(B) - Insulation of Drums

5752 - Vernon - Acid Brick Lining of 22" Pipe

5780 - Torrance - Construct New Pipe Heating Furnace

5811 - Dominguez Division - Insulation Repairs and Acid Brickwork for January
(A) - ditto for February
(B) - " for March
(C) - " for April
(D) - " for May
(E) - " for November

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STAUFFER CHEMICAL COMPANY (contd.)

5831 - See New York Ohio Chemical Corp., affiliated with Stauffer Chemical Co.
Dominguez - To Install Acid-Proof Brick Lining in One (1) 12'-0" dia. x 7'-0" high Reaction Vessel
STAUFFER'S NAME — ALUMINUM CHLORIDE REACTOR

5918 - Dominguez Division - Dominguez
To Install Brick Lining in Stack Breeching Inlet and Change Seal

6049 - Dominguez - 8 ft. dia. Absorbing Tower - Acid-Proof Brickwork

6085 - Dominguez Division - Dominguez
Caustic Pot Brickwork
(A) - Caustic Pot Brickwork

6090 - Vernon - Acid-Brick Lining of Pipe

6206 - Dominguez - Dominguez Division
Insulation Repairs for 1948
(See Job No. 5811 for 1947)
(A) Maint. Ins. Repairs
(B) " on Two (2) Heat Exchgrs.

6340 - Dominguez - To Tear Out and Replace Brickwork for Renewing Cast Iron Caustic Pots in Two (2) Furn.
(A) - To Install Burner Tile In #4 Caustic Fusion Furn.

6457 - Dominguez - Dominguez Division
To Install Acid Brick Lining in #3 Absorbing Tower

6466 - Torrance - To Line Sulphuric Acid Converter

6506 - Dominguez - Dominguez Division
(Refer to Job No. 6206 for 1948)
Maintenance and Repairs to Insulation for year of 1949
(A) - Month of June
(B) - Month of November

6524 - Torrance - Insulation Work on Converter and Ducts
(A) - To Repair Insulation as directed

6544 - Dominguez Division - Dominguez
To Install Refractories and Insulation for One (1) 21" I. D. x 15'-0" long H_2S Firing Tunnel, including Connecting Flue

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STAUFFER CHEMICAL COMPANY (contd.)

6577 - Dominguez Division, Dominguez -
Brickwork to 10'-0" dia. Sulphur Burner

6640 - Torrance - Acid-Brick Lining for One (1) Cooling Tower
(A) - Addl. Opening and Insulation in Crown of Acid Brick in Cooling Tower

6703 - Torrance Plant - To Insulate One (1) Steam Pot at Laboratory

6708 - Dominguez, Dominguez Division
Acid-Proof Brick Lining in One (1) Electrostatic Precipitator

6737 - See Montrose Chemical Corp. of Calif.
(affiliated with Stauffer Chemical Co.)
Torrance - To Install the Acid-Proof Brick Lining in One (1) Vertical Steel Tank 41" dia. x 7'-0" high
(A) - To Install an addl. 4½" Acid-Proof Brick Lining

6786 - Vernon - Acid-Brick Lining for a 22" I. D. x 24" long Pipe
(A) - To Brick Line "A" Mixer (B) Same as "A"

6790 - Dominguez Division, Dominguez
Refractory Lining for One (1) H2S Furnace Connecting Pipe and 4 ft. Extension to Existing Dutch Oven
(A) - Brickwk. Reprs. to Dutch Oven of Combustion Chamber

6795 - Dominguez Division, Dominguez & Brickwork
Maintenance and Repairs to Insulation for Year 1950
(For Year of 1949, Refer to Job No. 6506)

6808 - Torrance Plant - To Install Acid-Brick Lining in One (1) Tank 3 ft. wide x 5 ft. long x 3 ft. high

6829 - See Keystone Steel Fabricating Co.
Henderson, Nevada - Lindane Plant -
Acid-Proof Linings for:
One (1) Molten BH6 Tank; and One (1) Still

6831 - Torrance - Research Department -
To Insulate Dixon "Steam King" Boiler
(A) - To Insulate Piping at Research Dept.

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STAUFFER CHEMICAL COMPANY (contd.)

6851 - Dominguez Division - Dominguez
Acid-Proof Brick Lining for One (1) Quench Chamber and Connecting Flues
(A) - Drill and Plug Drain Hole Bottom of Quench Tank
(B) - To Repair Lining of Primary Quench Chamber

6953 - Dominguez Division - Dominguez, Calif.
Brickwork Repairs to One (1) Custic Pot

6964 - Torrance - Research Department -
Insulation for One (1) Tank

6995 - Torrance - To Repair Acid-Proof Brick Lining of Nozzle for Cooling Tower

7001 - Dominguez Division - Dominguez
Insulation for One (1) Foster-Wheeler Economizer

7033 - Torrance - Insulation Repairs to Piping and Equipment, Damaged by Fire

7044 - Dominguez Division - Dominguez, Calif.
Acid-Proof Brickwork for New SO_2 Inlet for Plant #1 Tower; and New Piers and Grillwork for Tower
(A) - To Install Sloping Floor and 18" dia. Nozzle for Quench Tower
(B) - Labor and Acid Proof Cement only to Install Sloping Floor in One (1) Pump Tank for Quench Tower

7075 - Dominguez Division - Dominguez, Calif.
Labor and Expense Items only for Miscellaneous Insulation and Brickwork Repairs for Year 1951
(A) - Brickwork Repairs to Install New Bulkhead in 30" I. D. Manhole in Combustion Furnace in Sludge Plant
(B) - To Remove Insulation from Piping and Equipment of #3 Badische Unit
(C) - To Insulate 16" Piping for Converters
(D) - To Insulate One (1) Heater as Directed
(E) - Brickwork Repairs to Buildings
(F) - Insulation Repairs to Converter
(G) - To Insulate 30" dia x 13'-0" long Vessel & Misc. Insulation Required
(H) - To Repair Pier of #4 Caustic Pot
(I) - Quench Pump Tank Plant #2

(contd.)

STAUFFER CHEMICAL COMPANY (contd.)

7088 - Dominguez Division - Dominguez
Fire Brick Lining for Outlet Flue of Combustion Chamber of #1 Sludge Plant /Chamber
(A) - Brick Lining in Connection of New Flue for Comb.

7091 - Torrance - Acid-Proof Brickwork for One (1) Acid Tank

7092 - Dominguez Division - Dominguez
Acid-Proof Brick Lining for One (1) Drying Tower, including Inlet and Outlet Vestibules

7104 - Torrance - Insulation Work for Steam Boiler #2
(A) - Fireproof Pipe Supports of Pilot Plant

7105 - See Leonard Construction Company
Vernon - Acid-Proof Brickwork and Refractory Brickwork for New Contact Sulphuric Acid Plant
(A) - Packing Oleum Tower (B) - Line Stack Breeching

7109 - Torrance - Acid-Proof Brick Lining in Bottoms of Four (4) Manholes

7161 - Vernon - Water-White Sulphuric Acid Tanks - Acid Brickwork

7195 - Vernon - To line One (1) Neutralizing Tank at Muriatic Carboy Wash Rack

7216 - Dominguez Division, Dominguez - To Line Sewer Pit with Acid-Proof Materials

7217 - Dominguez - Brickwork for One (1) 10 ft. dia. Caustic Pot

7244 - Torrance - Insulation Work at Research Dept.

7267 - Dominguez Division, Dominguez - To Construct Acid-Proof Lining for One (1) Sewer Manhole

7271 - Dominguez Division, Dominguez - H_2S Furnace - Brickwork Repairs

STAUFFER CHEMICAL COMPANY (contd.)

7308 - Dominguez - Drying Tower No. 2 - Acid-Proof Work

7344 - Dominguez - Acid-Proof Brick Lining in Surge Tank for Drying Tower
(A) - To Repair Bulkhead in Sulphur Furnace
7370 - Henderson - Acid Brickwork

7426 - Dominguez Division - Dominguez, Calif.
To Install Acid Brickwork in Oleum Tower
(A) - To Install Acid-Brick Lining in Manhole

7477 - Dominguez Division - Dominguez - Caustic Pot
To Repair Brick Pier
(A) - Acid Brickwork on Stack Precipitator
(B) - Absorbing Tower
(C) - Drying Tower
(D) - Quench Tower
(E) - Manhole and Gutter
(F) - Brickwork around Damper between Quench Tower & Sulphur Burner
(G) - To Repair Maholes
(H) - Brickwork Repairs
(I) - Brickwork Repairs
(J) - To Line 48" Flue between Combustion Chamber and Absorbing Tower
(K) - To Replace Center Pier at Caustic Pot #4
(L) - To Repair Dutch Oven of Combustion Chamber
(M) - To Install Baffle Wall in 30" dia. Pipe

7525 - Dominguez Division - Dominguez, Calif. - Baffle Wall for Boiler -- 65% Oleum Plant

7558 - Dominguez Division - Dominguez, Calif. - Caustic Pot Brickwork

7597 - Vernon, California - Reline "A" Mixer

7702 - Vernon - To Reline 12'-0" dia. x 9'-6" high Water White Acid Tank

7734 - Dominguez Division - Dominguez - For Year 1953)
Acid-brick lining for Sewer Line
(A) - Experimental Heat Exchange Connection
(B) - To Line Two (2) Pits with Acid Brick
(C) - To Install Inner 4½" Sil-O-Cel Lining in Primary Quench Chamber, Plant #2

STAUFFER CHEMICAL COMPANY (contd.)

7734 (contd.)

(D) - To Cut Holes
(E) - To Repair Center Pier of Caustic Pot #4, #1, #2, #3, #5
(F) - To Repair #1 Sludge Pot
(G) - Necessary Repairs to Foster Wheeler Waste Heat Blr.
(H) - Replace Access Door in Sludge #1
(I) - #4 Absorbing Tower
(J) - Manhole in Sludge #1
(K) - Drying Tower - Acid-Proof Brickwork
(L) - To Repair Sludge Tank - Plant No. 2
(M) - To Repair Burner in H_2S Furnace
(N) - To Install 24" Outlet in Hot Gas Filter Furnace
(O) - To Line One (1) Concrete Pitt 6'x12' with Acid-Proof Brick
(P) - Install Blind in 4 ft. Diameter Pipe

7788 - See Leonard Construction Company - Dominguez
To Line Floor of 17 ft. dia. Tank with Insulating Brick - Labor only

7877 - Vernon - Acid Brick Lining in Steel Tank

8016 - Dominquez, Calif. - To Install Refractory Linings for One (1) 14' I.D x 40' Main Combustion Chamber - One (1) 14' I.D x 25' Dust Chamber, & One (1) 4'-9" x 81' Gas Flue

8009 - See Leonard Construction Co.
Dominquez, California
Line Floor of 17 ft. dia. Tank with Insulating Brick

8027 - Dominquez Division - Dominquez, California - To Line One (1) 24" diax 36" long Combustion Chamber for 6" Tunnel Burner

8145 - See Macco Corporation
Dominguez Division
Labor only to Line Sump Hole with Acid Brick

(contd.)

STAUFFER CHEMICAL COMPANY (contd.)

8162 - Vernon - Acid Linings in Two 8ft. dia. x 12ft. High Tanks

8279 - Dominguez - Install Lining of Insulating Fire Brick in Air Inlet Vestibule for Dutch Oven at Sludge No. 1
(A) - Repair Brickwork in #5 Caustic Pot
(B) - Repairs to Caustic Pots
(C) - Insulate 4" Sulphur Dioxide Vent Line
(D) - Renew Inner Lining of Insulating Brick in Primary Quench Chamber
(E) - Insulation Repairs to #65 Oleum Plant
(F) - Repair Door on Caustic Pot
(G) - Repair Sewer Pipe where Pipe Enters Manhole
(H) - Line Two Sewer Manholes
(I) - Install Hot SO_2 Duct to Quench-Tower, Pit No. 1

8332 - Vernon - Brkwrk Repairs to Co_2 Burner

8411 - Vernon - Mixed Fertilizer Plant Acid-Proof Brickwork, Scrub Tower
(A) - Install Packing in Scrub Tower

8441 - Vernon - Mixed Fertilizer Plant Install Fire Brick Lining in One 8'-4" dia. x 22'-4½" Air Heating Furnace
(A) - Line Feed Chute on Fertilizer Dryer

8566 - Dominguez - Refractory Repairs to Foster Wheeler Boiler

8676 - Dominguez - Repair #1 Sludge
(A) - Alterations and Repairs to Two (2) Caustic Pot
(B) - Repairs to #3 Caustic Pot
(C) - Install Brickwork in Sump for Collecting Liquid Waste from Trenches

8678 - Dominguez - Gas Cooling Tower and Surge Tank Acid-proof Brickwork

Extra - Line Two Pcs. of 4 ft. dia. Pipe

8770 - Vernon - Install Acid Brick Lining in One 12' dia. by 7'-0" High Steel Tank
(A) - Install Outlet Sleeves

8794 - Vernon - Repair Firebox at Fertilizer Pelletizing Plant

(contd.(

STAUFFER CHEMICAL COMPANY (contd.)

8867 - [illegible]
Dominguez - Install Burners in #1 Sludge Furnace
(A) - Install Refrac. Lining in Curtain Wall for 14x44 ft. Combustion Chamber Dutch Oven
(B) - Alterations to H_2S Burner Assemblies on Dutch Oven of 14x40 ft. Combustion Chamber
(C) - Install Two (2) H_2S Burners on 14x40 ft. Combustion Chamber
(D) - Install Expansion Joint Packing at Connection of 4 ft. dia. Flue Gas Duct
(E) - Install Brickwork and Insulation Packing around 4 ft. dia. Sleeve at Entrance to Quench Tower

8987 - Dominguez O Furnish Labor and Material to Install Acid Brick in No. Manhole in Sewer
(A) - Repair Burners on #1 Sludge Pot

9001 - Vernon - Remove and Replace Fire Brick Plug at Access Door at Base of #1 Waste-Heat Boiler in Sulfuric-Acid Plant

9055 - Dominguez - Repair #5 Caustic Box
(A) - Plant No. 1, Quench Tower Repairs
(B) - Repairs to No. 2 Waste Heat Boiler

9092 - Dominguez - No. 2 Plant Repairs
Primary Quench Chamber; Connecting Flue between Primary Quench and Cooling Tower; Renew Floor Supporting Piers and Grillwork in Drying Tower

9099 - Dominguez - Repairs to #5 Caustic Pot

9121 - Dominguez - Install Cut B&W-80 Brick in Front of Seven (7) Burners in #1 Sludge Furnace
(A) - Repair Brickwork of Dilute Boot
(B) - Cut Sewer Pipe
(C) - Line Two (2) Sewer Manholes

9133 - See Leonard Construction Company
Dominguez - Labor Only to Install Acid-Proof Brick and Refractories in 330-ton Contact Sulfuric Acid Plant
(A) - Revision to #1 Boiler
(B) - Labor & Material to Install $1\frac{1}{4}$" Split Brick in Top of Absorption Drying Towers

(contd.)

STAUFFER CHEMICAL COMPANY (CONTD.)

9213 - Dominguez - Repairs to #3 Caustic Pot
(A) - Repairs to Hot Gas Flue in Plant #1
(B) - Repairs to #H2S Furnace in #1 Plant

9416 - Dominguez - Repairs to #1 Caustic Box
(A) - Repairs to #5 Caustic Pot
(B) - Repairs to #4 Caustic Pot

9616 - Dominguez - Rebuild Firebox for Flare

9695 - Dominguez - Labor and Material to Line Cross in Hot Gas Duct
(A) - Repairs to H2S Combustion Chamber

9746 - Dominguez - Repairs to #5 Caustic Pot

9807 - Dominguez - Repairs to HCL Reactor
(A) - Repairs to Aluminum Chloride Reactor

9881 - Dominguez - Install Acid Brick Lining in #1 Tower Pump Pit
(A) - Install Acid Brick Lining in Stack Precipitator Pump Pit
(B) - Install Acid Brick Lining in Pump Pit at Tanks #219 and #220
(C) - Repairs to Absorbing Tower at Plant #2

9899 - Vernon - Air Heater Furnace Repairs Fertilizer Mixer Plant

9963 - Dominguez - Repairs to #2 Caustic Pot

1045 - Vernon - Repairs to Sulphur Burner in Acid Plant

1047 - Dominguez - Rebricking Caustic Pot Furnace

1107 - Dominguez - Repairs to #4 Caustic Pot

1136 - Dominguez - Repairs to #2 Quench Tower

1155 - Dominguez - Repairs to #1 Caustic Pot

1225 - Vernon - Acid Brick Lining for Alum Cooker Tank.

1238 - Dominguez - Necessary repairs to Dry Power Separator Pans Plant #1

1241 - Dominguez - Necessary repairs to Humidifier Pump Pit Plant #1

1253 - Dominguez - Repairs to Furnace Flue Plant #1

1285 - See Ralph M Parsons -Delaware - Design & materials for One Waste Gas Incinerator

STAUFFER CHEMICAL COMPANY (Continued)

1419 - Dominguez - Necessary repairs to #5 Caustic Pot

1543 - Dominguez - Renew insulating Brick interlining in primary Quench Chamber Plant #2

1627 - Dominguez - Labor only to install Acid Proof Lining and packing for 42" x 30' High Stripping Tower
(A)- Remove lining & re-install to inspect rubber

1679 - Dominguez - Install Epoxey Cement in Pump Pit

2052 - See L. W. Lefort Company, Inc
Dominguez - Labor and material to Construct Acid Linings in Four (4) Lead Lined Steel Tanks

2111 - Dominguez - Labor only to install acid brick in Manhole

2118 - Dominguez - Plant #2 - Renew Burner End of Combustion Chamber with Dished Head and
(A)- Renew Brickwork in Stack Precipitator

2180 - Dominguez - Necessary repairs to #3 Caustic Pot

2185 - Henderson, Nevada
Labor & material to install Acid Proof Linings in Vessels S-24 and R-23

2186 - Vernon - Repairs to CO Burner

2223 - Dominguez - Necessary repairs to #1 Caustic Pot

2306 - Dominguez - Necessary repairs to #2 Caustic Pot.

2365 - Dominguez - Labor & Material to Remodel One Burner Unit of Dutch Oven #1 Plant Sludge Furnace

STAUFFER CHEMICAL COMPANY (Continued)

2367 - Dominguez - Repairs to Hot Air Flues #1 Plant Sludge Furnace

2420 - Dominguez - Repairs to #5 Caustic Pots

2472 - Dominguez - Repairs to Pilot Incinerator

2503 - Henderson, Nevada
Linings for Five (5) Chlorine Towers
(A) - Lining for One (1) Vessel R-23
(B) - Install Packing Support & Tower Packing in Caustic Scrubber

2511 - Dominguez - Necessary repairs to Aluminum Chloride Reactor
(A) - Rebrick Manhole

2552 - Dominguez - Alterations to Sludge Furnace Combustion Chamber for new Hydrogen Burner - Plant #2
(A) - Remove & replace acid brickwork at Acid Outlet Sleeve in Bottom of Absorbing Tower Plant #2

2581 - See Montrose Chemical Corp
Henderson, Nevada
Install acid proof materials in One (1) Azeo Column

27
2644 - Dominguez - Repairs to C11A and C11B Drying Towers

2663 - Dominguez - Necessary repairs to Plant #1 Flue

(Continued next page)

2675 - Dominguez - Necessary repairs to #3 Caustic Pot

2678 - Dominguez - Repairs to #2 Caustic Pot

2694½ - Dominguez - Repairs to #5 Caustic Pot

2706 - Dominguez - Repairs to Furnace to the #2 Quenching Tower

2773 - Dominguez - Necessary repairs to #2 Caustic Pot

2839 - Henderson, Nevada
(work to be done at our Wilmington Warehouse)
Lining for H.C.L. Column Imidan Plant

2925 - Dominguez - Install acidproof Lining to Muriatic Shipping Pump

3046 - Dominguez
Alterations to front wall of Foster Wheeler Boiler to suit new Hydrogen Burner

3079 - Dominguez
Install Brick Lining in Acid Pump Base

3143 Dominguez
Repairs to Absorbing Tower Pump Tank.

3145 Dominguez
Necessary repairs to Quench Chamber.

3172 Vernon
Repair Sulfur Burner.

3173 Dominguez
Necessary repairs to Plant #2 Preheater.

3199 Dominguez
Necessary Repairs to #4 Caustic Pot.

STAUFFER CHEMICAL COMPANY [Cont'd]

3225 Dominguez
Necessary repairs to #3 Caustic pot

3249 Dominguez
Repairs to #2 Caustic Pot

3293 Long Beach
Drill sample holes in four stacks

(A) Repairs in auxillary burners F701 + F702

3302 Dominguez
Plant #1 - Repairs 1964

Quench Tower -
Stauffer dwg. #2, file 5141, issue 4

(A) 4' dia. flue from dust chamber to quench tower

(B) cooling tower surge tank Stauffer dwg #4, file 5141, issue 4

3382 Dominguez
Repairs to @2 caustic pot

3411 Dominguez
Reprs to #4 caustic pot

3414 Henderson, Nevada
Install acidproof lining in 2 liquefaction #2 chlorine drying columns

3452 Dominguez
Repair Plant primary quench chamber
Plant #2

3498 Dominguez
Install acid brick lining in hypochlorite scrubber

3506 Dominguez
Repairs to #2 Caustic Pot

STAUFFER CHEMICAL COMPANY

3531 West End, California
Engineering water-cooled roof support beams, #3 Borax melting furnace

3584 Henderson, Nevada
Rebrick Vessell #R23

3589 Dominguez
Repairs to #2 caustic pot

3609 Vernon
Necessary repairs to sulfur burners

3625 Dominguez
Repairs to #5 Caustic Pot

3682 Henderson Nevada
Rebrick R-23 vessel at Grano Steel, Los Angeles

3685 Dominguez
Repairs to #4 caustic pot

3710 Long Beach
Repairs to HI Boiler

3758 Long Beach
Assembly of gas flue between boiler and incinerator

3927 Dominguez
Repair Plant #1 sludge furnace

3969 West End, California
Furnish and install new roof support beams and install new Detrick arch, #3 borax melting furnace

STAUFFER CHEMICAL COMPANY (Cont'd)

4081 Vernon
Repairs to boiler #1

4097 Dominguez
Repairs to #4 caustic pot

4117 Dominguez
Install 1-1/4" acid brick splits on pump base.

4136 Long Beach
Repairs to boiler H901B

4160 South Gate
Reline #3 Kiln

4175 Long Beach
Necessary repairs to F703 incinerator

4192 Dominguez (Plant #2)
Repairs to primary quench chamber
A) Repairs to entrance of quench tower
B) Repairs to secondary quench tower
C) Repair drying tower pump tank

4216 Long Beach
Seal off inlet to #600 incinerator waste heat boiler

4313 Long Beach
Repair H-601 boiler and F-603 incinerator

4332 South Gate
Furnish and install materials to tear out and renew portions of sulphur burner refractory lining

STAUFFER CHEMICAL COMPANY (Continued)

4348 Dominguez
Repair #1 absorbing tower plant #1

4438 Long Beach
Repairs to #700 incinerator

4493 Dominguez
Furnish and install acid brick lining for C11A drying tower and T13 pump foundation

4520 Long Beach
Repair E3 incinerator

4543 Westend, Calif.
Supply material for trefoil section of 8'0" dia rotary lime kiln

4596 Dominguez
Labor to install acidbrick splits on T13 pump foundation

4650 Long Beach
Repair stack #300

4683 Vernon
Repair absorbing tower

4686 Dominguez
Repair caustic pots 1, 2, 3, 4 and 5

4707 Long Beach
Repairs to boiler #H601-A

STAUFFER CHEMICAL COMPANY

4717	Dominguez Repairs to #3 caustic pot
4726	South Gate Construct carbon block #1 acid tower
(A)	Install firebrick lining in tower
4805	Dominguez Repair #5 caustic pot
4949	Dominguez repair combustion chamber and dutch oven #1 plant
(A)	cancelled
(B)	labor and material to line cooling tower
4969	Dominguez Repair #1 caustic pot
5010	Dominguz Repair secondary quench-plant no 2
5036	Dominguez Furnish material
5045	Thompson Tank Mfg Co Los Angeles Henderson, Nevada Install acid proof lining in vessel
5049	Long Beach Repair F603 Incinerator
5060	Westend Rebrick #2 anhydrous Borax Furnace
5085	Long Beach Repairs to Heater H.701

5117	Long Beach Repair F757 foul gas burner	(4/68)
5152	Dominguez Labor to line pump base with acid brick on tank 15A	(5/68)
5174	Westend, California Furnish "Acme" brick and Detrick tile	(5/68)
5203	Dominguez Labor to install brick work on pump base and drainage ditch for diluter cooler system	(6/68)
5216	Vernon Repairs to sulfur burner and quench tower	(6/68)
5423	Vernon Repairs to cooker.	
5432	Richmond, Calif. Brickwork design-Acid sludge burner.	
5446	West End, Calif. Repair #1 anhydrous Furnace.	
5469	Dominquez Necessary Repairs To #2 Caustic Pot	12/68 W.O.
5497	Westend Reline Hot Zone of Rotary Lime Kiln	12/68 HWB

STAUFFER CHEMICAL COMPANY (cont'd)

5521	OWL CONSTRUCTORS (Compton) Henderson, Nevada Install acid materials in Thiol Expansion 'A' - Acidbrick lining in Manhole 'B' - Pennsalt Flex joint in expansion joints of concrete 'C' - Install #360 pump base topping at north and east walls of south blast structure. 'D' - Premium time 'E' - Labor for delays in work due to dangerous fumes and fire hazard		1/69
5537	South Gate	#2 Rotary Kiln	1/69
5558	South Gate	#1 Acid Burner	1/69
5567	Dominguez	#4 Castic Pot	2/69
5573	Dominguez	Quench Tower, Plant 2	2/69
5624	Dominguez	H_2S Heater	3/69
5681	Dominguez	#3 Caustic Pot	4/69
5687	Dominguez	Install castable refractory at outlet chamber of reactor.	4/69
5705	Vernon	Sulfur burner repair	5/69
5714	Vernon	Acid brick repairs to absorbing tower	5/69
5767	Westend	Construct Calciner Furnace #2 A - Install brick lining to furnace 6'x15' for Bicarbonate Dryer	6/69
5814	Long Beach	Repair Boiler H-1	7/69
5849	Long Beach	Repair #600 Unit	8/69
5913	Dominguez	#3 Caustic Pot	10/69

STAUFFER CHEMICAL COMPANY (cont'd)

5924	South Gate	#1 Acid Burner	10/69
5983	Dominguez	#4 Caustic Pot	11/69
6034	South Gate	Rebrick #1 Kiln	12/69
6059	Dominguez	Tear out and replace acid brick lining Quench Tower, plant #1	12/69
6077	South Gate	Line acid burner #2 plant	1/70
6095	Vernon	Repair aluminum cooker	1/70
6103	Dominguez	Repair pump base under Quench Tower	1/70
6146	Long Beach	H750 Boiler	3/70
6242	Dominguez	Repair sulphur burner	5/70
6249	Long Beach	Repair F 303 Incinerator	5/70
6252	Salt Lake City	Leefe, Wyoming Design and supply hot air furnace	
6268	Dominguez	Brick material for brick lining for Brink mist elimination tank	
A		Installation of above materials	
6277	Henderson, Nev	Matl only for combustion engineering boiler type 27VP-14WR	
A		Repair package boiler	
6290	Vernon	Repair sulphur burner	
6334	South Gate	Repair # 3 kiln	

STAUFFER CHEMICAL COMPANY continued

6401	Dominguez	Repair manhole	9/70
6413	Westend	Repair #1 Calciner Furnace	9/70
6416	Long Beach	Repair H601 and H602 fulfur burners	9/70
6459	Westend	Repair Trefoil in lime kiln	10/70
6480	Westend	Design and furnish fuse cast lining for outlet on fusing furnace	11/70
6566	Long Beach	Repair H901-B Boiler	1/71
6572	Long Beach	Repair Boiler H-300	2/71
6575	Long Beach	Repair Incinerator	2/71
6651	Dominguez	Necessary Repairs to Union Iron Works Package Boiler	3/71
6722			4/71
"A" "B"		Repair Pump Base P30A Extra Labor to lay floor dry, then pick up and lay in mortar	5/71
		H_2SO_4 Make Tank T30A	6/71
6754	Dominguez	Acid Brickwork on Pump Bases	6/71
"A"		Acid Brickwork on Pump Base	

6828	Dominguez Repair #2 Caustic Pot	8/71
6832	Dominguez Repairs to #4 Caustic Pot	8/71
6840	Dominguez Repair F3 Incinerator	8/71
6858	Dominguez Acid Brick Lining in Concrete Sumps	8/71
6894	Long Beach Repair Boiler H-601	9/71
6897	Carson Acid Brick Repairs to Pump Bases P104, P107, P120, P103 A+B, P102 A+B and P34A	9/71
"A"	Line Box using Epoxy	
6921	Dominguez Repair primary quench chamber, Plant 2	10/71
"A"	Brick line quench tower pump base	10/71
6965	Dominguez Install acid brick in sewer sump	11/71
"A"	Install 1¼" Duro splits in double pump base	11/71
6990	Dominguez Necessary repairs to #1 absorbing Tower Plant #1	12/71
7038	Long Beach Repair Boiler H-901-B	1/72

7082	Westend, California Repair Detrick Roof on #3 Borax Melting Furnace	2/72
7090	Dominguez Sludge Furnace, Plant #1	
"A"	Rebrick Sludge Furnace Dust Chamber Outlet	
"B"	Clean Out Hot Gas Flue and Make Repairs to Quench T[illegible]	2/72
7122	Dominguez Acid Brick lining Mist eliminator and Stripper 3/17 nd	3/72
A-	Cut support plate X6/12	
B-	Line pumpbase with splits 6/30	
	[illegible] Unit Incinerator	3/72
7139	Dominguez Repairs to Tank #28A	4/72
7166	Long Beach Repair Burner Throats in Large and Small Boilers	4/72
7183	Long Beach Repair Large and Small Boilers	5/72
7188	Dominguez Repair Sulfur Burner in #3 Plant	5/72
7213	Dominguez Repair Dutch Oven on Sludge Furnace in #2 Plant	
7250	Stauffer Chem Dominguez Repair #2 Sludge Furnace	

STAUFFER CHEMICAL COMPANY (continued)

7313 Long Beach
Repairs to #1 boiler 8/9/72

7327 Long Beach
Necessary repairs d to boiler 8/23/72

7342 Dominquez
Install Acid brick lining to Manhole 9/6/72

7348 Long Beach
Repairs to boiler #H-750 9/11/72

7367 Dominguez
Necessary repairs to Dutch oven on #1 sludge furnace. 10/72

7392 Dominguez
Install acid brick lining on sewage manholes #7and #8. 10/72
A- Repair pump base. 10/72

7396 Long Beach
Necessary repairs to #H750 Furnace. 10/72

7408 Long Beach
Repair # H601 and H602 units. 11/72

7432 Dominguez
Lurgi Knost Inc.
Supply and install acdbrick linings in vessels 11/72

7464 Dominguez
Repair sulphur burner #3 plant. 12/72

STAUFFER CHEMICAL COMPANY (Continued)

7473	Dominguez Repair #1 Caustic Pot.	12/72
7474	Dominguez Repairs to #5 Caustic Pot.	12/72
7533	Dominguez Repairs to #3 Caustic Pot.	1/73
7542	Long Beach Repair H31 Boiler	2/73
7566	Dominguez Repair Manhole	2/73
7573	Dominguez Repairs to #5 Caustic Pot	2/73
7574	Long Beach Repair Boiler	3/73
7662	Rust Engineering Dominguez Necessary repairs to 4 air heaters	4/73
7726	Dominguez Supply and install refractory materials for modification of converters in plants 1 and 2	6/73
A	Extra work on Plant #1 converter	10/73
7743	Dominguez Repairs to caustic pot #2. Remove floor and repair burner tunnel.	6/73

STAUFFER CHEMICAL COMPANY (Continued)

7743	Dominguez Repairs to caustic pot #2. Remove floor and repair burner tunnel	6/73
7748	Dominguez Furnish labor and matl. for major reline of plant #2 studge furnace.	7/73
A	Repairs to primary quench chamber	11/73
B	Repairs to quench tower C-Drill holes in brick	
7755	Dominguez Necessary repairs to the sulfur recovery unit boiler	7/73
7838	Dominguez Install acid brick linings in sewer manhole, sewer catch basin and pump.	8/73
7872	Carson Brick line a mitered ell	9/73
7874	Dominguez Refractory repairs Plant #1 Sludze furnace	9/73
"A"	Flue gas line	
"B"	Quench Tower	
7946	Dominguez Line seven (7) supm holes with Belden Shale brick and HB Morton	
7954	Dominguez Acid brick lining brink mist eliminator Plant #3	11/13
A	Repairs due to rain damage	3/74
7991	West end Repairs to 8' diarotary kiln	12/6

STAUFFER CHEMICAL

8085	Dominguez Repairs to one manhole and five boxes at Plant #1	2/74
8152	Westend Repairs to #5 calciner	3/74
8192	Dominguez Nec. repairs to the caustic pot #5	4/74
8232	Dominguez Refractory repairs to #3 caustic pot	4/74
8361	Repair caustic pot	7/74
8385	Install acid brick on two pump bases	7/74
8386	Henderson, Nev Labor to line one vacuum stripper	7/74 RCN
8392	Line neutralization tank	8/74
8417	Henderson, Nev Repairs to waste gas incinerator	8/74 RCN
8431	Westend Repair walls #2 calcining furnace	8/74 HWB
8538	Dominguez Repairs to #2 Caustic Pot	10/74

STAUFFER CHEMICAL COMPANY

8597	Dominguez Nec repairs to manhole	12/74
8626	Dominguez Repairs to Combustion Burner #2 Plant	12/74
8669	Dominguez Install linings on pump base.	1/75
8659	Oxnard Repairs to Kelp Burner	1/75
"A"	Repair Brickwork that had fallen off.	3/75
8760	Dominguez-Acid Brick Lining to Pit	4/75
8789	Dominguez-Repairs to Foster Wheeler Boiler.	5/75
8824	Dominguez Nec Repairs to Hot Gas Flue Ducts	5/75
8829	Oxnard Nec Repairs to Air Dryer	5/75
8835	Dominguez Install brick air detector in burner throat of sulfur burner	5/75

STAUFFER CHEMICAL COMPANY

8854	Dominguez-Repairs to #2 Converter	6/75
8855	Dominguez-Plant #1 Install 2 Insulating Brick Doors.	6/75
8865	Dominguez-Nec Repairs to Boiler	6/75
8952	Dominguez-Modifications to Plant 2 Drying Tower	8/75
8966	Dominguez-Refractory Lined Duct Work Waste Heat Boiler Installation Plant 1 & 2.	9/75
A"	Backcharge Interpace cutting anchor brick	5/76
B"	Remove, replace castable at super heater tubes in #1 wh heater	
8997	Henderson, Nev.	10/75
	Point up Joints on Vessel S-24	
"A"	Repairs to Waste Gas Incinerator	
9005	Dominguez	10/75
	Repairs to Plant #2 Drying Tower Pump Tank	
"A"	Repairs to Plant 2 Sludge Furnace	
9015	Henderson, Nev.	10/75
	Install Acid Proof Lining in 2 Sewer Manholes	
9033	Cold Creek, Alabama	11/75
	Install Acid Brick Lining in Vessels	
9103	Oxnard-Repair Dryer Firebox	1/76
9115	Dominguez-Hot Patch Repair #1 Furn	1/76
9125	Dominguez-Install Brick in a Sump Drain	1/76
9156	DRAVO CORP/Chemical Plant Div of Stauffer Chem' - Henderson, Nev	2/76
	Furnish & Install Acidbrick Lining in Chlorine Plant Expansion.	

STAUFFER CHEMICAL CO

9166	Henderson, Nev. - Furnish & Install Acidbrick Lining in New Vessel S-24.	2/76
9185	Sechrist & Kelly Constr Co-Dominguez Furnish & Install Acidbrick Lining on Deionizer Foundation.	3/76
"A"	Add Additional Piers	4/76
9225	Dominguez - Repairs to the Bigelow Tube Return Boiler	4/76
9234	Dominguez - Repairs to Tank 31 Pump Base Tank #200 Pump Base	4/76
9266	Dominguez - Install Brick in One Sump & One Pump Base.	5/76
9280	Dominguez - Refr Repairs to Plant #1 Combustion Chamber	5/76
"A"	Repairs to Quench Towers	
9281	Dominguez - Packing Support Replacement in #3 & #4 Absorbint Towers & H101 & H102 Towers in Plant #1.	5/76
"A"	Packing Support Replacement in Towers H201, Plant 2.	
9288	Oxnard - Nec Repairs to the Kelp Dryer	6/76
9354	South Gate - Repairs to Furnace Tower	7/76
9356	Dominguez-Repairs to Sulfur Recovery Unit.	7/76
9364	Dominguez-Refractory Repairs to Plant 2 Combustion Chamber	7/76
"A"	Repairs to Quench Tower.	

STAUFFER CHEMICAL CO

9375	Dominguez - Repairs Aleum Boiler	7/76
9411	Henderson, Nevada-Refractory Repairs to Waste Gas Incinerator.	8/76
9525	Dominguez - Acid Brick Repairs to Manhole	11/76
"A"	Remove & Replace Bottom of Tank at the Drain Hole.	2/77
9692	Oxnard - Boiler Repair	3/77
9699	Dominguez - Repairs to Plant #3 Sulfur Burner	3/77
"A"	Furnish Steel & Refractory for new Start-Up Burner.	
9737	Dominguez - Repairs to Plant #1 Sludge Furnace	4/77
"A"	Modification to Dutch Oven Wall for New Best Burner	
"B"	Clean Out of Waste Heat Boiler	
"C"	Clean out & Repairs to Quench Tower	
9747	Oxnard - Repair Kelp Dryer	4/77
9845	Dominguez - Install Brick in Manhole	6/77
9881	Henderson, Nevada - Install Test Brick & Test Mortars in Vessel S-24	7/77
"A"	Repairs to Waste Gas Incinerator	
9898	Oxnard-Repair the Marine Boiler	7/77
10037	Oxnard - Repair Dryer	10/77

STAUFFER CHEMICAL

10181	Dominguez - Cleanout & Repairs to Plant #2 Sludge Furnace.	1/78
"A"	Cleanout of Dust Chamber & Boiler Hopper.	
"B"	Repairs to Quench Towers & Demolition of Pump Tower.	
"C"	Modification to Top of Absorbing Tower	
"D"	Burner Conversion on Sludge Furnace.	
10229	Southgate - Repairs to Burning Tower Crossover.	2/78
10248	Oxnard - Repair Choke Ring on Kelp Dryer	3/78
10285	South Gate - Repair #1 Acid Burner	3/78
10296	Wilm - Nec Repairs to Plant #1 Sludge Furnace	4/78
10327	Long Beach - Tearout & Reline Combustion Furnace and Elbow	4/78
"A"	Supply Extra Material	
10486	South Gate - Nec Repairs to Stack	8/78
10510	Dominguez - Nec Repairs to Converter	8/78
10518	Dominguez - Repairs to #2 Sludge Furnace	9/78
"A"	Repairs to Absorbing Tower	
10567	Oxnard - Nec Repairs to Kelp Dryer	10/78
10575	Dominguez - Repairs West End Boiler #1 Plnt	10/78
10621	Oxnard - Repairs to Kelp Dryer	11/78
10622	Dominguez - Repair Firing Tunnel of SRU	11/78
10634	Dominguez - Install Lining on Pump Base	11/78
10714	So. Gate - Repairs to #2 Acid Burner	12/78

STAUFFER CHEMICAL (Cont'd)

10722	Dominguez- Repair # 1 sludge furnace dust chamber	1/79
10775	Carson - Nec. Repairs to text chamber of #1 sludge furnace	2/79
10781	Dominguez- Install Acid proof brick on pump base	2/79
10884	South Gate - Repairs to #1 phosphoric plant, repair combustion chambers & crossover	4/79
10901	South Gate - Prepare corrosion coating test panels for H_3, PO_4, collector	4/79
10932	Dominguez - Repairs to Plant #1	5/79
11003	Oxnard Install refractory alarm in rotary dryer	6/79
11133	Dominguez - Nec. repairs to boiler sulfur recovery plant	8/79
11137	Oxnard - Repair dam in rotar kiln	8/79
11205	Oxnard Repairs to kiln dryer	10/79 CO
11216	Long Beach Repairs to HCL abscrber	10/79
11224	Dominguez Brick manway in dust chamber of #2 plant	10/79

STAUFFER CHEMICAL

11273	Dominguez Repairs to #2 sludge furnace	11/79
11343	Long Beach Nec. repairs to expansion joint on #1 sludge plant	1/80
11354	Long Beach Repairs to selas R1501 furnace	1/80
11425	Dominguez Repairs to preheater Plant #2	2/80
11480	Long Beach Repairs to R1501 selas heater	3/80
11481	Oxnard Repairs to kelp dryer	3/80
11523	Long Beach Install acid brick lining in scrubber tower C1528R	4/80 RCN
11554	Dominguez Repairs to distribution inlet absorption tower plant #3	5/80

STAUFFER CHEMICAL

11742	Oxnard Repairsto coke ring on dryer	8/80
11747	Dominguez Line acid pump	8/80
11773	Dominguez Repairs to two preheaters	9/80
11848	Dominguez Repairs to precipitator plant #1	10/80
12009	Dominguez Rebuild two preheaters in plant #1	2/81
12031	Dominguez Line acid sump	2/81
12041	Dominguez Clean waste heat boiler plant #1	2/81
1 12 094	Dominguez Repairs to alum cooker	4/81
12102	Dominguez Line new pump base and sump tank #215	4/81

STAUFFER CHEMICAL

12173	Dominguez Clena waste heat boiler	5/81
12219	Oxnard Repair combustion chamber of kelp dryer	6/81
12288	Dominguez Install acid brick lining in one trench and sump	8/81
12321	Dominguez, CA Repair to collector sump	8/81
12355	Dominguez Drill hole combustion chamber Plant #2	9/81
12367	Dominguez, CA Repairs to sulfur burner and pump tank Plant #3	9/81
12442	Dominguez Repais to drain and alum tank	11/81
12491	Dominquez Line sump in Northeast of tank #200	12/81
12547	Dominguez, CA Repairs to plant #1	2/82

12627	Dominguez, CA Line sewer collection sump	4/82
12693	Dominguez, CA Extension on sewer collection sump	6/82
12716	Dominguez, CA Plant #1 shutdown	6/82
12743	Dominguez, CA Repairs to boiler	7/82
12909	Dominguez, CA Install access doors plant 2	
12934	Dominguez, CA Install burner port in plant 2 sulfur burner	1/83
~~12934~~		
12942	Dominguez, CA Install lining in new plant #1 hot heat exchanger	2/83
12967	Dominguez, CA Repair Plant #1	3/83

STAUFFER CHEMICAL

13012	Dominguez, CA Install Hes mortar in line	4/83
13085	Wilmington, CA Repair north hopper plant 2 waste heat boiler	6/83
13089	Dominguez, CA Repair plant #1 dutch oven	6/83
13132	Dominguez, CA Repairs to Plant #2	8/83
13175	Dominguez, CA Repairs to drying tower plant #1	9/83
13215	Wilmington, CA Repair detrick oven	10/83
13311	Domingez, CA Repairs to Plant #2	1/11
A	Clean out and repair boiler	1/31
B	Repair pump tank	1/31
13374	Dominguez, CA Hot patch repair acid tank	2/28
13494	**Dominguez, CA** **Repair Leak in absorbs Tower Plank #3**	**5/84**

STAUFFER CHEMICAL

13629 Dominguez Plant 9-84
Repairs to Plant #1 Dutch Oven
Combustion Chamber and Duct Cleaning

A- Dutch oven combustion chamber and duct refractory removal and replacement

B- Boiler and duct cleaning

C- Boiler refractory removal and replacement

D- Install new drum disposal opening in combustion chamber

13714 Carson Ca 11-84
Install new Acid Pad - Plant #1

13767 Long Beach Ca 12-84
Repairs to Plant #1 Drying Tower

13823 Long Beach (Dominguez Plant) 2/85
Repair Burner Plant #1

13986 Dominguez Long Beach
Plant #2 furnace repair and
duct expansion Joint 6-85

A- Repair to plant #1 waste heat boiler

14031 Carson
Pump Acid Mortar in plant
drying tower 8-85

STAUFFER CHEMICAL

14091	Long Beach Domingues Plant Clean Plant #1	10-2-85
14237	Long Beach Plant #1 white venturi tower	2-10-86
14247	Dominguez Repairs to tank	2-21-86
14296	Dominguez Repair plant #4	4-16-86
14315	Dominguez Repair white acid tower	5-2-86
14337	Dominguez Repairs to #1 drying tower	5-28-86
14410	Dominguez Repairs to Plant #1	8-11-86
14444	Carson Repairs to #2 Furnace	9-16-86
14494	Carson Remove and replace three truck loading stations concrete pads and install new concrete in Belden double acid brick paving	11/86
14508	Long Beach The west sludge loading pad acid brick paving	11/86
14509	Long Beach The east sludge loading pad acid brick paving	11/86

STAUFFER CHEMICAL

14543	Dominguez Repair alum tank nozzle	12/86
14567	Long Beach Oleum pads	1/87
14630	Dominguez Supply and install refractory lining in sulfate incinerator ducts and waste heat boiler	2/87
14659	Long Beach Brick up manways on vestibule to boiler plant #2	3/87
14717	Dominguez Repairs to Plant #1	5/87
14721	Dominguez Repair Plant #1 Dutch oven roof	5/87
14728	Dominguez/Carson Reline two preheaters	6/87
14747	Dominguez Repairs to Plant #1 drying tower inlet	6/87
14810	Dominguez, CA Repairs to Black and White Acid Pump Tank Plant #1	8-18-87
14824	Dominguez, CA Repairs to Black Acid Plant #1 A - Repairs to outlet #1 Quinch Tower	9-9-87
14830	Dominguez, CA Repair #3 Sewer Man Holes	9-16-87
14918	Dominguez, CA Plant #2 Shutdown	11-24-87
14919	Dominguez, CA Lurgi Hexbrick (F-202)	11-24-87

STAUFFER CHEMICAL

14936	Carson, CA Sulfur Gun Nozzle Modifications	12-10-87
15042	Carson, CA Repair plant #1 Quench Tower Outlet	4-7-88
15043	South Gate, CA Repair 916 Forge Furnace and RB Forge Furnace	4-7-88
15074	Dominguez, CA Repair valve seal on Quench Tower A - Minor Repairs to Boiler Unit	5-18-88
15170	Wilmington/Dominguez, CA Line #2 Preheat Units	8-17-88
15174	Long Beach, CA Repair Alum Cooker	8-23-88

STAUFFER CHEMICAL-WESTEND

SEE KERR-McGEE-WESTEND PLANT 12/74

STAUFFER CHEMICAL CO. OF UTAH

7756 - Garfield, Utah - To Install Refractory Construction for Two (2) 8'-0"x60'-0" Ammo-Phosphate Dryer Furnaces

7774 - Garfield-Utah - Phosphate Plant - To Install Acid-Proof Brick Lining for One (1) 41"x10'-0" Pug Mill; and
One (1) 6'-9$\frac{1}{4}$"x16'-6" Scrubbing Tower
(A) - Acid Lining in Two "A" Mixers

7811 - See Combustion Engineering Inc.
Western Phosphates Co., Inc. - Garfield, Utah
Enclosure for One (1) Steel-encased CE-S
Inc. Type 7.5 (VU-10) 16 B Boiler

STEARNS-ROGERS MANUFACTURING CO.

3629 - U. S. Vanadium Company - Bishop, Calif.
Brickwork Repairs to type "H" Boiler

6261 - See C. F. Braun & Co. Johnsue
Humble Oil & Refining Company - Katy, Texas
Three (3) 15 x 15 x 40 Fired Heaters (Mat. Only)

6607 - See C. F. Braun & Co.
Stanolind Oil & Gas Co. - Odessa, Texas
12 x 15 x 30 Fired Heater--Material only

8472 - Utah Construction Company
San Manuel Copper Corporation - San Manuel, Arizona - Install Insulation on Balloon flue
~~(A)~~ -(Fireproof Underside of Smelter Floor Area and
(Holding Furnace Area
(B) -(Insulate Slag and Matte Track Roofs
(A) - Install Insulation on Sulphur Tank Tops

8723 - Union Oil Company of California
Grand Valley, Colorado - Shale Oil Plant
Design and Construct One (1) Waste Gas Incinerator

3328 MAGMA COPPER CO
San Manuel, Arizona
Supply Coen burners

3612 So. Calif. Edison
Redondo Beach
Necessary repairs to #14 Boiler
(A) Necessary repairs to #11 Boiler

4697 SOUTHERN CALIFORNIA EDISON CO
Denver, Colorado
San Bernardino Steam Station
Replace reheat tube baffle wall, boiler #1

6999	Denver Design one air preheater	12/71
7460	Morenci, Arizona Phelps Dodge Refractory installation.	12/72
8205	Phelps Dodge Ajo, Arizona Acid brick doubles lining for two humidifying towers Repair acid brick lining in 2 humid. towers.	4/74 RCN
8333	Phelps Dodge Morenci, AZ Spare Parts	6/74 CRT

STEEL CASTING COMPANY
Formerly
LOS ANGELES STEEL CASTING CO.

4678 - Los Angeles 11 - Repairs to Annealing Furnaces

5030 - Los Angeles 11 - Repair Car Type Annealing Oven #2

5230 - Los Angeles 11 - Install Burner Throats in Annealing Furnace

5835 - Los Angeles 11 - Repairs to Annealing Furnace

5856 - Los Angeles 11 - Repairs to Draw Furnace
(A) - Insulate Doors and Arches of Five (5) Ovens

6011 - Vernon - Warman Plant - Roof Insulation on Core Ovens and Miscellaneous Brickwork

6140 - Vernon - Warman Plant - To Construct Two (2) Car Type Annealing Furnaces

6410 - Vernon - Repairs to 6 ft. x 10 ft. Car Type Annealing Furnace

6921 - Vernon - To Repair Brickwork on Arch and Door Jambs of 6'-0" x 10'-0" Car-Type Annealing Furnace

7002 - Los Angeles 58 - To Build a Car-Type Circulating Draw Oven

7309 - Vernon - To Rebrick 6' x 8' Car Bottom Furnace
(A) - To Repair Car Top

7574 - Vernon - Brickwork Repairs to 14'-0"x17'-9" Knapp Car-Type Furnace

1952

7754 - Vernon - California - To Repair Mold Oven

1953

7825 - Vernon - To Repair Two (2) Core Ovens Damaged in Explosion

1952

7630 - Los Angeles Steel Casting Co. - Vernon
To Repair 6 x 10 ft. Car Type Annealing Furnace

8241 - Vernon - Repair Arch on Knapp Annealing Furnace

8274 - Los Angeles 58 - Install a New Detrick Refractory Hanger Arch in Large Knapp Annealing Furnace
(A) - Rprs to Car Top and Burners

(contd.)

STEEL CASTING COMPANY
Formerly
(LOS ANGELES STEEL CASTING COMPANY (contd.)

8291 - Vernon - Rpr Door Jambs & Door Lining in Draw Furnace; Rpr Door Jambs and Door Arch in Gas Company Furnace

8508 - Vernon - Repair Rear Wall of Knapp Annealing Furnace Damaged by Explosion

9287 - Los Angeles - Repair #1 Annealing Oven and #5 Draw Oven

9317 - Vernon - Repair Annealing Furnace Roof
(A) - Repair Door and Door Jamb of 6 x 10 ft. Annealing Furnace

9405 - Los Angeles - Repair Curtain Wall in Car Bottom Annealing Furnace

9482 - Los Angeles - Labor and Materials to Repair #3 and #5 Furnaces

9648 - Vernon - Tear Out and Rebrick Draw Furnace

2451 - Vernon - Repair Rear Wall #5 Recirculating Draw Furnace

3004 - Vernon - Repairs to #5 Oven

3099 - Los Angeles - Design and construct Two (2) Afterburners for Core Ovens
(A) Labor and material to repair hole in building

3100 - Los Angeles - Rebrick Two (2) Thorpe Car-top Annealing Furnaces

(A) - Rebrick One (1) Knapp Car-top Annealing Furnace

(B) - Rebrick One (1) Thorpe Draw Furnace

~~(B EXTRA) — Additional Work on Thorpe Draw Furnace~~

(A Extra) Furnish new mounting plate for North American burner

(B Extra) Repairs to lining of Air Heater Chamber

4035 Los Angeles
Labor only to repair #3 annealing furnace

STEEL CASTING CO (L.A.) continued..

4153	Repair door jamb and burner tile on KNAPP furnace - rebrick door on THORPE furnace.	
4243	Rep. #1 draw oven	
4499	Rep. #1 draw furnace	
4695	Renew main arch, #1 draw furnace	
4808	Rep. #2 and #3 furnaces	
5585	Rep. #2 oven	2/69
5666	Rep. #3 and #4 annealing furnaces	4/69
6138	Rep. stress relieving furnace	3/70
6237	Repair # 1 and # 2 furnaces	5/70
6313	Repairs to # 1 Furnace	7/70
6468	Repairs to #2 Annealing furnace	11/70
7641	Vernon Repair arch and supports is #2 Annealing oven	4/73
7835	Los Angeles Repair door #1 furnace.	
"A"	Necessary repairs to the bombustion chamber at rear of furnace	8/73
8043	Los Angeles Nec. repairs to #1 circulating furnace	1/14
"A"	Repair roof of #1 Circulating furnace	1/17

STEEL CASTING CO (Continued)

8235	LA Repair #2 furnace	4/74
8347	LA Repair door jamb on #1 recirc furnace	7/74
8632	LA Nec repairs to #4 Furnace	1/75
8635	LA Nec repairs to #3 Furnace	1/75
8903	LA Repair #3 and #4 Furnaces	7/75
9511 "A" "B"	LA - Repairs to #2 Furnace Repairs to #1 Furnace Repairs to #4 Furnace	11/76
10188	LA - Nec Repairs to Roof #2 Furnace	1/78
11266	Los Angeles Repair #1, #2, #3 and #4 heat treating furnaces	11/79
12607	Los Angeles, CA Repairs to #3 furnace	3/82

STEPHAN CHEMICAL

5457	Anaheim Acid Brick Paving	DEA 11/27
5708	Anaheim Acid brick paving	5/22/69

STERLING LAUNDRY, INC.

4972 - Los Angeles - Repairs to Front Wall of HRT Boiler

STERLING MEAT COMPANY

2751 - Repairs to Rear Arch HRT Boiler

NO. 801-11 R ZIP-[illegible] U.S.A.

STEWART CONSTRUCTION CO.

8045	Corona Design and construct Holding Furnace	1/14
8524	Corona Refurbish 2 NA Burners #6512 & Rebuild Fisher Reg. #99	10/74

STOCK MAR CORP.

14872	**Torrance, CA** **Crude Heater 1F1 & 1F2** **Install Studs**	**10-8-87**
15083	Paramount, CA Install new lining in Ray Go Furnace	5-25-88

RILEY STOKER CORPORATION (Worcester, Mass.)

3686 San Diego Gas & Electric Co
Chula Vista Station, Unit #3
Refractory and insulation alterations

STONE & WEBSTER ENGINEERING CORP.

237 - Southern California Edison Company Ltd.
To Install Inspection Door and Stack

2139 - Firestone Tire & Rubber Company
Bigelow Arch Material

3906 - See Robert L. Johnson Company - Erath, Louisiana
Brick Setting for Three (3) Single 23-VM-17.00
C. E. Bent Tube Boilers.

3963 - See Defense Plant Corporation
Dow Chemical Company, Agent
Styrene Project - Los Angeles
Eight (8) Petro-Chem and One (1) Iso-Flow Furnace

4214 - Southern California Edison Company Ltd. - Long Beach
Repairs to Boilers in Station #2

4486 - Natural Soda Products Co. - Keeler, Calif.
Boiler House of Soda Ash Plant
Brick Setting for One (1) 72" x 20'-0" 200 h.p.
HRT Boiler

6268 - See The Babcock & Wilcox Company
El Paso Electric Company - Las Cruces, New Mexico
Setting for One (1) F-25 AG 20 - 16/54" Integral
Furnace Boiler

7123 - Southern California Edison Co. - Redondo Beach
Insulation for Atmospheric Exhaust Piping for
Turbines
(A) - Miscellaneous Insulation on Piping
(B) - Steam Fringes on Turbine Floor

7564 - Southern California Edison Co. - Redondo, Calif-
To Replace Steam Line

5575 - See C. C. Moore & Co. Engineers
So. Calif. Edison Co., Ltd. - Redondo
New Steam Plant - Boiler Brickwork & Insulation
(A) - Extra Material
(B) - Extra Glass Cloth Seals
(C) - Premium Time
(D) - Repairs to Attemperator Insulation on Blr #1

(contd.)

STONE & WEBSTER ENGINEERING CORP.

7983 - See C. C. Moore & Co. Engineers
Southern California Edison Co. - Redondo Beach
Steam Station No. 2 - Unit No. 5 - Boiler No. 8
Material Only for the Setting of One (1) 48'-0" wide/66" B&W Radiant Boiler

(A) - Replace Partial K-20 Castable on Interior of Recirculating Gas Duct

8012 - See C. C. Moore & Co. Engineers
Southern California Edison Co. - Redondo
Redondo Steam Station - B&W Boiler RB-183
Erection of Refractories and Insulation - Labor Only

(A) - Reinsulating Part of Interior of Recirculating Gas Duct

(B) - Reinsulating Part of Interior of Recirculating Gas Duct

(C) - Point Up Cracks in Boiler Enclosure

8570 - See C. C. Moore & Co. Engineers
Southern California Edison Co. - Redondo
Redondo Steam Station - Boiler No. 9 - RB-266
Material Only for One (1) B&W Radiant Boiler

(A) - Labor Only for above

(B) - Apply Insulation to Opening in Stack - #7 Boiler

(C) - Install Wool between Secondary Air Duct & Gas Flue

(D) - Insulate Two Each: Reheating Valves; Attemperator Spray Valves; Feed Water Valves

STROH BREWERY

13245	**Van Nuys, CA** **Refractory installation** **3-Brew Kettle Furnaces**	**11/15**
13633	Van Nuys CA Remove inspection door	9-84
13897	Van Nuys Repairs to #2 Boiler	5-85
14386	Van Nuys Repair 2 Kettle Burners	7-10-86
14393	Van Nuys Furnish & install 2 Kettle burner tiles	7-17-86
14723	**Van Nuys** **Repair #2 kettle**	**5/87**
15082	Van Nuys, CA Renew burner throats in three brew kettles	5-25-88

STRUTHERS WELLS CORPORATION (Warrne, Pa.)

3772 C F Braun & Co
Collier Chemical Co
Brea
Install refractory lining in one steam generator

SUCH CONSTRUCTION COMPANY, INC

2831 - Collier Carbon & Chemical Co
Wilmington
Labor and material to Install Acid
Brick in Pit

~~4101 GENERAL CHEM. CO.~~
~~Torrance~~
~~Furnish and install acid brick floor~~ in 3 ft.
dia. sump pipe

4101 General Chemical Co
Torrance
Furnish and install acid brick floor in
3 ft dia. sump pipe
A) Furnish and install acid brick in 3 ft.
dia. sump pipe

5815 Watson Amer. ChemCorp. 7/29
Install acid proof lining and
tufchem lining in pit

SUDDEN & CHRISTENSEN STEAMSHIP CO.

3618 - S. S. "Ryder Hanify" - Boiler Repairs

3806 - S. S. "Ryder Hanify" - Boiler Repairs

NO. 801-11 R [illegible] U.S.A.

SUMMERS GYROSCOPE CO.

9847 Santa Monica - Labor & Material to Line Glass Furnace

SUN EXPLORATION & PRODUCTION

15175A	Fellows, CA Design & Construct One (1) 4' x 1" OD x 10' x 2" L Waste Gas Incinerator for the Exeter Lease	8-24-88
15175B	Design & Construct One (1) 4' – 1" OD x 10' - 2" L Waste Gas Incinerator for the Andersen Goodwin Lease	8-24-88
15175C	Design & Construct One (1) 4' - 1" OD x 12' - 0" L Waste Gas Incinerator for the Neely Lease	8-24-88
15175D	Design & Construct One (1) 5' -9" OD x 14' - 4" L Waste Gas Incinerator for the W & S Lease	8-24-88

SUN HARBOR PACKING COMPANY

5395 - See Asbestos Company of California
San Diego - Boat "Pan American"
Pipe Insulation Repairs

5843 - See R C S Engineering Company
San Diego - Brickwork - Riley Boiler type "RO",
Class "G"

SUN LUMBER COMPANY

6065 - See Lohman Bros.
Van Nuys - One (1) Kewanee Boiler

SUN OIL CO.

14345	"SS Prince William Sound" Tear out in port and star board boiler	6-2-86

SUN OIL COMPANY

8430 - See the Ralph M. Parsons Company
Marcus Hook, Pennsylvania
Wedco Gas Incinerator - Materials Only

SUNLAW CO-GENERATION

14607	Vernon, CA Duct Repair	2-9-87
14776	Vernon, CA Repair Turbine Duct	7-18-87
14787	Vernon, CA Repairs to Gas Turbine Duct	7-25-87
14816	Vernon, CA Turbine Duct Repairs	8-21-87
14852	Vernon, CA Gas Turbine Duct	9-30-87
14870	Vernon, CA Gas Turbine Duct	10-8-87
14871	Vernon, CA (ALCOA) Gas Turbine Duct	10-8-87
14937	Vernon, CA (District) Repairs to gas turbine duct	12-11-87
14938	Vernon, CA (ALCOA &Vernon) Repairs to gas turbine duct	12-11-87
14939	Vernon, CA (District & Downey) Inspection and Repairs to Co-Generation Duct	12-11-87
14940	Vernon, CA (ALCOA & Vernon) Inspection and Repairs to Co-Generation Duct	12-11-87
14662	Vernon, CA Repair Federal cold storage co-generation duct	12-30-86
14568	Vernon, CA (ALCOA & Vernon) Necessary Repairs	1-6-87
14973	Vernon, CA Inspect and Repair Hot Gas Duct @ District & Downey Station	1-15-88

SUNLAW CO-GENERATION

15018	Vernon, CA (Alcoa & Vernon) First quality firebrick modification to first 12ft. of duct on high impact side.	3-7-88
15019	Vernon, CA (District & Downey) Fist quality firebrick modification to first 12ft. of duck work on high impact side.	3-7-88

SUNNY SALLY INC.

4091 Los Angeles
Necessary repairs to water blancher

SUNRAY OIL CORPORATION

6997 - Santa Maria - Brickwork and Insulation Repairs to Oil Heaters #2 and #3

8675 - See Ofcco Construction Co., Inc.
Newhall - Repairs to Petro-Chem Furnace

10. 901-11 R IP U.S.A.

SUNSET INTERNATIONAL PETROLEUM CORP.
SUNSET OIL COMPANY (former name)

4619 - Los Angeles - Main Street Tank Farm
Refractory and Insulation Enclosure for
One (1) Fired Heater

4897 - See The Contracting Engineers Co.
Wilmington Refinery - Settings for Two (2) 85 h.p.
Kewanee Firebox Boilers
(A) - Brick up Skirt on Fractioning Power
(For Sunset Oil Company direct)

7997 - Torrance - Neces. Repairs to El Flash Tower
(A) - Necessary Repairs to El Flash Tower

8852 - Torrance - Labor and Material to Insulate Tube
Support Casting on Unit #1 Thermal Cracker

8885 - Torrance - Insulate Breeching of T.C. Unit #1

Sunset International Petroleum Corp.

8962 - See Southern Enginnering & Construction Co.
Torrance - Install Refractory Lining in U.O.P.
Updraft Oil Heater

9053 - Torrance - #1 Crude Heater Repairs

9128 - Torrance - Repairs to Primary Flash Tower

9189 - Wilmington - Marine Terminal - Repairs to
Starboard Boiler

9381 - Torrance - Repairs to #4 Boiler

9424 - Torrance - Repairs to B&W Boiler

9439 - Torrance - Renew Floor in #5 Boiler

9506 - Torrance - Repairs to #1 and #2 Boilers
(A) - Repair Petrochem Furnace

SUNSTRAND TURBO DIV. OF
SUNSTRAND MACHINE CORPORATION

9563 - Pacoima - Brickwork Repairs to Afterburner

SUPERIOR DRUM COMPANY

7246	Southgate Construct New Barrel Furnace	6/72

SUPERIOR INDUSTRIES

8395	Van Nuys Repair Warwick furnace	8/74
9002	Van Nuys Burner Tile for McGowan Alum Furnace	10/75
"A"	Repairs to McGowan Alum Furnace	
9003	Van Nuys Repairs to Warwick Furnace	10/75
9049	Van Nuys Install 3 Tapout Blocks in McGowan Furnace	11/75
9092	Van Nuys - Remove Existing Lining on 20,000 lb McGowan Furnace	12/75
9149	Van Nuys - Design & Reconstruct 20,000# Aluminum Melter	2/76
9323	Van Nuys - Refractory Repairs to 8000# McGowan Alum Melting Furnace	6/76
9326	Van Nuys - Install 2 Tapout Blocks McGowan 20,000 Furnace	6/76
9464	Van Nuys - Install Castables in one door.	10/76
9497	Van Nuys - Remove & Replace Two Out Blocks	10/76
9519	Van Nuys - Repairs to 20,000# McGowan Furnace	11/76

SUPERIOR INDUSTRIES

9591 Van Nuys - Repairs to 8000# Reverb. 12/76

SUPERIOR OIL COMPANY

2518 - See C. C. Moore & Co. Engineers
Kettleman Hills - Four (4) Type HIII #18 Stirling Boilers

3376 - See C. C. Moore & Co. Engineers
One (1) Class HIII #18 Stirling Boiler

3813 - See Robert L. Johnson Company
The Fluor Corporation, Ltd.
Conroe, Texas (Mostyn Station)
Three (3) Single 23 VM 17.00 C-E Boilers

3874 - Cancelled
See Robert L. Johnson Co.
The Fluor Corporation, Ltd.
Moyston Station, Texas - Three (3) Single 23 "VM" 17.00 C. E. Bent Tube Boilers

4381 - Pinehurst, Texas - Lake Creek Recycling Plant
See T-504 "Aertite" C. E. Boiler Settings

T-4822 - Conroe Texas - Lake Creek Recycling Plant
See T-511 Boiler Covering Repairs

SUPERIOR PAINT & LACQUER WORKS

6022 - Huntington Park - Repairs to 5' dia. x 4' Ball Mill

6235 - Huntington Park - Repairs to 5' dia. Ball Mill

6985 - Huntington Park - To Replace Stone Lining in 300 gal., 5 ft. dia. Pebble Mill

7208 - Huntington Park - To Repair End Wall of Ball Mill

SUPERWELD CORPORATION

6339 - Glendale - Repairs to Brickwork in General Electric Furnace

6817 - Glendale - To Reline Gas Converter--a Tube 12" I. D. x 67" long

8138 - North Hollywood - Repair G.E. Brazing Furnace

8874 - North Hollywood - Repair G. E. Brazing Furnace

9238 - North Hollywood - Rebrick Rear Door on G. E. Brazing Furnace

9329 - North Hollywood - Reline Exo-Thermic Gas Converter 15" dia. x 7'-4½" long

9655 - North Hollywood - Repair & Replace Brickwork in G.E. Roller Hearth #1

(A) - Rebuild Brazing Furnace Base

1199 - No. Hollywood - Repair Small GE Furnace Lining

1370 - No. Hollywood - Replace lining in Rolling Gantry Furnace

1538 - No. Hollywood - Repair Brazing Furnace Roof

2087 - No. Hollywood -- Repair roof of retort Brazing Furnace

2279 - No. Hollywood - Repair Brazing Furnace Roof

2335 - No. Hollywood - Repair Retort Furnace Roof

(A) - Repair Door Arch on Furnace

2438 - No. Hollywood - Necessary repairs to #3 Furnace

2525 - No. Hollywood - Repairs on Roller Hearth Furnace

2649 - No. Hollywood - Repairs to #3 Furnace

(A) - Repairs to #4 Furnace

SUPERWELD CORPORATION

3594 **North Hollywood**
Repairs to tempering furnace

4202 North Hollywood
Repair G.E. Electric Furnace

4807 North Hollywood
Repair G.E. electric furnace

5378 North Hollywood
Repair G.E. Electric furnace.

6512 Brickwork repairs to GE elec furn 12/70

7856 No. Hollywood
To install element in Annealing Furnace and repair necessary brickwork. 9/73

SURFACE COMBUSTION
DIVISION OF GENERAL PROPERTIES CO., INC.

3020 - Columbia Steel Corp.
Ingot Furnace

3066 - Columbia Steel Corp.
Repairs

4035 - Kaiser Company, Iron & Steel Division - Fontana
One (1) Merchant Mill and Two (2) Slab Heating Furnaces

4157 - Pacific Tube Company - Los Angeles
One (1) Roller Hearth Annealing Furnace - Brickwork and Insulation

SWECO-TWAITS

8774 - Pacific Coast Borax Company - Boron
/Material to Construct Two Thorpe A.B. Furnaces
(A) - Labor on above
(B) - Lower the Side Walls on Two Thorpe Furnaces

8856 - Pacific Coast Borax Company, Boron
Furnish Combustion and Control Equipment for Two (2) Industrial Furnaces, Inc. Borax Furnaces
(A) - Furnish Labor to Install Combustion and Control Equipment for Two (2) Industrial Furnaces, Inc. Borax Furnaces

SWEETLOW INC

5760 Garden Grove 6-18-69
Line back of Apex boiler
with fire brick

SWIFT & COMPANY

2266 - See Emsco Refractories Co.
One (1) Absorber Setting

2267 - See C. C. Moore & Co. Engineers
One (1) 12'-0" x 16-24/2-42 x 18'-0" B&W Boiler

2634 - Rebuild Two (2) 450 h.p. B. & W. Boilers

2669 - Vernon - Repairs to Oil Heater

3173 - Vernon - 645 h.p. Combustion Boiler

3414 - Vernon - Repairs to Boiler

3426 - Repairs to Arches over Burner

3501 - Point up Combustion Engineering Boiler Brickwork

3525 - #3 Boiler Repairs

3602 - Repairs to Combustion Engineering Boiler

3790 - C. E. Boiler Brickwork Repairs

4170 - Los Angeles - Vernon Avenue
C. E. Boiler Furnace Repairs

4179 - See W. F. H. Schultz, Inc.
Vernon - Hydrogen Generator Repairs

4378 - Vernon - C. E. Boilers - Brickwork Repairs

4575 - Vernon - Incinerator Repairs

5068 - Vernon - C. E. Boiler Brickwork Repairs

5313 - Vernon - Brickwork Repairs to C. E. Boiler

5791 - Vernon - Repairs to C. E. Boiler

6025 - Vernon - Repairs to Boiler

6392 - Vernon - Furnace Brickwork Repairs--C-E Boiler

6733 - Vernon - Repairs to C-E Boiler

7018 - Vernon - Boiler #3, To Rebrick Five (5)
Access Doors

9590 - See C. C. Moore & Co. Engineers
Vernon - Install New Burner Throats in
FM #79 Boiler

SWIFT & COMPANY

3579 Acme Construction & Insulation Co.
Whittier
Acid proof floor paving for Ice Cream Plant
(A) Install Penntrowel coating in trench

SWIFT EATABLE CO

8345 Vernon 7/74
Repair No. 4 boiler

SWINDELL-DRESSLER CORPORATION

6076 - American Radiator & Standard Sanitary Corporation
Torrance - Brickwork - Four (4) Tunnel Kilns

6188 - Universal Sanitary & Manufacturing Co. - Mentone, Calif. - Brickwork for One (1) New Tunnel Kiln

6265 - Vernon Kilns - Vernon
To Install Brickwork for One (1) Tunnel Kiln

6266 - Cook Manufacturing Company - Puente, Calif.
To Install Brickwork for One (1) Tunnel Kiln

6971 - Crane Pacific Company (Alliance Ware Co.)
Colton - Two (2) Tunnel Kilns

6998 - Gladding, McBean & Co. - Los Angeles - Glendale Plant - To Erect Decorating Kiln

7231 - Kaiser Steel Corporation - Fontana
Brickwork and Insulation for Five (5) Furnaces and 15 Bases

7585 - LeBow of California - Burbank - Brickwork on New 31-4" Long Tunnel Kiln

8026 - Gladding, McBean & Co. - Los Angeles, Calif. - Glendale Plant - To Construct China Decorating Kiln

8499 - Norris-Thermador Corporation - Walnut, Calif.
Construct a New Tunnel Kiln

9035 - Pacific Clay Products - Los Nietos
Furnish Labor to Install Refractory and Insul. for One (1) Tunnel Kiln and Preheater
(A) - Furnish Concrete Blocks & Slabs for Tunnel Kiln

9373 - Universal-Rundle Corporation - Mentone
Brickwork Alterations to Dressler Tunnel Kiln

9385 - American Manganese Steel
Div. of the American Brake Shoe Company
Los Angeles - Furnish Labor to Install Refrac. in One (1) Car Bottom Furnace

1246 - Gibraltar Mfg. Co - Corona
Construct Tunnel Kiln.
(A)- Supply Additional Materials & Labor necessary.

(Cont'd next page)

SWINDELL-DRESSLER CORPORATION (Cont'd)

2100 - Higgins Brick Company - Chino
Construct Tunnel Kiln

(A) - Replacing & Sawing Concrete Slabs

6892 Interpace
Victorville
Labor to Install Lining in Tunnel Kiln 9/71

8611 Pacific Clay Products 12/74
Los Nietos - Modifications to #2 Kiln

SWINTERTON AND WALBERG

13052	MOBIL OIL Torrance, CA KTI ductwork, field splices, misc. repairs	5/83

SYLMAR PACKING COMPANY

2073 - See C. C. Moore & Co. Engineers
Sylmar - Two (2) 7'-0" x 6-7/1-36 x 16' B. & W. Boiler

2323 - Sylmar - Repairs to Hammel Burner Floor - Two (2) Furnaces

2621 - See C. C. Moore & Co. Engineers
Repairs to Two (2) B. & W. Boilers

4653 - See C. C. Moore & Co. Engineers
San Fernando - One (1) Class HII #14 Boiler Setting

NO. 901-11 R ... U.S.A.

J.T. THORPE
JOB BOOK
ALPHABETICAL
ORDER:
T-V

TABLE LINEN SUPPLY COMPANY

8875 - Los Angeles - Repair HRT Boiler

NO. 301-[illegible] U.S.A.

TALLEY CORPORATION

2376	Newberry Park, CA Construct one tubular air heater and enclosure	
11831	Newberry Park Repairs to Pacific Scientific box furnace	10/80
11997	Newberry Park Repairs to bottom load furnace	2/81
12233	Newberry Park Reline upper section of T6 bottom loading furnace	6/81
14207	Newberry Park Repairs to tubular air furnace	1/86
14274	Newberry Park Repairs to bubular air heater	3/86
14414	Newberry Park Preheater coil	8/86
14421	Newberry Park Pipe assembly	8/86
14474	Newberry Park Repairs to Ryan furnace	10/86

TAMCO (Ameron)-

9201	Etiwanda, Ca. Ladle Dryout Lid	3/76
9366	Ameron Affiliate Divn - Etiwanda Furnish Tundish Preheat Exhaust Sys	7/76
9537	Ameron - Etiwanda Erecting Steel Stack for Ladle Preheat Sys and Tundish Preheat Exhaust Sys.	11/76
9838	Etiwanda - Repair Tundish Preheat Fire Damage	6/77
10645	Etiwanda - Supply Five Heat Shields	11/78
10695	Etiwanda - Repair Oil System on Tundish Preheater	12/78
11792	Etiwanda Furnish namco equipment and installation and modification to ladle heating station	9/80 DKO
13164	Insulate transition duct roof on laddle preheater	9/83
A	Install Z-Bloc modules on 1ft extension of preheater	9/83
13707	Fontana Ca Cast New Burn er Blocks for Ladder Pre-Heater	11-84

TAMCO ENGINEERS

9617 - Camp Pendleton - San Diego
Refractory Repairs to Four (4) Gabriel Boilers
as directed

TAMDEN

10964 Carson 5/79
Gunite Repair

11237 Carson 10/79
Install refractory lining in flux box

11278 Long Beach 11/7
Nec. repairs to #1 furnace remelt

11101 TIMCO/Carson 8/79
Repair charging door, jambs
sill and arch #1 melter

A Repair trough 8/79

11799 Long Beach 9/80
Repairs to the jamb arch and
ramp #1 melting furnace

12257 Carson, CA 7/81
~~Repairs to #2 furnace~~
Repair afterburner in #1 furnace

12395 Long Beach, CA 8/81
Repairs to #2 furnace

12845 TIMCO
Long Beach, CA 10/82
Repairs to alumina reverb

TAMDEN

13152	TIMCO Long Beach, CA Repair #1 furnace	8/83
13163	TIMCO Long Beach, CA Repairs to #1 furnace	9/83
13469	Long Beach, CA Repair #1 Melting Furnace	5/84

TAYLOR FORGE & PIPE WORKS

6504 - Fontana - To Recondition 17'-0" dia. Rotary Forge Furnace

6562 - Fontana - Brickwork and Insulation on 3'-0" x 7'-6" Forging Furnace

6602 - See The Robert L. Johnson Corporation Fontana - C-E Boiler Brickwork

6962 - Fontana - Brickwork Repairs to S. C. Walking Beam Air-Draw Furnace

7077 - Fontana - To Apply Insulation on Forge Area Piping
(A) - To Rebuild Charging Door Opening on 17 ft. dia. Rotary Furnace
(B) - To Rebrick Hearth of Small Stewart Furnace
(C) - To Insulate Boiler Breeching and Piping

7132 - Fontana - Refractory and Insulation Enclosure for One (1) #249 Forge Furnace
(A) - For One (1) Furnace, same as above

7185 - Fontana - Repair Door Jambs on 17' Rotary Hearth Furnace

7206 - Fontana - Miscellaneous Insulation
(A) - Miscellaneous Insulation

7280 - Fontana - To Repair Asphalt Kettle Furnace

7306 - Fontana - To Renew Burner Port - 17' Rotary Furnace

7324 - Fontana - Repair Small Box Furnace

7336 - Fontana - Rebrick Door of 8'x9' Forge Furnace
(A) - Rebrick Door of 8'x9'10" Forge Furnace #2

7350 - Fontana - To Construct Firebrick Enclosure for for One (1) 18x24x48"TFPW Furnace

7381 - Fontana - To Repair 17 ft. Hearth & Burner Blocks

7393 - Fontana - To Repair 17 ft. Rotary Furnace #6423
(A) - To Repair Hearth in Stewart Furnace

(contd.)

TAYLOR FORGE & PIPE WORKS

7499 - Fontana - To Repair 17 ft. dia. Rotary Furnace
(A) - To Repair Furnace Door
7553 - Fontana - To Rebuild Door Jamb of 8'x9'-10½" Box Furnace #6421
(A) - Ditto for Box Furnace #6420
(B) - To Rebrick Heat Treat Furnace #6353
(C) To Repair 17 ft. Rotary Forge Furnace
7600 - Fontana, California - 14000 lbs-17' Rotary Forge Furnace Refractory Lining
(B) Roof Repr.
(C) Hearth Rpr.
(A) - To Rebrick Lower Walls and Hearth of 14,000# Rotary Forge Furnace
7628 - Fontana, Calif. - To Repair 14,000 lb. Rotary Forge Furnace

7654 - Fontana - To Ram Burner Blocks in Heat Treating Furnace

7673 - Fontana - To Rebrick 3'x7'-6" Forge Furnace

7715 - Fontana - To Repair 8'x10'-0" Box-Type Forge Furnace #6421
(A) - To Repair Furnace #6420
(B) - To Repair 6000 lb. Rotary Furnace #6242
(C) - To Replace Roof & Rear Wall of Heat Treating Furnace #6353
(D) - To Repair Blacksmith Furnace

7813 - Fontana - To Repair End Wall, Furnace #6241
(A) - Door Jamb Repair - Furnace #6420
(B) - Door Jamb Repair on Ring Furnace #6420
7826 - Fontana - To Rebuild One (1) 17 ft. dia. Rotary Forge Furnace, Including Detrick Arch and Luminous Burners
(A) -To Construct One (1) Forge Furnace

7990 - Taylor Forge & Pipe Works, Fontana - To Repair Brickwork in Box Furnace No. 6421

8035 - Fontana, Calif. - To Repair Box Forge Furnace No. 6421
(A) - To Repair Furnace Door
(B) - To Repair Center Stack of 6000# Furnace

8093 - Fontana - To Repair #6241 Forge Furnace
(A) - Rebrick Arch on Mill Furnace #6421
(B) - Repair Walls in 14,000# Forge Furnace
(C) - Rebrick Blacksmith Furnace

TAYLOR FORGE & PIPE WORKS

8167 - Fontana - Repair Door-Arch & Jambs of West MillsFurnace
m(A) - Rebrick Mill Furnace Door
(B) - Repair Hearth in 6000# Rotary Hearth Furnace
(C) - Repair Hearth in Furnace #6241
(D) - Repair One Wall of Mill Furnace

8308 - Fontana - Repair Hearth of Rotary Hearth Furnace #6423

Work Done Under 8308 -- (A) - Repair Blacksmith Furnace

8316 - Fontana - Repair 14,000# Hammer Rotary Furnace Walls
(A) - Repair Pipe-End Heating Furnace
(B) - Repair End Wall of 2000# Hammer Furnace
(C) - Repair Hearth #6340 Furnace
(D) - Rebrick 3'-0" x 7'-7" Forge Furnace
(E) - Repair Mill Furnace #6421 Door Jamb
(F) - Repair Hearth in 14,000# Rotary Forge Furnace
(G) - New Roof and Door Arch for Mill Furnace #6420
(H) - New Roof for Blacksmith Furnace #6243
(I) - Repair Door Arch in 17 ft. Rotary Forge Furnace #6423
(J) - Construct Curtain-Wall Tile Door for 17 ft. Rotary Furnace #6243

8541 - Fontana - Repair Hearth on 14,000# Rotary Forge Furnace
(A) - Repair Door and Door Jambs on Mill Furnace #6421
(B) - Construct Refractory & Insulation Enclosure for One (1) Package Type C-E Boiler No. 12-PB-16, Damaged by Explosion
(C) - Repair Brickwork in Mill Furnace #6421
(D) - Rebrick Hot Bell-ending Furnace Mach. 6061
(E) - Repair Hearth & North Door Arch - #10 Hammer Furn.
(F) - Rebrick Furnace Door
(G) - Repair Curtain Wall Door

8686 - Fontana - Design and Construct One (1) Slot Type Forge Furnace

8688 - Fontana - Repair Hearth on No. 6423 Rotary Hearth Furnace
(A) - Repair Door Jamb on Ring Furnace #6420
(B) - Repair Door Arch on Mill Furnace
(C) - Repair Hearth on #6423 Rotary

(contd.)

TAYLOR FORGE & PIPE WORKS

8688 - (contd.)
(D) - Repair Blacksmith Furnace
(E) - Rebrick Mill Furnace Door
(F) - Repair Hearth of 17'-0" Rotary Furnace
(G) - Repair One (1) Mill Furnace, #6420
(H) - Repair Asphalt Kettle
(I) - Replace Brick on Ends of Preheater Furnace
(J) - Repair Walls of 14,000 lb. Rotary Forge Furnace
(K) - Brick Door Frame Assembly
(L) - Repair Brickwork in Preheater Furnace #6084

9072 - Fontana - Repair Hearth & Inner Wall on #6242
(A) - Install Lining in Rotary Furnace Door .
(B) - Replace Front Door Arch and Jambs on Mill Furnace, Machine #6421
(C) - Supply and Install Refractory in One (1) Forge Furnace Door
(D) - Brick Door Frame Assembly FO-477
(E) - Repair Mill Furnace Door Jamb & Arch #6420
(F) - Repair Blacksmith Furnace
(G) - Brick Extra Mill Furnace Door
(H) - Repair 14,000# Rotary Furnace Heater #6240
(I) - Repair Mill Furnace Door Jamb & Arch #6421
(J) - Repair Ends & Hearth of #6421
(K) - Repair Roof of Rotary Furnace #6240
(L) - Repair Lindberg Electric Furnace #6950
(M) - Repair Mill Furnace Door
(N) - Rebrick East Ring Mill Furnace
(O) - Rebrick West Ring Mill Furnace
(P) - Repair Roof on Furnace #6240

9586 - Fontana - Repair Hearth of Furnace #6423
(A) - Repair Door Jambs Furnace #6420
(B) - Repair Door Jambs Furnace #6421
(C) - Repair Spare Doors on Machines #6420 and #6240

9627 - Fontana - Rebrick Blacksmith Furnace
(A) - Reline Extra Door for Forging Furnace

TAYLOR FORGE & PIPE WORKS

1038 Fontana - Repair Mill Furnace and 2000# Hammer Furnace
(A) Rebrick Door Arch & Jambs on Mill Furnace
(B) Replace Front & Back Walls #10 Hammer Furnace
(C) Replace Door Arch & Jambs on West Ring Mill Furnace
(D) Brick Two Mill Furnace Doors

1203 Fontana - Labor & material to make furnace repairs Detrick curtain door.
(A) Ring Mill Furnace Door
(B) Lindberg Furnace Repairs

TAYLOR REFINING COMPANY

2750 - See Lummus Company
Tyler, Texas - San Joaquin Burners

TEAM CONSTRUCTORS

14650 El Toro Marine Air Station 3/13/87
Repairs to test Cell A

TECHNICAL CONSTRUCTION COMPANY

2382 - Douglas Aircraft Co - Long Beach
Install Castable Bridge Wall in Lamont
Air Heater

TECHNICOLOR MOTION PICTURE CORP.

9407 - See Harsell Engineering Company
Hollywood - Construct One (1) AfterBurner

TELECOMPUTING CORPORATION

1488 - Whittaker Gyro Division - Van Nuys
Furnish labor and material to renew Hearth
of Heat Treat Furnace

TENNECO OIL COMPANY

12626	PATHWAY BELLOWS El Cajon, CA Install refractory lining in one expansion joint.	4/82 RCN

TERRY, CHASE, & SON

3146 - Richfield Oil Corporation - El Segundo
Brickwork - Two (2) 250 h.p. Heine Boilers

3333 - W. C. Hardesty Company - Los Angeles
150 h.p. Scotch Marine Boiler

3355 - Mission Dry Corporation
Class "G" #18 Badenhausen Boiler Setting

3388 - California Sanitary Cannery
Concrete Foundation

TEVAL CORPORATION

8725	USNaval Station, Pear Harbor Refractory Linings Smoke Abatement Facilities	: 3/75

TEXAS BUTADIENE & CHEMICAL CO.

8579 - See J. T. Thorpe Company
The Fluor Corporation, Ltd.
Houston, Texas - Refractory and Insulation Linings for Seven (7) Butadiene Reactors - Engineering Only - L. A. Office
& Detrick Sale

(A) - Engineering Only for Waste Heat Boiler Linings
(B) - Material for Waste Heat Boiler Linings

TEXAS COMPANY, THE

2032 - California Petroleum Corp. - Watson
One (1) Control House and Pump House

2156 - Coalinga - Two (2) Dehydrator Retorts

2214 - Santa Fe Springs - Two (2) 250 h.p. Llewellyn Blrs.

2215 - Santa Fe Springs - Erection of Two (2) 250 h.p. Llewellyn Boilers

2225 - Wilmington - Delivery of San Joaquin Material

2242 - Kettleman Hills - Plant #8
Erection of Three (3) 250 h.p. Llewellyn Boilers

2243 - Kettleman Hills - Brickwork - Three (3) 250 h.p. Llewellyn Boilers

2247 - Santa Fe Springs - Erection of Two (2) 250 h.p. Llewellyn Boilers

2248 - Santa Fe Springs - Two (2) 250 h.p. Llewellyn Blrs.

2264 - Delivery of San Joaquin Tile

2270 - Dominguez Reservoir - 13'-6" x 18'-0" Oil Heater - Dehydrator

2303 - Wilmington - Reline Stack

2350 - See M. W. Kellogg Company
Thenard - Two (2) Furnaces

2351 - See M. W. Kellogg Company
Fillmore - One (1) Cracking Furnace and One (1) Reducing Furnace

2382 - Watson - One (1) 13'-0" x $\frac{22\text{-}12}{48}$ x 24'-0" W.S.V.H. C.D. B&W Boiler Brickwork & Detrick Arch

2391 - Wilmington - Delivery of Material

2397 - Santa Fe Springs - Erection of Two (2) Llewellyn Water Tube Boilers and Two (2) 48" dia. 100 ft. Steel Stack

2398 - Santa Fe Springs - Brickwork for Two (2) 250 h.p. Llewellyn Water Tube Boilers

2422 - Wilmington - Brickwork - De Florez Upshot Heater

2748 - See The Fluor Corporation, Ltd.
Huntington Park - Two (2) 70 h.p. HRT Boilers

(contd.)

TEXAS COMPANY, THE (contd.)

2852 - Yorba Linda - Pipe Line - Reset #3 Boiler

2872 - Coalinga - Repairs to Two (2) Pipe Heaters

2885 - Yorba Linda - HRT #2 Boiler Setting

2915 - Yorba Linda - #1 85 h.p. HRT Boiler

2962 - Fillmore - Two (2) Stacks

2998 - See Pacific Crane & Rigging Company
Montebello - Three (3) 250 h.p. Llewellyn Water Tube Boilers

3086 - See The Fluor Corp., Ltd.
Shiels Canyon - Three (3) 250 h.p. Llewellyn Heine Water Tube Boilers

3155 - Wintersburg (Huntington Beach Station)
Two (2) HRT Boilers

3170 - Fillmore - Baffle Walls

3361 - Fillmore - Repairs to Brick Linings of Two (2) Stacks

3396 - Fillmore - Reducing Pipe Still #1 Repairs

3400 - Terminal Island - Repairs to Boiler #1

3480 - Fillmore - Repair #4 Boiler Brickwork

3496 - S. S. "Dirigo" - Boiler Brickwork Repairs

3519 - Fillmore - Repairs to Crude Pipe Still and Pressure Still

3541 - Fillmore - Repairs to Boiler Setting #10

3575 - Fillmore - Monolithic Baffles for Two (2) B. & W. Boilers
See C. C. Moore & Co. Engineers

3576 - See Southwestern Engineering Co.
Fillmore - Circular Type U. O. P. Poly Heater

3577 - Fillmore - Repairs on #7 and #8 Boilers

3579 - See Southwestern Engineering Co.
Wilmington - One (1) Tube Still

3601 - Fillmore - Repairs to Bridge Wall Pipe Still #1

3686 - Fillmore - Repairs to Boilers #7 and #8

(contd.)

TEXAS COMPANY, THE (contd.)

3713 - S. S. "Idaho" - Repairs to Two (2) Boiler Furnaces

3754 - Wilmington - Reline 4'-0" x 90'-0" Concrete Stack

3802 - Terminal Island - Repairs to Air Heater

3804 - Terminal Island - Repairs to #1 Boiler

3849 - Fillmore - Brickwork Repairs to Pipe Still

4014 - (Cancelled)
Terminal Island - Boiler Furnace Repairs

4070 - See C. C. Moore & Co. Engineers
Wilmington - Four (4) Class "F" B&W/Boiler Settings Integral Furnace

4201 - See B M P Company
Wilmington - Los Angeles Works
One (1) Paloma Crude Heater - Brickwork

4222 - See M. W. Kellogg Company
Wilmington - Brickwork and Insulation to Oil Htrs. and Refinery Apparatus and other Misc. Brickwork
(A) - Repairs to Regenerator Lining

4257 - Fillmore Works - Brickwork Repairs to Black Oil Furnace of Cracking Unit

4278 - See C. C. Moore & Co. Engineers
Wilmington - Repairs to #8 Boiler Damaged by Explosion. (Extra on #9 Boiler)

4317-T - (See T-503)
Houston, Texas - Rebricking Two (2) Kroeschell Boilers in Battery

4331 - See B M P Company
Wilmington - Petro-Chem Furnace Lining

4441-T - (See T-506) Berwick, Louisiana
See The Fluor Corporation, Ltd.
Brick Settings for Three (3) 336 h.p. Type "VM" C-# Boilers, set Singly -Bateman Lake Cycling Plt.

4442-T - (See T-507)
See The Fluor Corporation, Ltd.
Berwick, Louisiana - Bateman Lake Cycling Plant
Refractory & Insulation on Two (2) Petro-Chem Heaters

4690 - Wilmington - Los Angeles Works
Repairs to Kellogg Heater Furnace of Pressure Pipe Still #2

(contd.)

TEXAS COMPANY, THE (contd.)

4744 - Wilmington Refinery - Brickwork Repairs to Furnaces and Flues of #3 Crude Unit

4767 - Wilmington - Fired Heater and Regenerator Lining Repairs

4881 - Wilmington - Los Angeles Works
Repairs to Stack Lining at #2 Crude Unit

5080 - Wilmington - Repairs to Oil Heater at Pressure Pipe Still #1

Crude and Cracking

5093 - Fillmore - Repairs to/Furnaces of Crude Pressure Pipe Still #1

5147 - S. S. "Contrerac" - Repairs to Two (2) Boilers

5201 - Wilmington - Los Angeles Refinery
Renew Bolted Tile in Upper Part of De Florez Heater Furnace H-M - L.U. Battery

5295 - See Bechtel Brothers McCone Co.
Wilmington - Brickwork and Insulation Repairs to V-2 Reactor Column - Catalytic Cracker

5463 - S. S. "Roanoke" - To Rebrick Galley Range

5584 - Wilmington - Brickwork Repairs to Heater Furnace of Pressure Pipe Still #1

(A) - Los Angeles Works - Misc. Brickwork Repairs to #2 Boiler in #2 Boiler House; and Boilers #3 to #8 inclusive in #1 Boiler House

(B) - Los Angeles Terminal - Renew Walls and Floor Line Inside Boiler

5591 - Wilmington - S. S. "Arkansas" - Repairs to Brickwork on Front and Rear Walls of One (1) Boiler

5624 - Fillmore - Fillmore Works
Repairs to Settings of HRT Boilers #4, #5, #6

5627 - Wilmington - Los Angeles Works - To Remove and Renew West Furnace Wall - Pressure Pipe Still #2

5640 - Wilmington - Los Angeles Works - Repairs to #1 Furnace in #1 Pressure Pipe Still

5673 - Wilmington - Repairs to Heater Furnace in #3 Crude Unit Pipe Still

(contd.)

TEXAS COMPANY, THE (contd.)

5744 - Pier #173 - S. S. "Roanoke" -
Repairs to Galley Range

5819 - Wilmington - Los Angeles Works -
Repairs to Stack Lining of Trumble Heaters

5822 - Fillmore - Fillmore Works - /Stills
Brickwork Repairs to Cracking Furnace at Pressure

6014 - Wilmington - Los Angeles Works -
Reline Stacks at PPS #2

6073 - Wilmington - Los Angeles Works -
Repairs to Crude Unit

6096 - Watson - Repairs to D. S. Heater #2

6097 - Wilmington - Install Detrick Arch Section Feed -
Preheater Furnace #B3

6150 - Wilmington - Repairs to Tile Lining in Regenerator
at F.C.C. Unit

6159 - Fillmore - Brickwork Repairs to Cracking Unit

6194 - Wilmington - To Renew Brick Lining in Bottom
14 ft. Section of Stack at HMVS No. 1

6212 - Wilmington - Repairs to Top 8 ft. of East Wall
on Tube Still

6223 - Wilmington - Brickwork Repairs to Hot Oil Circulating Furnace and to Install Four (4) Zink Burners

(A) - To Renew Brickwork on Seven (7) Pilasters of HMLU Upshot Heater; Point up Cracks in #8 Pilaster
(B) - Brickwork Repairs to #7 Separator Pit
(C) - To Renew Two (2) Burners on #3 Pressure Heater
(D) - Brickwork Repairs to Heater Furnace of #1 PPS

6256 - Wilmington - To Furnish Labor only to Replace
Approximately 50 sq. ft. of Brickwork and to
Patch Seven (7) Peepholes on H.M.L.U. Upshot Htr.

6357 - Fillmore Refinery - Brickwork Repairs to Two (2)
Fired Heaters

6373 - Wilmington - Los Angeles Works -
To Furnish Labor Only to Repair North End and
South End of Pressure Pipe Still #2

(contd.)

TEXAS COMPANY, THE (contd.)

6381 - Fillmore - Miscellaneous Insulation Repairs to Piping

6402 - Wilmington - Los Angeles Works - To Tear Out and Replace One (1) Wall of #3 Crude Unit approximately 12' wide x 18' high x 22" thick--Labor Only

6462 - Wilmington - Repairs to F. C. C. U. Unit
(A) - To Patch Boilers

6484 - Fillmore - Cracking Furnace - Brickwork Repairs

6517 - Wilmington - Brickwork Repairs to Heater in Pressure Pipe Still #2

6552 - Wilmington - To Repair F. C. C. Unit

6563 - Fillmore - Miscellaneous Insulation Repairs

6584 - Wilmington - Pressure Pipe Still #1 - Labor only to Patch Brickwork at North and South Ends of Furnace; Renew approx. 10 sq. ft. of Brickwork in Curtain Wall
(A) - Repairs to #5 and #9 Boilers

6625 - Wilmington - H.M.V.S. #1 Heater - To Furnish Labor only to Renew approx. 77 sq. ft. of Top Section in East Wall; and approx. 168 sq. ft. of Lower Section in North Wall
(B) Reprs. to #1 Pres. Still
(C) Rprs. to Deodorizer Furnace
(A) - To Repair Tile Roof Inside Upshot Heater, H.M.L.U.

6642 - Fillmore, Fillmore Works - Brickwork Repairs to Cracking Furnace and Reducing Furnace

6698 - Wilmington - Labor only to Tear out and Renew Target Wall, approx. 100 sq. ft. of West Wall in #1 Preheater, and Target Wall in #2 Preheater
(A) - Labor only to Rebrick East and West Walls and Patch North and South Walls of #1 Still; and East and West Walls of #2 Stills and 8 holes on Top of #1, #2, and #3 Stills in #3 Crude Unit

6714 - Wilmington - Detrick End Walls, #1 Cracking Still

(contd.)

TEXAS COMPANY, THE (contd.)

6716 - Wilmington - Labor only to Tear out and Renew Section of Side Wall and Front Wall in #1 and #2 Crude Still; and to Renew North and South Walls and Roof of Pipe Still Furnace
(A) - Burner Drums in Preheater
(B) - #3 Boiler

6744 - Wilmington - To Repair Roof on L.U. Preheater

6772 - Wilmington - Labor only to Repair North and South Walls on H.M.V.S. Furnace

6804 - Wilmington - To Renew Top 15 ft. of West Side Wall in #1 Pressure Heater
(A) - Fireproof Fractionating Tower in #2 Still

6805 - Norwalk - Pumping Station -
To Renew Back Wall and Top Three (3) Courses of Side Wall in Locomotive Type Boiler

6874 - Wilmington - Necessary Repairs to HMLU Heater
(A) - Necessary Repairs to Tube Still
(B) - Necessary Repairs to Brickwork in North and South Walls of Heater Furnace - #4 Crude Unit
(C) - To Replace Tile in Four (4) Burners for #10 Boiler Furnace at #2 Boiler House

6932 - Wilmington - To Repair Four (4) Burners in #8 Blr.
(A) - To Repair #2 Pressure Still
(B) - To Repair #7 Boiler
(C) - To Repair Four (4) Burners and Patch Side Walls on #4 Boiler - Labor only

6974 - Wilmington - To Repair #3 Boiler in #2 Blr. House
(A) - To Repair Crude Still
(B) - H.M.L.U. Heater

7006 - Wilmington - Labor only to tear out and renew curtain walls in Pressure Pipe Still /only
(A) - To Tear out and Renew 270 sq. ft. in Walls--Labor
(B) - To Repair #1 Boiler

7060 - Wilmington - To Repair Preheater
(A) - #2 Pressure Pipe Still Repairs

7024 - Wilmington - Marine Department
S. S. "Rhode Island" - To Furnish Labor only to Renew Side Walls in Port Boiler

(contd.)

TEXAS COMPANY, THE (contd.)

7128 - Wilmington - Labor only to Make Necessary Repairs to Crude Unit
(A) - Repairs at F.C.C.U. to Nos. B-1, B-2, B-3, and B-4 Heaters

7168 - Wilmington - Necessary Repairs to HMLU Furnace

7197 - El Monte, Calif. - Montebello Laboratory
To install alundum Refractory lining in 60" x 8'-0" Steel Shell Generator

7212 - Wilmington - To Renew East and West Walls of H.M.V.S. #2 Heater
(A) - Necessary Repairs to #2 Crude Unit
(B) - Repair HMLV Heater

see Petro-Chem Construction Co-Petro-Chem Development

7359 --Wilmington - Labor only to Install Refractories and Heat Insulating Materials for One (1) Petro-Chem Heater
(A) - To Haul Materials By Truck to Furnace Site

7372 --Wilmington - Reline Stack
(A) - To Repair Concrete Stack at Deodorizer Plant
(B) - To Repair Heater Brickwork-Crude Unit #3

7394 - Montebello - Montebello Research Laboratory - To Install Lining in Generator

7479 - Wilmington - Gunite Lining in Reactor
(A) - Gunite Lining in C10 Pipe Line
(B) - Gunite Lining in C9 Pipe Line

7560 - P. O. Box 817 - Wilmington - Repairs to #2 Shell Still Furnace, #3 Crude Unit

7623 - Wilmington - Wilmington Refinery - To Repair

7687 -
(B) - To Repair #1 Still at #2 Crude Unit
(C) - To Repair Annealing Furnace
(D) - To Renew Top Section of End Walls on Heater HMVS #1
(E) - To Renew Top 11' of So. End Wall of #3 Crude Preheater - Labor Only

7724 - Wilmington - To Install Detrick End Walls in #2 Kellogg Cracking Furnace
(A) - To Repair #2 Cracking Furnace

7737 - Montebello Research Laboratory - To Install Lining in Generator - El Monte, Calif.

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TEXAS COMPANY, THE (Contd.)

7761 - Wilmington - To Renew Necessary Roof Tile and Repair Floor of Upshot Heater at H-M.L.V.

7945 - Wilmington - To Repair Roof Tile H-M.L.U. Upshot Heater
(A) - Neces. Repairs to Heater at #10 Reservoir
(B) - Neces. Repairs to #1 H.M.V.S. Heater - Labor only
(C) - To Repair Stack in #2 Crude Unit
(D) - Repair Heater at Crude Unit #2
(E) - Remove and Renew Portion of Lining in Regenerator F.C.C. Unit

7967 - Wilmington - Insulation Linings in Lines C8, C22A, and C22B - Fluid Cracking Unit

7968 - See Ofcco Construction Co., Inc. - Castaic, Calif. To Install Lining in One (1) Petro-Chem Heater

7976 - El Monte - Montebello Research Laboratory - To Install Lining in Generator
(A) - To Install Lining in Generator

8019 - Wilmington, California
Labor only to Renew End Walls of Paloma Unit #4
(A) - Labor only to Renew North Wall on #3 Crude North Pre Heater
(B) -

8237 - Wilmington - Repair Roof of B-3 Heater
(A) - Repair B-1 Heater
(B) - Repair Reactor Lining with Jetcrete Gun
(C) - Remove and Renew Portion of Lining in Regenerator F.C.C. Unit
(D) - Construct Brick Catch Basin At N. End of Bulk Ethyl Building
(E) - #4 Blr - #2 Blrhouse-Install 13" Brick Wall Seal in Cold Air Duct
(F) - Repairs to Boiler Furnace #4 at #2 Blr House-Labor
(G) - Repairs to Crude Still Furnace & Boiler #8

8269 - Montebello - Montebello Laboratory - Install Refractory Lining in One (1) Synthesis Gas Generator

8327 - See C. F. Braun & Co.
Wilmington - Construct Fired Heaters H-101 and H-102
(A) - Insulating behind Skirts on Vessels FC-20,101 102, 103 and 104

TEXAS COMPANY, THE (contd.)

8329 - See Petro-Chem Development Company, Inc.
Line One Petro-Chem Heater - Labor only

8372 - Montebello - Laboratory - Install Silicon Carbide Lining in Generator

8404 - Norwalk Tank Farm - Repair Field Boiler
Los Alamitos

8412 - Terminal Island - Brickwork Repairs to Boilers #1 & #2

8461 - The Texas Company - Wilmington
Repair Detrick Arch on B3 Heater in Catalyst Plant - Labor
(A) - Material only for B3 Heater

8470 - Montebello - Laboratory - Install Silicon Carbide Lining in Generator
(A) - Install Silicon Carbide Lining in Generator

8539 - Montebello - Tear Out and Replace Carborundum Sleeve in Reactor Furnace

8550 - See Petro-Chem Development Company Inc.
Const. & Service Division
Wilmington - Install Petro-Chem Iso-Flow Furnace Lining

8552 - Wilmington - Repairs to HMLU Upshot Heater

8575 - See Ofcco Construction Co., Inc.
Wilmington - Install Refractory Lining in One (1) Born Heater
(A) - Material to Complete Born Heater Lining

8583 - Wilmington - Labor Only to Repair Brickwork in B-1 Heater
(A) - Replace Lining of SK7 & KS4 over Welded Joints & Spot
(B) - Rpr Linings in #2 & #3 Blrs at #2 Boiler House

8587 - Wilmington - Los Angeles Works
To Apply Insulation to Interior Surface of Breeching from B-4 Heater to Stack at F.C.C.U.

8623 - Wilmington - Heater Furnace VPS#1 - Renew Lower Section of West Side Wall 6x23 ft; to Renew 6x23 ft. Curtain Wall; and Both Buttress Walls

TEXAS COMPANY, THE (contd.)

8673 - Wilmington - Repair #3 Crude South Preheater

8725 - Wilmington - Labor Only to Repair Brickwork and Insulation in HMLU Upshot Heater
(A) - Install Castable Refractory around Burners, Peepholes, and Access Doors on HC-2 Htr; & around Peephole in HC-1 Htr; at Furfural Unit
(B) - Repair BSP Heater
(C) - Renew Brickwork Floor of Vacuum Pipe Still #2

8726 - El Monte - Montebello Research Laboratory
Install Refractory Lining in Full Tube Generator

8757 - See Ofsco Construction Co., Inc.
Wilmington - Install Lining on (1) One Petro-Chem Heater

8849 - El Monte - Montebello Research Laboratory
Install Lining in Full Tube Generator

8861 - Wilmington - Repair VS Heater #1
(A) - Misc. Brickwork Repairs to #3 Crude Unit
(B) - Construct Brick Firewall at Rear of Shell Stills at #3 Crude Unit

8892 - Wilmington - Marine Department - S. S. "Illinois"
Labor Only to Renew Floor and Corbels in Starboard Boiler

8917 - Wilmington - Labor Only to Repair H-M.L.U. Heater
(A) - Furnish Labor Only to Repair Bigelow Tile in Regenerator -FCC Unit
(B) - Labor Only to Install Acid Brickwork in Pit at #2 Alky Plant Pump Base at #2 Treater
(C) - Labor Only for Neces. Repairs to US Heater #1

8952 - Wilmington - L. A. Works - #1 Kellogg Cracking Furnace - Installation of Peepholes

8996 - Montebello Research Laboratory - El Monte
Construct 2'-6" I.D. Synthesis Gas Generator Lined with Norton Refractory and Norton #33-I Alundum Castable

(A) - Furnish & Install Material in One (1) 2 cuft. Synthesis Gas Generator

THE TEXAS COMPANY (contd.)

9093 - Wilmington - Repair #1 VS Heater

9112 - Wilmington - Labor Only to Repair Roof Tile & Renew Fire Brick in North Wall of Economizer Section on H.M.L.U. Upshot Heater
(A) - Repairs to #1 U.P.S. Heater

9246 - El Monte, Montebello Research Laboratory
Install Thermocouple Openings in Existing Synthesis Gas Generator
(A) - Install Spinel Refractory Lining in Generator

9278 - Wilmington - Repairs to #B4 Heater at F.C.C.U.
(A) - Repair Boiler #7
(B) - Repair VSP Heater #2

9326 - Wilmington - Replace Roof Tile and Make Repairs at #2 Crude Unit
(A) - Repairs to LU Upshot Heater
(B) - ~~Brick-Stack-Lining~~ Renew 5' Sec. of Detrick Tile 15' wide x 6' high on Boiler

9374 - Wilmington - Labor Only to Repair B-4 Heater
(A) - Repair FCC Reactor

9428 - Terminal Island - Los Angeles Package Terminal
Repair Stationary Boiler #1

9481 - Montebello Laboratory - Brickwork Repairs to Fired Heater
(A) - Install Kromecast Lining in Generator
(B) - Install Alumdum Lining in 2 cu.ft. Generator

9483 - Wilmington - Furnish Labor Only to Install approx. 48 Tile in Roof of HMLU Heater. Point-up Balance of Brickwork

9574 - Montebello - Install Spinel Lining in Generator

9596 - Wilmington - Refractory Repairs
(A) - Repair #1 VPS Heater

9673 - Research Laboratories - Montebello
Insulate 2' x 25' long Tower

9731 - Wilmington - Repairs to VS #1 Heater

(contd.)

TEXACO, INC
TEXAS COMPANY, THE (formerly)

9760 Wilmington - Repairs to Regenerator
Repairs to Boiler #5

9802 THE Texas Company - Montebello Research Laboratory
Install Pipe Insulation and Aluminum Casing in Pipes as directed by Mr. Frank Guptil
(A) Cut Alundum Tube

1016 Wilmington - Repairs to HMLU Upshot Heater

1048 Wilmington - Repairs to Units #2 and #3

1159 Wilmington - Furnish Labor Only to Repair Vertical Bevel between 3rd and 4th Row Tubes in Boiler #1

1182 See Bechtel Corporation
Wilmington - Refrac. Linings and Fireproofing for Platformer

1293 - See Becco, Inc. - Wilmington
Refractory lining for Two Kellogg Heaters

1297 - Wilmington - Repairs to Monolithic Linings in FCC Reactor and in c8 & C13 Lines

1311 - Wilmington - Labor only to fireproof skirt inside & outside in Regenerator.

1381 - Wilmington - Necessary repairs to #3 Crude Unit

1421 - See Bechtel Corp - Wilmington - Renew Bull Noses on West Side of 3 South Cells
(A) - Renew Bull Nose on West Side of North Cell
(B) - Renew Bull Noses on West Side of 3 South Cells

1442 - Wilmington - Labor only to renew burner wall on #1 VS Heater

1478 - Montebello Research Laboratory - El Monte
Install refractory lining in Generator

1481 - See Southwestern Engr Company - (work done at SW Engr L.A. Plant) - Labor and material to line One (1) Tower

(Continued)

TEXACO, INC (Continued)

1556 - See Foster Wheeler Corp - Wilmington
Install refractory linings in F--W Fired Heaters
(A)- Labor & Material to Install 6" Hollow Tile on Fired Heaters #H1 & H2

1576 - Wilmington - Furnish labor only to Gunite #2HTU Heater

1579 - Montebello Research Laboratory - El Monte
Repair Fired Heater

1596 - See C. C. Moore & Co Engrs - Wilmington
Refractories & Insulation for B & W Boiler CO-22
(A)- Labor & Mat'l for Add'l Sodium Silicate in Furn. for 1' above the CO Ports to top of nose
(B)-Labor & Matl to remove & replace Ins where casing burnout
(C)- Labor & Matl to replace Ins. removed for leak

1650 - Wilmington - Labor and Material to Install Arch for V.P.S. #1 Heater

1596
(D)- Labor & Mat'l to repair refractory

2084 - Wilmington - Install Insulag in Two (2) Exchangers E2 at #3 H.T.U.

2126 - Montebello Lab - Repair Gas Generator

TEXACO, INC (Continued)

2282 - Montebello Laboratory
El Monte - Furnish labor and material for installing lihing in 2 Cu. Ft. Generator

2385 - See C. C. Moore & Co. Engrs
Wilmington
Install Castable Refractories at Six Boiler Tubes at each boiler side wall and arch floor to Upper Header in CO Boiler

2471 - Wilmington
Necessary repairs to Regenerator
(A) - Install castable refractory lining (2000 s.ft.) in FCC Reactor

2633 - Wilmington - Install Seal with Castable Refractories at Bottom of Grid

2697 - Wilmington - Repairs on #1VPS Heater

2748 - Wilmington
Repairs to Heater

2771 - Wilmington
Repairs to #10 Boiler at #2 Boilerhouse

2786 - Wilmington
Repairs to #2VS Heater

2795 - Wilmington
Repairs to #1 VPS Heater

2798 - Wilmington
Repairs in Generator at SCC Unit

2805 - Wilmington
Necessary repairs to C.O. Boiler

TEXAC O INC (Continued)

2850 - See C C Moore & Co
Wilmington
Repairs to C.O. Boiler
(A) - Premium Time

2914 - See C. C. Moore & Co. Engrs.
Wilmington
Labor and material to insulate where boiler tubes removed and replaced
(A) - Premium Time

2943 - Montebello Research Center
Furnish 2 Sets of Refractory liners for 2 cu.ft., Generator

2969 - Wilmington
See Wonderly Construction Co.
Fireproofing Columns and Beams

2982 - Wilmington
Repairs to #H-2 Furnace

3062 - Wilmington
Gunite 1" thick lining in #2 Tower V245 at HMLU Refinery

3082 - Wilmington
Repairs to #2 VPS Heater

3229 El Monte
Install lining in 2 cu. ft. generator

3312 Wilmington
Necessary repairs to #1 VPS heater

3441 Montebello
Install lining in synthesis gas generator
(Norton dwg #RB 17589)

TEXACO INC.

3451 Wilmington
Furnish labor and material to cur 14 peepholes in Foster-Wheeler Furnace

3513 Wilmington
Repair combustion chamber of B-1 Heater

3528 Wilmington
Repairs to B3 and B4 Heaters

3602 Federal Steel Corporation
Wilmington
Install red brick in 4 holes of west side of boiler house building

3651 Montebello Research Laboratory
Rebrick 2 cu. ft. generator

3678 Wilmington
Repairs to VPS #1 Heater

3706 Wilmington
Labor and material for refractory repairs to #2 boiler at #2 boilerhouse

3708 Wilmington
Necessary repairs to #2 VPS Heater

3761 Wilmington
Repairs to Regnerator

3803 Montebello
Rebrick 2 cu. ft. generator using K28 IFB and Norton 33I

3807 Wilmington
Necessary repairs to #2 VPS Heater

TEXACO INC

3921 Wilmington
Install acid resistant lining in splitter tower and steam condensate sump

3997 Montebello
Install lining in 3 cuft generator

4029 Wilmington
Repair #5 boiler, #2 boilerhouse

4061 Montebello
Install lining in 2 cu. ft. generator

4269 Wilmington
Repair IVS heater

4320 Wilmington
FLUOR CORPORATION, LTD.
Los Angeles
Install refractory lining in CR unit #3, reactors 1, 2, and 3
(A) Dryout of reactor lining

4509 Wilmington
Repair #3 still at #2 crude

4367 Montebello Research Lab.
Install sample lining in commercial size generator

4551 Wilmington
Brickwork repairs to #3 crude heater

4560 Wilmington
FOSTER-WHEELER
Houston, Texas
Install lining in 2 Texaco generators and
Floors in 7 fired heaters

4593 Wilmington
FLUOR CORP
Los Angeles
Install lining in Lummus fired heater
HC-101 and ductwork

4600 Wilmington
Repair H1 heater at HTU#3

4619 Montebello
Install lining in 2 cu ft generator

4636 Wilmington
Replace approx 108 sq ft of insulating
brick wall of south cell of box heater
at #2 CRU

4655 Wilmington
FOSTER-WHEELER
Repair heater 4204

4715 FLUOR CORPORATION
Wilmington
Repairs to heaters

4765 CHICAGO BRIDGE AND IRON CO
Salt Lake City
Wilmington
Install new refractory lining in upper
A) over section and plenum of FCCU regenerator

TEXACO INC

4765 A) Cyclone repair and dryout

4770 Wilmington
Repair #2 VS heater

4772 Wilmington
Repair #2 VPS heater

4817 Wilmington
Repairs to reactor

A) Repair lining in C8 catalyst line
B) Repair catalyst lines where lining not removed
C) Repair catalyst lines C22A, C22B and C23

4833 Wilmington
Install new lining in lower cone of regenerator beneath grid

4841 Wilmington
Repair #1 boiler

4985 Montebello Research Lab
Install Norton lining in VHP synthesis gas general
A) Install refractory lining in 2 VHP shift converters

5069 Wilmington
Repair Synthesis Gas Generator

TEXACO INC (Continued)

5157	"SS Texaco New York" Terminal Island Repair starboard boiler	(5/68)
5222	Wilmington Repair synthesis gas generator	(6/68)
5232	Wilmington Refractory repairs VPS # 2 heater	(6/68)
5299	Wilmington Repairs to "A" generator.	
5326	Wilmington Repair "B" generator	
5343	Wilmington Install refractory Lining VPS #1 heater.	
5410	Wilmington Necessary repairs to HG4301 and HG4401 heaters.	
5474	Wilmington Repair to Generator	12/68 W.O.
5503	Wilmington Repair "A" Generator	12/68 W.O.
5557	Wilmington Repair "B" Generator	1/31/69 W.O.
5605	Montebello Lab Repair synthesis gas generator	3/69 WFB
5615	Wilmington Repair regenerator cyclones	3/69 WO

TEXACO INC (cont'd)

5685 Wilmington 5/69
Furnish labor and materials to reline #3 crude unit stack WO

5764 Wilmington 6-23-69
Repairs to Generator

5820 Wilmington 7/31
9 Boiler renew first and second pass baffles and furnace floor

5908 Wilmington 9/26
Replace Gunite Lining in Vessel

5971 Wilmington 10/69
Repairs to "B" generator WO

6170 Wilmington 3/70
Repair # 5 boiler

6175 Wilmington
Repair to reactor

6184 Wilmington
Repair Detrick arch B4
Kellogg Htr

6186 Wilmington
Repair tank 17 Alkie
2 plant

6201 Wilmington
Repair Regenerator cone section and cyclone
A Repair C16 Line

6207 Montebello
Repair bottom of Synthesis Gas Generator

TEXACO INC (continued)

6279	Wilmington. Repair C8 Line	6/70
6295	Montebello Install lining in dust tunnel (per Norton Dwg. RB-23316)	6/70
6316	Wilmington Necessary support repairs on tank V-654	
6321	Wilmington Repairs on HF 302 # 3 reactor hydrogen heater	
A	Repair HF 301 # 2 Hydrogen heater	
B	Repair HF 300 # 1 Hydrogen heater	
6330	Wilmington Repair "B" generator	
A	Repair "A" generator	
6347	Wilmington Install insulation in high pressure vessel	
6356	Wilmington Repair H-2 Stripper tower.	
6366	Wilmington Reapir "A" Generator	
6429	Wilmington Repairs to brickwork #1 and #2 VPS Heaters	10/70
6441	Wilmington Repair hot oil system, circulating system heater	10/70

TEXACO, INC. (continued)

6515	Wilm. - Repair #2 asphalt crude still.	12/70
6627	Wilm. - Scaffold Rental	3/71
6639	Wilm. - Repair Regenerator and Reactor	3/71
"A"	Wilm. - Repair C10 Line	3/71
6643	Monte - Repairs to Synthesis Gas Regerator	3/71
6662	Wilm. - Repair "A" Generator	4/71
6676	Montebello - Repair 20" ID Generator	4/71
6764	Montebello - Repairs to 6' Diameter Generator	6/71
6788	Wilmington Repair "B" Generator	7/71
6801	Wilmington Install Crystal, Silica Sand, and Lumnite Cement in Bottom Half V-1008 Vessel	7/71
6834	J T Thorpe + Son Inc. (Emeryville) Combustion Engineering Inc. (Orange) San Ardo, California Repairs to "A" Type Boiler	8/71
6844	Wilmington Repair CO Boiler	8/71
6881	Wilmington Repairs to "A" Generator North	9/71
6884	Wilmington Repair Combustion Section of HTU2 F101 Heater	9/71
6898	Wilmington Repair H2S Stripper	10/71

TEXACO, INC. (Continued)

6974	Wilmington Repair #2 Still at #2 Crude Unit	12/71
7027	Wilmington Repairs to C-10 Line	1/72
7037	Wilmington Repair #5 Boiler	1/72
7050	Wilmington Repairs to C10 Line	1/72
7057	Wilmington Repair "B" Generator	2/72
7066	Wilmington Repair Reactor Grid	2/72
7154	Wilmington Repair "A" Generator	4/72
7208	[illegible]	[illegible]
7211		
		5/72
"A"	Repairs to C22 Flue gas line	
	Repairs to regenerator cyclone linings.	5/72
	Regenerator wall.	
	Repairs to reactor stripper External lining on reactor Distributor-Grid support pipes	5/72
		6/72
"B"	Reline conical vestibule below waste heat boilers	
	Reline floor of elbow between waste heat boiler and precipitator.	
	Reline floor of entrance plenum to precipitator.	

TEXACO INC° (continued)

7277 Wilmington
Repairs to #2 still and #2 crude unit 7/14

7321 Wilmington
Repairs to convection section over heaters #301, 302, 303.

7383 Wilmington
Necessary repairs to cell #2 on #1 heater. 10/72

7452 Wilmington
Repair concrete and brickwork acid truck loading rack. 12/72

7523 Wilmington 1/73
Repair #5 Boiler.

7649 Ralph M. Parsons 4/73
Refractory Lining Sulfur Recovery Unit

Ralph M Parsons
7698 Long Beach
Refractory lining sour water stripper column. 5/73

7713 Carson
Refractory linings furnaces 17-1401, 17-1402, Hudrogenation 11-1201 and Reducing Gas Generator 11-1401.

7803 Long Beach
Necessary repairs to furnace 8/73

7846 Wilmington
Repairs to "B" generator 9/73

7858 Wilmington
Necessary repairs to H25 stripper 9/73

TEXACO INC. (Continued)

7859	Wilmington Repair H-3 heater	9/73
7860	Wilmington Repairs to H-1 and H-2	9/73
7866	Wilmington Repairs to UPS #2 heater	9/73
7877	Long Beach Necessary repairs to F603 incinerator	9/73
7881	Redman Corp Torrance Line channel head of E732	9/73
7887	El Paso, Texas CO Incinerator	9/73
8005	Wilmington Repairs to "A" Generator lining - HGU	12/14
8022	Long Beach Repairs to incinerator	12/73
8055	Wilmington Renew hex steel and refractory lining C10 reactor charge line	1/74

TEXACO, INC (Continued)

8062	Wilmington Repairs to reactor lining	1/74
1	C8 regenerator charge line	
2	B1 air preheater	
3	Lean oil tower	
4	Labor and matl metal parts to expansion joints in C10 line	
5	Metal repairs to C10 line labor only	
8066	Wilm Repairs to #1 heater at #3 Crude	1/74
8075	Ralph M Parsons Long Beach Repairs to sour water stripper #16-1101	2/74
8089	Wilm Repairs to the regenerator cyclone	2/74
A	Repairs to regenerator walls	
B	Install AA22 in two slide valves	
8091	Wilm Repairs to Boiler #1	3/74
A	Repairs to Boiler #3	
8112	Wilm Labor and matl CO boiler repairs	2/74 L
A	Repairs to plenum of CO boiler	
8229	Long Beach Repairs to #700 incinerator	4/74

TEXACO INC (Cont)

8304	Long Beach Repairs to H601B boiler and H602 donkey boiler	6/74
8355	Long Beach Repair rental boiler	7/74
A	Repair H751 boiler	
8401	Erie City Boiler M & Patten Co Wilm Repair Erie City Boiler	8/74
A	Additional repairs to boiler	
8420	Wilm Repair #1 boiler	8/74
8422	Bragg Crane Wilm Install new burners in Texaco born up flow heaters	8/74
8432	Long Beach Repairs to waste heater F751 at No. 750 SRU	8/74
8469	Wilm Repairs to HF301-A CF Braun Heater	9/74
8492	Repairs to VPS #1 & V Heater #1	9/74
8519	Fireproofing V-609 at Crude Unit #1	10/74
8547	Long Beach Nec repairs to #301 Boiler	11/74
8641	Wilm Nec repairs to "A" Generator	1/75
"A"	Nec repairs to "B" Generator	

TEXACO INC

8702	Long Beach - Nec repairs to Burner Chamber for Lime Burner.	2/75
8736	Wilm. - Nec Repairs to HF300 Heater	3/75
8743	Long Beach - Repairs to H-301 Reaction Furnace	3/75
8799	Wilm-Repairs to Reactor	4/75
"A"	R epairs to Regenerator	
"B"	Repairs to Regenerator Cyclone	
"C"	Repairs to the C22 Lines	5/75
"D"	Repairs to the FCC Unit Water Seal Tank	
"E"	Repairs to C8 Line	5/75
"F"	Repairs & Sandblast Dip Legs of Reactor	6/75
"G"	Repairs to C-9 Line	6/75
8853	Long Beach Nec Repairs F-603 Incinerator; H601 Boiler	6/75
8862	Wilm-Nec Repairs to Heaters H1 & H2	6/75
8907	Wilm-Repair North Curtain Wall #1 Heater at #3 Crude Unit. Repair Roof in H1 & H2 Heaters at HTU #3 Unit.	7/75
8932	Wilm-Nec Repairs toBoilers 1,2,&3, Boiler House	8/75
8953	Cleveland Erectors - Wilm Repair HC100 Heater	8/75
8969	Wilm-Nec repairs to HTU #2 Unit, #SD101 Heater	9/75

TEXACO INC

9010	Long Beach	10/75
	Repairs to F310 Incinerator, H301 Boiler & F303 Lime Burner	
9098	Wilm - Acidbrick Repairs to Truck Loading Rack	1/76
9130	Long Beach - Repairs to #2 Rental Boiler at the Sulfur Plant	1/76
9135	Long Beach-Nec Repairs to F703 Incinr.,	1/76
9182	Wilm - Repairs to "B" Generator	3/76
"A"	Repairs to "A" Generator.	
9184	Wilm-Repairs to the HCU-HS302 Heater	3/76
9193	Wilm-Replace Four Burner Arches #7 Boiler	3/76
9270	Carson-Repair #600 Incinerator	6/76
9263	Wilm-Remove & Replace Burner Tile #8 Boiler	6/76
9273	Wilm-Repairs to #601 Waste Heat Boiler Sulfur Plant	6/76
9287	Carson-Nec Repairs to Shipley Boiler	6/76
9310	Wilm-Repairs to #2 Crude Fresh Feed Heater	6/76
9316	Snelson Inc-Anacortes, Wash	6/76
	Refr. Repairs During FCC Turnaround	
"A"	Extra Work	

TEXACO INC

9363	Wilm - Nec Repairs to "B" Generator	7/76
9405	Wilm - Repair Waste Boiler	8/76
9420	Wilm - Repairs to Kellogg Heater	8/76
9433	Wilm - Nec Repairs to #1VPS Unit	9/76
9475	Wilm - Repairs to Refractory Lining at FCCU	10/76
"A"	Repair C-9 Slide Valve	
"B"	Waste Heat Boiler & Tube Sneets (2 units)	
9544	Wilm - Lime Tank Alky Plant	11/76
9666	Wilm - Repair VPS #2 Heater	2/77
9726	Wilm - Nec Repairs to "H" Generator	4/77
9748	Wilm - Repairs to Deproponiler V-1008FF-318	4/77
9962	Wilm - Repairs to #3 Crude Unit	9/77
"A"	Extra Work	
9989	Wilm - Firebrick Lining VPS #1 Heater Stack	9/77
9990	Wilm - Fireproofing VPS #1 & #2	9/77
10024	Wilm - Repairs to H2S Stripper Tower	10/77
"A"	Repair HTU-3 H2S Stripper Heater	
10005	Wilm - Fabricate & Line 2 Burner Shells	9/77
10050	Wilm - #2 Treater-Install Gunite on Vessel Skirts.	10/77

TEXACO INC

10058	Bragg Crane & Rigging - Wilm Scaffold the Regenerator of the FCC Unit	11/77
10066	Wilm - Brick Installation to 2 Burner Shells for SRP 200 Unit.	11/77
10288	Wilm - Nec Repairs to Move & Replace Lining on the B Generator	3/78
10326	Long Beach - Refractory Repairs to Burner Wall of South Erie City Boiler	4/78
10347	Montebello - Install Refractory Lining in 5' Syngas Generator.	5/78
"A"	Extra Work	
10397	Long Beach - Install Gunite Lining in Coaliser V-1279	6/78
10445	Montebello - Install Refr. Lining in High Pressure Solids Gasifier.	7/78
"A"	Extra Material and Labor	
10485	Wilm - Repairs to SRP 750-U Waste Heat Boiler	8/78
"A"	Install Lining in Elbow & Manway	
10493	Wilm - Reline the C8 Line	8/78
"A"	Make General Repairs to FCC Unit	
"B"	C8 Line	
"C"	Regenerator Cyclone	
"D"	B1 Air Heater	
"E"	C22 Line	
"F"	C10 Line	

TEXACO INC (Cont'd)

10745	Wilmington- Nec. repairs to H301 Heater	1/79
10823	Montebello- Install text panels in 5Ft. syngas generator	3/79
10925	Montebello Research Lab/South El Monte Repairs to gasifier	5/79
10946	Wilmington - Nec. repairs to 'A' generator	5/79
10949	Wilmington - Refractory lining for two line burners.	5/79
11010	Wilmington Repairs to 'B' Generator	6/79
11054	So El Monte Remove test panels and replace with new lining in experimental gasifier	7/79
11146 C	Repairs to CRU 2 limit F301 A & B	
D	Repairs to coker heater furnace	
11228	Carson Sandblast inside SRP300 unite convertor V-1268 and install reinforced gunite liner	10/79
11250	Montebello Repairs to high presser solids gasifier	11/79

11512	Wilmington Repairs to Cru #1 and Cru #2 heaters .	4/80
11536	Long Beach Repairs to the F703 incinerator	4/80
11582	Long Beach Nec. repairs to north erie city boiler	5/80
11601	Wilmington Repairs to A & B ~~gxxx~~ generators	5/80
11647	Wilmington Repairs to VP's #2 heater	6/80
11659	Long Beach Nec. repairs to H601 incinerator	7/80
11738	Long Beach Repair waste heat boiler & stack ~~Incxxxtor~~ Incinerator	8.80
11748	Wilmington Install gunited lining waste water oxidizer #1 accumulator drum #V189	9/80
11791	Wilmington Tearout lining on one of four end walls in HC-101 coke heater	9/80 JEA

11845 Wilmington 10/80
Repair to sidewall in VPS #2 heater

11846 Long Beach 10/80
Repairs to F303 incinerator

11849 ASSOCIATED PIPING & ENGINEERING
Compton, CA 10/80
Install refractory lining in one RCN
expansion joint assembly

11862 Wilmington , 11/80
Necessary repairs to VPS #1

11910 Long Beach 12/80
Repairs to erie city boiler CO

11926 Wilmington 12/80
Replace gunite lining in H2S
stripper tower V-763

11927 Wilmington 12/80
Repairs to Foster Wheeler CO
heater #3

11942 Wilmington 12/80
Repairs to H-1 heater

11985 Wilmington 1/81
Remove and replace damaged refractory
in "A" generator

12005 Long Beach 2/81
Necessary repairs to waste heat
boiler

12058	Wilmington Gunite inside of V647 & V652 WWO #3	3/81 RCN
12060	PATHWAY BELLOWS Carson Yard Install refractory lining in three expansion joints	3/81 RCN
12075	Carson Yard Line two secondary combustion chambers	3/81
12096	Long Beach Repair H701 waste heat boiler and incinerator	4/81
12112	Wilmington Repairs to cat cracker FCCU	4/81

12112

A	Renerator Cone, Walls, Plenum
B	Regenerator Cyclones
C	C-8 line
D	B-1 heater (Air)
E	C-22 lines
F	C-9 & C-10 lines
G	Reactor walls and cyclone stripper
H	C-23 A & B waste heat boilers to precipitators
J	CO boiler and seal pot
K	Fireproofing ALL ABOVE COST PLUS
L	Additional repairs to cat cracker FCCU

12159	Wilmington Repair acid dump foundation #2 treater.	5/81
A	Remove and replace base pumps	

12184	Wilmington Supply and install 3" z. Block veneer on endwalls of feed preheat furnaces B3 & B4	5/81 JEA
A	Supply and install stainless steel baffle platese and Z-pleat modules in header boxes	6/81
B	Misc. repairs to B304 furnace	
12228	B & W CONSTRUCTION CO/ Wilmington, CA Labor only refractory repair C9 slide valve	6/81
12253	Long Beach, CA Necessary repairs to sulfur plant	7/81
12322	Long Beach, CA Repairs to waste heat boiler	8/81
12462	Wilmington., CA Repair ~~x~~ Cat Cracker	12/81
12545	Wilmington, CA Reline "A" generator	2/82
A	Reline "B" generator	

12624 Wilmington, CA 4/82
Repairs to flare stack

12877 Wilmington, CA 11/82
Repairs to generator

12897 PATHWAY BELLOWS/Ft Carson Yard
Install lining in one expansion joint 12/82 RCN

12930 OMARA & ROGERS CONST CORP
Wilmington, CA 1/83
Install acid brick in sump

12938 Wilmington, CA 1/83
Repairs to generator

13059 Wilmington, CA 5/83
Repairs to Cru #3

13143 Wilmington, CA 8/83
Repairs to "A" generator

13253 Daggett, CA 11/18
Install refractory lining in Texaco Coal Gasification unit and in radiant cooler

13263 Montebello, CA 11/30
Reline spare 60" low pressure gasifier

TEXACO INC

13427	Wilmington, CA Brick 5 Manways on H601 Waste Heat Boiler	4/84
13430	Carson Yard Furnish & Install Refractory Lining in #C10 Line and Seal Tank	4/84
13438	Long Beach, CA - Sulfur Plant Repair to Front Wall H-751 Waste Heat Boiler	4/84
13477	Long Beach, CA - Sulfur Plant Repairs to H701- Waste Heat Boiler	5/84
13480	Long Beach, CA - Sulfur Plant Repair F-703 Incinerator and Stack	5/84
13509	Long Beach, CA - Sulfur Plant Repair Converter #700 Unit	6/84
13561	Long Beach, CA - Sulfur Plant Repairs to # H751 Furnace	7/84
13613	Bragg Crane, Wilmington, CA Repairs to Cruz Unit	9/84
13719	Wilmington Ca Repairs to Fccu C-10 Header	11-84
13748	Wilmington Ca Inventory HGU	12-84
13749	Long Beach - Sulfur Plant Repairs to Erie City Boiler	12-84

TEXACO INC

13789	Wilmington Repairs to 'B' generator	1/85
13839	Wilmington Repair fireproofing on FCCU structure	2/85
14397	Wilmington Refractory repairs to gas generator	7/86
14544	Wilmington Repairs to 'A' generator	12/86
14770	**Wilmington, CA** **Check Material Inventory for Hydrogen Reactor**	**7-10-87**
14981	**Wilmington, CA** **Repairs to "B" Generator at HGU Complex** A - 2/1 Repairs to Generator A	**1-21-88**
14982	**Wilmington, CA** **Refractory Repairs on Heater H1, H2 and H3**	**1-25-88**
14983	**Wilmington, CA** **Fireproofing Unit #3 Hydrotector**	**1-25-88**
14993	Wilmington, CA Refractory repairs to 3 DCU accumulator vessels	2-8-88
15185	Wilmington, CA 'A' Generator	9-6-88

TEXACO LAB

11406	South El Monte Repairs to experimental gasifier	2/80
11519	South El Monte Nec. repairs to experimental gasifier	4/80

TEXACO RESEARCH

10872	South El Monte – Repairs to gasifier	3/79
11089	El Monte – Nec. repairs to the 4'6" gasifier	8/79
11134	Montebello – Repairs to gasifier	8/79
11618	Montebello Reline gasifier	6/80
11812	Montebello Repairs to gasifier	10/80
11946	South El Monte Repairs to gasifier	12/80 CO
12020	Montebello Repairs to low pressure gasifier	2/81
12083	Saugus Repair #2 glass furnace	3/81
12126	Montebello Repairs to high pressure gasifier	4/81
12162	Montebello Line 60" dia. low pressure gasifier	5/81

TEXACO RESEARCH LAB

12365	Montebello, CA Line new slag pot	9/81
12435	Montebello, CA Line new gasifier	11/81
12706	Montebello, CA Repair low pressure gas fire	6/82
13139	Montebello, CA Repair #3 gasifier	8/83
13395	**Montebello, CA** **Repairs to Gasifier**	**3/84**
13623	Montebello CA Pump Hot Spot Gasifier	9/84
13672	John Veillion/Texaco Research Montebello CA Pump Void Hot Spot in Gasifier	10/84
13722	Montebello Ca Install Cease Fire in # 1 Gasifier	11-84
13734	Montebello Ca Repair Gasifier	12-84
13804	Montebello, CA Install cease fire in gasifier	1/85
13839	Wilmington, CA Repair fireproofing on FCCU structure	RCN 2/85

TEXACO RESEARCH

13936 El Monte
Install cease fire HP2 Gasifier. 5-85

13987 Montebello
Pump Alum castable into gasifier 6-85

14023 Montebello
Install new lining in gasifier 7-85

14242 Montebello
Pump gasifier 2-14-86

14353 Alameda
Install refractory lining
3rd stage reheater 6-9-86

14621 Carson Yard
Cut brick 2/87

14986 Montebello, CA
Reline High Pressure Generator 1-27-88

TEXAS GULF SULPHUR COMPANY

9354 - Sudbury, Ontario, Canada - Supply Design and Material for One (1) Waste Gas Incinerator

TEXAS PUP INC

11638	J T THORPE COMPANY Houston, Texas Design and construct normalizing furnace	6/80 WRS

TEXAS STEEL & WIRE CORP

~~9357 Fontana — Design & Construct 7/76~~
~~Galvanizing Kettle~~ Cancelled 6/77

TEXAS TERRITORY JOBS

4153 - (See T-501)
Standard Oil Company of La. - Baton Rouge, La.
Acid Brickwork

4193 - (See T-502)
Mahr Manufacturing Company
Union Tank Car Co. - Baton Rouge, La.
Brickwork - One (1) Car Type Furnace

4317 - (See T-503)
The Texas Company - Houston, Texas
~~Rebricking~~ Two (2) Kroschell Boilers in Battery

4381 - (See T-504)
Superior Oil Company - Conroe, Texas
Aertite C. E. Boiler Settings

4440-T - (See T-505)
Shell Oil Company, Inc. - Houston, Texas
Acid Brick Lining One (1) Rectangular Tank

4441-T - (See T-506)
The Fluor Corporation, Ltd.
The Texas Company - Berwick, Louisiana
Bateman Lake Cycling Plant
Boiler Brickwork

4442-T - (See T-507)
The Texas Company - Berwick, Louisiana
Petro-Chem Heaters

4450-T - Kinzbach Tool Company - Houston, Texas
Tool Furnace

4458-T - Hughes Tool Company - Houston, Texas
Aircraft Strut Division
Mahr Shell Heating Furnaces

4468-T - (See T-510)
Shell Chemical Co. - Houston, Texas
Repair Acetone Furnaces

4822-T - (See T-511)
Superior Oil Company - Conroe, Texas
Lake Creek Recycling Plant
Boiler Covering Repairs

4823-T - Dickson Gun Plant - Houston, Texas
(T512) Hughes Tool Company, Operator
(contd.)

TEXAS TERRITORY JOBS (contd.)

4823-T - (contd.)
Reline Two (2) Furnace Cars on Mahr Car Type Normalizing Furnace #5 in Casting Shop

T-5000 - (See T-513)
J. T. Thorpe, Inc. - Houston, Texas
Office Expense

T-5048 - (See T-514)
Jefferson Lake Sulphur Company, Inc.
Long Point, Texas - B. & W. Boiler Enclosure

T-5065 - Brown Shipbuilding Company - Houston, Texas
(T-515) Boiler Settings

T-5273 - (See T-516)
Tin Processing Corp. - Texas City, Texas
Two (2) Boiler Enclosures on Combustion Engineering Company Boilers

T-5282 - (See T-517)
Kinzbach Tool Company, Inc. - Houston, Texas
Reline One (1) Carburizing Pot Furnace and Brick Up One (1) Welding Platform

NOTE: SEE HOUSTON OFFICE JOB BOOK FOR BALANCE OF JOBS. (NO LOS ANGELES OFFICE JOB NUMBER ASSIGNED TO THEM, JUST HOUSTON OFFICE JOB NUMBER.)

THACKER ALUMINUM

(FORMERLY VULCAN MATERIALS)

VULCAN MATERIALS COMPANY

	Corona	
7316	A and M Division Construct afterburner system	
A-	Supply N. Amer. Equip.	9/72
B-	Supply Garden City Fan	11/72
C-	Install blower	11/72
7538	Corona Furnish and install Refractory lining on #4 Furnace.	1/73
7760	Corona Furnish labor plus equipment to install oil ratiotrol system	
8139	Corona Installation of refractories in new OH_2 furnace #2 Furnace	3/74
A	Extra ~~heat~~ material	
8210	Corona Refractory materials for No. 1 furnace	4/74
A	Installation of refractory materials	
B	For 1 steel shell & installation	
8710	APROS - Benton, Arkansas	2/75
"A"	(1) Special 80,000# Alum Melting Furnace Lining for Dryer, Combustor Collector & Misc Ducts & Chutes	
9815	Corona Remove Floor #2 Furnace	1/77
9912	Corona - Repair OH #1 Furnace	8/77
10313	Corona - Nec Repairs to Melting Furn.	4/78

VULCAN MATERIALS COMPANY

10419	Corona – Repairs to #1 Melter	7/78
10437	Corona – Repairs to 40H Furnace	7/78
10588	Corona – Repairs to #1 Furnace	10/78
10704	Corona – Rebuild Dryer Afterburner	12/78
10736	Corona–Paint inside of stacks	1/79
11221	Corona Replace dividing wall #3 furnace	10/79
11452	Corona Fabricate and install new grid burner on plant afterburner	3/80, RPA
11706	Corona Rebuild dividing wall in reverb	8/80
11770	Corona Repairs to #1 Imelter furnace	9/80
11936	Corona Repair dryer	12/80
11998	Corona Repair #3 reverb furnace	2/81
A	Extra labor and material	
12185	Corona Repair #4 furnace	5/81
A	Furnish material	

VULCAN MATERIALS COMPANY

12342 APROS/Carson, CA 9/81
Furnish labor amd material to install refractory lining in one delacquering system RCN

A Modify one section of duct

12534 Corona, CA 1/82
Repair north wall #1 melting furnace

12695 Corona, CA
Repairs to #1 reverb 6/82

12838 Fontana, CA 10/82
Repair #4 furnace

12871 Corona, CA 11/82
Repair #1 furnace

13027 Corona, CA 4/83
Repairs to #1 furnace

13332 Corona, CA 1/24
Repair #1 Melter

13730 Corona Ca 11-84
Repairs to #2 Melter

14438 Corona 9/86
Replace roof #2 Melter

VULCAN MATERIALS

13892	Corona # 1 Furnace Repairs	3-85
13958	Corona Repairs to #2 melter	5-85
13996	Corona Repairs to #1 remelt A- Repairs to #1 remelt	7-85
14168	Corona To replace lining in OH-4 Furnace	12-85
14370	Corona Repair to #1 Melting Furnace	6-26-86
14438	Corona Replace Roof #2 Melter	9-10-86
14471	Corona Repairs to #4 Reverb	10/86
14536	Corona Repairs to #2 Melter	12/86
14591	Corona Repair #4 furnace	1/87
14623	Corona Repairs to DH-1 furnace	2/87
14673	Corona Repairs to OH-2 heater	3/87
14707	Corona Repairs to OH-4 furnace	5/87
14735	Corona Repairs to OH-1 furnace	6/87
14749	Corona Upgrade dryer recorder controller	6/87

(FORMERLY VULCAN MATERIALS (Corona) (THACKER ALUMINUM)

14751	Repairs to OH-4 Reverb	6/87
14752	Corona Repair gas generator	6/87
14800	Corona, CA Repair OH2 Furnace	8-6-87
14819	Corona, CA Repairs to OH Floor	
14849	Corona, CA Repairs to OH-1 Furnace	9-28-87
14907	Corona, CA Necessary Repairs #4 Open Heatth Furnace	11-17-87
14933	Corona, CA Repairs to OH2	12-9-87
14966	Corona, CA Gunite OH1 Furnace	1-6-88
14999	Corona, CA Repairs to OH4 Furnace	2-10-88
15031	Corona, CA Repairs to OH2 Furnace A - 3/28 Repairs to front wall of dryer	3-24-88
15060	Corona, CA Repairs to OH1 Furnace	4-22-88
15081	Corona, CA Necessary repairs to OH4 Furnace	5-25-88
15108	Corona, CA Clean & gunite #2 melter	6-23-88
15141	Corona, CA Repairs to OH1 Furnace	7-15-88

THAGARD RESEARCH CORP.

14243	**Costa Mesa** **Design &** Construct **Waste Material Melter**	**2-17-86**
14600	Carson Yard Rebuild waste incinerator	2/87

THATCHER GLASS MFG. CO INC

2970 - Saugus, Calif.
Refractory construction New Glass Melting Furnace

(A) - Construct Arch Centers

(B) - Gunite Furnace

3676 Saugus
Repair #1 Glass Tank

3817 Saugus
Gunite regenerator in #1 Tank

4048 Saugus
Rebuild #2 tank

4184 Saugus
Insulate side walls of regenerator by guniting

4620 Saugus
Repair #3 glass tank

(A) Repair forehearth furn

4780 Saugus
Repair forehearth of #2 furnace

4932 Saugus
Repair Doghouse Furnace #1

5042 Saugus
Repair #2 Glass Tank

A) Repairs to Forehearth

5435 Saugus
Rebuild glass melting furnace. 11/13 HWB

'A' Repair Forehearth

5520	Saugus Repair #12 forehearth of #1 furnace	1/69 WO
5631	Saugus Install 1" thick insulation on side wall #1 regenerator	3/69 WO
6520	Saugus - Repair #2 Glass Tank	12/70
6595	Saugus-Repair #1 Furnace due to Earthquake Damage	2/71
"A"	Fireproofing	
6600	Saugus-Rebuild #3 Furnace due to Earthquake Damage	2/71
"A"	Fireproofing	
6614	Saugus - Repair #2 Furnace	2/71
"A"	Steel Protection + Insulation	
7423	Saugus Rebuild of meler	11/72
8592	Saugus Repairs to #1 Glass Tank	12/74
8630	Saugus Hot patch #3 furnace	1/75
9136	Saugus-Repair #3 Glass Tank	1/76
9238	Saugus - Insulate Walls of Regenerator of #3 Furnace.	4/76
"A"	Insulate Walls of Regenerator #1 Furnace	
9367	Saugus - Dismantling & Repair #2 Furnace	7/76
"A"	Fireproofing to #2 Furnace.	

THATCHER GLASS

9743	Saugus - Install Insulation under Floor around #2 Furnace.	4/77
"A"	Repairs to Crude Heater CH-1	
9967	Saugus - Repairs to #2 Furnace	9/77

~~XXX~~

11439	Saugus Rebuild #2 furnace	2/80 HWB
11526	Saugus Insulation fireproofing inventory and other misc. jobs	4/80 EF
A	Hot repairs on #2 furnace	4/80
11556	Saugus Shop #36	5/80
11696	Saugus Hot patch to #2 furnace regenerator	7/80
12083	Saugus Repair #2 glass furnace	3/81

THE DOE RUN COMPANY, Boss, Missouri

15135	Boss, MO Engineering design of one 100TPD lead furnace	7-11-88

THERMAL REFRACTORIES COMPANY

3413 San Pedro
"SS Sophie C"
Repairs to refractories on boilers

THERMODYNAMICS CORPORATION

	2677	See Clyde Berg & Associates Salt Lake City, Utah (Helper) Supply & Construct One (1) Vertical Char Retort
CANCELLED	3256	Helper, Utah Design and construct conveyor retort burner

THERMO PRODUCTS DIVISION

3550	Poly Industries Pacoima Repair heat treating furnace

THOMAS INDUSTRIES

8717 - Los Angeles - Brickwork Repairs to Glass Lehrs

THOMAS MACHINERY COMPANY

2655 - City of Vernon
To Insulate Evaporator Equipment
(Job Turned over to Marine Eng. & Supply Co.)

THOMAS, T. E., PLUMBING & HEATING COMPANY

2152 - U. S. Veterans Hospital - Tucson, Arizona
Four (4) 72" x 18'-0" HRT Boilers

THOMPSON TANK & MFG CO INC

1360 - Neville Chemical Corporation - Anaheim
Lining Heater

5045 Los Angeles
Stauffer Chemical Co
Henderson, Nevada
Install acidproof lining in vessel

10953 Neville Chemical Co. - Anaheim - Repair oil heater 5/79

THOMPSON DIE CASTING INC

2402 - Burbank
Repair Kux Machine which is part of
Melting Pot

THOMSON PLUMBING & HEATING COMPANY

2968 - See Fred S. Renauld
State Teachers College - Flagstaff, Arizona
One (1) Erie City Boiler

THORNWALL TELEPHONE EXCHANGE

2609 - See J. Hokum Company
Insulation and Brickwork - Ideal Boiler

THORPE, J. T., COMPANY

8579 - The Fluor Corporation, Ltd.
Texas Butadiene & Chemical Co., Houston, Texas
Refrac. & Insul. Linings for ~~Seven (7)~~ Fourteen (14) Butadiene
Reactors - Engineering & Detrick Sale - L. A. Office
(A) - Engineering Only for Waste Heat Boiler Linings
(B) - Material for Waste Heat Boiler Linings

8677 - The Fluor Corporation, Ltd.
Caribbean Refining Corporation, San Juan,
Porta Rica - Supply One (1) Hot-gas Bypass Valve

8777 - The Fluor Corporation - Purvis, Mississippi
Design and Construct One (1) Hot Gas Bypass Valve

9569 - J. T. Thorpe Company
The Fluor Corporation, Ltd.
Odessa Butadiene Company, Odessa, Texas
Engineering & Expenses Butadiene Reactor Repairs

2209 - Fluor Corporation - Tilden, Texas
Design and Construct Hot Gas Bypass Valve

2399 - The Fluor Corporation
Great Northern Oil Co - Pine Bend, Minn.
Sulfur Recovery Unit

3560 Ralph M. Parsons Co.
Phosphate Chemicals, INc.
Sulphuric Acid Plant-Furnish & install acid
proof refractories

3557 Beaumont Wells Works
Houston Texas
Engineering for forge furnaces for
Beaumont Well Works and furnishing TWO
MSA Detrick Arches.

4080 Houston, Texas

4080

(A) Install refractory linings in oxygen preheater and $TiCl_4$ preheater

NO. 801-11R U.S.A.

J T THORPE COMPANY (Continued)

5008 Ralph M. Parsons Co
Houston Chemical Co
Beaumont, Texas
Construct one lead reverberatory furn.

5260 Fluor Corporation
Marathon Oil
Burghausen, Germany
Engineering study Wulff Process
Furnaces (7/68)

5579 C.F. Braun (Alhambra) HWB
American Cyanamid (Savannah, Georgia) 2/13/69
Labor & Material to Construct Two
Chlorinator Linings

5776 C F Braun 6-27-69
American Cyanamid
Savannah, Ga.
One lot 24" Refractory linedspray cooler ducts.

5956 Houston 10/20
Standard Steel Houston
Brown + Root
Furnace Lining

6388 Fish Engineering (Houston) 9/70
Panhandle Eastern Co (Kansas City, Mo.)
Design fume incinerator

J T THORPE COMPANY (Continued)

6568	Houston - Shell Oil Company-Houston Tailgas Incinerator - Grid Burner	2/71
6737	Fluor Corp (Los Angeles) Mobil Oil Corp (Beaumont, Texas) Refractory Lining for New FCC Unit	6/71
6837	Pan Handle Eastern Pipeline Aledo, Oklahoma Repair Waste Gas Incinerator	
"A"	Engineering Services	8/71
6848	M W Kellogg Company Standard Oil Company Pascagoula, Mississippi Reactor Dryout	8/71
6846	Great Lakes Carbon Corp Port Arthur, Texas Water Cooled Stack Breeching Damper	8/71
7189	Great Lakes Carbon Corp Port Arthur, Texas Engineering and Materials for Detrick Arch and Walls for #3 Calciner	5/72
7887	Texaco Inc. El Paso, Texas Co incinerator	9/73
9087	RALPH M PARSONS/ECOL Garyville, La. - Furnish & Install Refractory Linings for Sulfur Recovery Unit.	12/75

J T THORPE COMPANY

9593 C F BRAUN/MOBIL OIL - Beaumont, Tx
FCC Expander Turbine facilities 1/77

10329 SELAS CORP/AMERICAN CYANAMID 4/78
Westwego, Louisiana - Install Refractory
Lining in Reformer Furnace

11194 REYNOLDS METALS- Baton Rouge
Modifications to #4 coke calcining 10/79
kiln incinerator HWB

11377 Houston 1/80
Pick-up and ship dense alunaum RCN
brick for Texaco generator

11435 GREAT LAKES CARBON HWB
Port Arthur, Texas 2/80
Detrick Arch for settling chamber

11638 TEXAS PUP INC 6/80
Houston Texas WRS
Desgin and construct normailizing
furnace

11655 CONALCO
Lake Charles, LA 7/80
Design and construct coke HWB
calcining afterburner

J T THORPE COMPANY

12236	CON-RAD INDUSTRIES INC/C F BRAUN/	
	SHELL OIL- Wilmington, CA	6/81
	Install refractory lining in inlet vestibules in 8 sulfur condensers	RCN

13071	GREAT LAKES CARBON	
	Port Arthur	HWB
	Flue system and water cooled dampers for kilns #, #4 & 5	6/83

J T THORPE INC.

1500	Wilmington Office-Harbor Overhead	4/49
2677	New Offices-948 E. 2nd St., Los Angeles	
4162	New Building at 948 E. Second St., Los Angeles	
7582	Los Angeles-To Remodel Warehouse	
A-	Moving Material out of Warehouse	
B-	Wrecking Floor	
C-	Excavation	
D-	Brick Walls	
E-	Dirt Fill	
F-	Concrete Floor	
G-	Relocating of Electric Panel Board	
H-	Painting Interior of Warehouse	
9726	Los Angeles-Conduct Abrasion Testing on Castable Refractories	
6513	Test Furnace	12/70
7397	Los Angeles Die heating burner.	10/72
7616	Los Angeles Development of oil burner	4/73
9648	Los Angeles Remodeling Engineering Offices	2/77
10643	Carson - Remodeling Offices	11/78
10694	LA - Developing & Testing New Fire Lock Module	12/78

J T THORPE INC

10758	Carson – Testing of Acid proof Materials	1/79
10779	Carson – Gunite Test in yard	2/79
11241	Carson Yard ~~Repair~~ wind damage at carson yard Repair 5	11/79
11412	Carson Remodeling of carson warehouse and yard facilities 1980.	HWB
11500	Monterey Park New offices Monterey Pass Rd	2/80 HWB
12103	Los Angeles Accounting Computer	4/81
13264	Carson Yard Gunite testing	12/1
13330	Monterey Park Complete rental space	1/23
13346	Carson Yard Acid Brick Test	2/3
13386	Carson Yard Vibration Cast Test	3/6

J T THORPE INC

13621	Carson Yard Cease Fire Demonstration	9/84
13640	Carson Yard Painting Exterior of Building	10/84
14041	Carson Gunning Plastic Tests	8-85
14426	Carson Yard 3M test panels	8-28
14656	Carson Yard Test for Pryor Giggey materials	3-87
14700	Carson Yard Carson office addition	4-87
15176	Carson, CA Gunite test	8-24-88
15187	Carson Yard Demo Glass Furnace	9-9-88

THORPE INSULATION COMPANY
PLANT INSULATION COMPANY (formerly)

8720 - California Portland Cement Co. - Mojave
Install K-20 Insulating Lining in Misc. Ducts

9911 - Court House, Las Vegas, Nevada - Line Stack

3963 Shell Chemical Co
Torrance
Repair ship-type boiler

4090 Anheuser--Busch Inc.
Van Nuys
Repair peephole and lance doors on 3 B &W FF 15 #36 boilers.

4673 R C MAHON CO
GENERAL MOTORS
AIR PREHEATER CORPORATION
Van Nuys
Labor and material to construct interior insul on 5 incinerator units
(A) Revamp fume burner, unit #12-5D

4897 Anheuser Busch Brewery
Van Nuys
Repair burner wall of Keeler boiler #4

5662 Mobil Oil Co. 4/69
Torrance DEA
Install castable and roofing on top of Buell electrostatic precipitator

6605 Anheuser Busch - Van Nuys
Repair #3 Boiler

THORPE INSULATION COMPANY (Continued)

6718	Anheuser Busch Van Nuys Repairs to #4 Keeler Boiler	5/71
6782	Hughes Aircraft Canoga Park Labor only - Repairs to Boiler	7/71
7223	Production Steel Company Wilmington Yard Line one Incinerator Chamber	6/72
8882	SO CALIF EDISON CO GARDEN CITY PAPER CO Pomona - Nec Repairs to Foster Wheeler Waste Heat Boiler.	5/75
9509	Oxnard - Mandelay Steam Plant Nec Repairs to #2 Boiler	10/76
10080	So. Calif. Edison Co - El Segundo Repairs to the #2 Boiler	11/77
10402	Los Angeles - Labor only to Fabricate One Steel Support Table	6/78
10405	Los Angeles - Repair Dimensional Controller on Cut Roll Machine	6/78
10735	Los Angeles-To build dock ladder	1/79
11497	ALCOA Vernon Burner repair	4/80

THORPE, J. T., & SON, INC.

5260 - Calaveras Cement Co. - Calaveras, Calif.
Kiln Lining

6732 - States Steam Ship Co. - Long Beach
S. S. "Wyoming"
Labor and Material for Front Wall

7800 - Bechtel Corporation
Salt Lake Refining Company - Salt Lake City, Utah
To Extend Kiln Lining - Labor Only
(A) - Repairs to Petro-Chem Furnace
(B) - Repairs to Air-Line Burner

8484 - Southwestern Engineering Co.
Tidewater Terminal Company, Pasco, Washington
Engineering only for One Portable Asphalt Heater

9742 - Fluor Corporation
Standard Oil Company - Richmond
Commission Only

9810 - Berth 50, Long Beach - S.S. "Ocean Evelyn"
Renew Floor, Front Wall, and Side Walls of
Starboard Boiler

1280 - Holly Sugar Corp - Carlton, Calif - (near Brawley
Install brickwork, labor only.

2550 - Ralph M. Parsons Company
Monsanto Chemical Co
Avon - Sulphur and Amine Plant
Consulting Fee

3149 Consolidated Marine, Inc.
San Pedro, Calif.
"SS Oregon Bear" Repairs to port boiler,
Renew front wall.

J T THORPE and SON INC

3684 Ralph M. Parsons Co.
Shell Oil Company
Martinez
Install refractory linings in sulfur recovery units

5058 C F Braun and Co
Humble Oil Co
Benicia; California
Refractory work on 6 fired heaters

~~'A' Dry out 5 Spherical Vessels~~ CANCEL

5895 Ralph M Parsons 9/69
Humble Oil and Refining HWB
Benicia, California

Vessel linings and fire proofing

~~'A' - dryout 5 spherical vessels~~

'A' - Sales commission for vessel linings and structural fireproofing

6658 Standard Oil Co - Richmond, Calif. 3/71
Dryout for 4 reformer Reactors

6834 Combustion Engineering (Orange)
Texaco Inc: (San Ardo, Ca)
Repairs to "A" Type Boiler 8/71

JTTHORPE AND SON INC.

7927	Standard Oil Co. Richmond, Ca. Refractory dryout	10/24
7985	Shell Oil Co. Martinez Line expansion joint at Associated Piping	12/4
8746	Bechtel Standard Oil Co - Richmond Dryout of Reactors	3/75
8946	PHILLIPS PETROLEUM-Martinez Refractory Dryout for CO Duct.	8/75
9259	Chevron Chem-Richmond, Calif. Provide Engineering only for Thermal Oxidizer System	5/76
9345	Kaiser Steel - Napa, Ca. Design & Supply Relieve Furnace Door Lifting System	7/76
10060	Sierra Timber - Gardnerville, Nevada Boiler Repair	11/77
12199	UNION CHEMICALS DIVN/ Sacramento, CA Furnish and install refractory lining for decomposer D-605	6/81 RCN

J T THORPE and SON INC

13448 Chevron USA 4/84
El Segundo, CA - Castable Lining in Flare Tips

13990 Emeryville
Carson Yard
Install refractory
lining in flargas tip 6-85

14602 Antioch 2/87
Diamond Bathhurst
Minor repairs to glass Furnace

14865 Emeryville, CA 10-8-87
Furnish Combustion Equipment
and Flame Safety Panel

15102 Monterey Park, CA 6-20-88
Provide drafting service
(Mendota Biomass Power)

THORPE, J. T., NORTHWEST, INC.

8784 - Southwestern Engineering Company
Shell Oil Company - Willbridge, Oregon
Engineering Only for Enclosure for One (1)
Portable Oil Heater

1350 - USS "Catamount" - See Campbell Machine Shop
San Diego - Necessary repairs to Boiler

7708 L.A. / Carson
Engineering evaluation of WRP
felt 1/8" thick 5/73

3-M COMPANY

14225	Corona Install cease fire in rotary kiln	1-29-86

TIDE WATER ASSOCIATED OIL COMPANY

Formerly: Associated Oil Company

Associated Oil Company

101-A - Los Nietos - Three (3) 250 h.p. Marine Water Tube Boilers

101-B - Huntington Beach - Three (3) 250 h.p. Marine Water Tube Boilers

101-C - Watson - Boilers

121 - Watson - Two (2) 250 h.p. Marine W. T. Boiler

122 - (Cancelled) Huntington - One (1) Boiler (file gone)

127 - (Cancelled. Refer to Job No. 208)
San Pedro - Furnace

129 - Seal Beach - Three (3) 250 h.p. Marine Shipping Board Boilers

130 - Artesia - Three (3) 250 h.p. Marine Shipping Board Boilers

139 - Seal Beach - Draft Doors and Frame for Two (2) Blrs

146 - Watson - Three (3) San Joaquin Furnaces
Los Nietos - Two (2) San Joaquin Furnaces
Santa Fe Springs - One (1) San Joaquin Furnace
Artesia - Three (3) San Joaquin Furnaces

147 - (File gone) Watson Pump Station - Boiler

160 - Seal Beach - Boiler House - Moving Blr. from Cars

161 - Los Nietos - One (1) 250 h.p. Marine Water Tube Boiler and San Joaquin Furnace

162 - Artesia - One (1) 250 h.p. Marine Water Tube Boiler and San Joaquin Furnace

163 - Watson - Two (2) 250 h.p. Marine Water Tube Boilers #6 and #7, with San Joaquin Furnace

177 - Huntington Beach - One (1) 250 h.p. Water Tube Blr.

194 - Extra Work on Front Wall of Furnace

208 - San Pedro - One (1) Shipping Board Boiler Setting and San Joaquin Furnace

211 - San Joaquin Furnace for Three (3) Conventional Stills and One (1) Llewellyn & One (1) B&W Boilers
(contd.)

THURSTON, INC.

5275	Torrance
	Modification of #4 dressler tunnel kiln.
"A"	Furnish N.A. equiopment.
"B"	Furnish N.A. equipment.

TIDE WATER ASSOCIATED OIL COMPANY (contd.

Formerly: Associated Oil Company

Associated Oil Company (contd.)

222 - San Pedro - Reline Firebox on 20 h.p. Boiler

230 - Signal Hill - Repairs to Boiler Brickwork

238 - Signal Hill - Repairs

281 - Watson - San Joaquin Burner Tubes

284 - Bull-Head's Point - Erection of Three (3) 250 h.p. Standard Water Tube Boilers

304 - Watson - San Joaquin Tubes

305 - Watson - San Joaquin Tubes

316 - Watson - Foundation for Six (6) Stills

318 - Watson - 5'-6" x 75'-0" Stack

320 - Watson - Six (6) Stills

322 - Baldwin Hills - One (1) Locomotive Boiler

323 - Redondo Villa Tract - Five (5) 70 h.p. Locomotive Boilers

325 - Watson - Flues for Six (6) Oil Stills

327 - Watson - Tank Farm - Erection and Hauling of Six (6) Stills

329 - Watson - San Joaquin Furnaces

334 - Santa Rita Pump Station - Five (5) 60" x 16'-0" HRT Boilers

362 - Watson - Repairs to #3 and #4 Boilers

370 - Watson - San Joaquin Burner Tile

384 - Wilmington - Repairs to San Joaquin Furnace for Boiler #5

387 - Watson - San Joaquin Burner Tile

417 - Watson - San Joaquin Burner Tile

427 - Watson - Repairs to Stills #4, #5, and #6

447 - Wilmington - "Armorcote" Covering for Six (6) Stills

450 - Watson - Delivery of San Joaquin Material

458 - Watson - Repairs to San Joaquin Furnace for Still #4

(contd.)

TIDE WATER ASSOCIATED OIL COMPANY (contd.)

Formerly: Associated Oil Company

Associated Oil Company (contd.)

474 - Watson - Delivery of San Joaquin Material

477 - Seal Beach - San Joaquin Furnace for Three Boilers

2031 - Delivery of San Joaquin Tile

2040 - Delivery of San Joaquin Tubes

2059 - Watson - Delivery of San Joaquin Tubes

2090 - Watson - Delivery of Material

2118 - Watson - Delivery of Material

2126 - Watson - Delivery of San Joaquin Tubes

2128 - Repairs to Boilers #1 and #2

2147 - Delivery of Material

2171 - Delivery of San Joaquin Tubes

2198 - See E. B. Badger & Son Eng. Co.
Watson - Brickwork for One (1) Pipe Still

2210 - Watson - Delivery of San Joaquin Tubes

2249 - Delivery of San Joaquin Tubes

2289 - Watson - Delivery of San Joaquin Tile

2295 - Watson - Boiler Brickwork Repairs

2421 - Install Gas Burner in Stills

2441 - Watson - Repairs to Marine Boilers #3 and #7

2688 - Watson - Repairs to Detrick Arch

2693 - Wilmington - Stack Lining

2700 - Wilmington - Repairs to Residence Chimneys

2704 - Wilmington - Paint Concrete Stack

2717 - See E. B. Badger & Sons
Change Tube Supports

2735 - See E. B. Badger & Sons
Install Two (2) Peepholes in Furnace

2744 - Repairs to Badger Still

2755 - Watson - Repairs to #4 Boiler

2782 - Watson - Badger Furnace Repairs to Front Wall

2815 - Watson - Detrick Arch Repair

(contd.)

TIDE WATER ASSOCIATED OIL COMPANY (contd.)

Formerly: Associated Oil Company

Associated Oil Company (contd.)

2828 - Watson - Repair Furnace Paving and Checkerwork

2834 - Watson - Repairs to Badger Furnace

2845 - Repair Peepholes in Badger Unit

2858 - Repairs to Badger Unit

2871 - Four (4) Gas Headers for San Joaquin Burner

2888 - Repairs to Badger Unit

2922 - Rebuild Pier and Floor of Badger Unit

2964 - Watson - Repairs to Still Furnace

2973 - Watson - Repairs to San Joaquin Furnace - Blr. #6

3056 - Watson - Install Peepholes

3077 - Wilmington - Repairs to Badger Cracker Unit

3167 - Watson - Repairs to Furnace of Badger Unit

3187 - Watson - Stack Repair

3206 - Watson - Repairs to Heater Arch

TIDE WATER Associated Oil Company

3234 - See C. F. Braun & Co.
Watson - Pipe Still

3272 - Repairs to Seal Beach Pump Boilers

3278 - Watson - Build Checker Wall of Braun Furnace and Repairs to Insulation

3279 - Coalinga - Kettleman Pump Station - To Install One (1) 268 h.p. Heine Type Boiler

3329 - Watson - Replace Sections of Detrick Arch in Badger Still

3340 - San Pedro - One (1) 250 h.p. Shipping Board Boiler Repairs to Brickwork

3521 - Watson - Repairs to Badger Furnace

3590 - Santa Fe Springs Tank Farm - To Install Pipe Sleeves in Shipping Board Boiler

3709 - Watson - Repair Flat Arch on Badger Still

3751 - Watson - Coen Burner Installation on Seven (7) Shipping Board Boilers

(contd.)

TIDE WATER ASSOCIATED OIL COMPANY (contd.)

4136 - See C. F. Braun & Co.
Avon, Calif. - Catalytic Cracking Plant - Brickwork - Fired Oil Heater for Gas Plant

4137 - See C. F. Braun & Co.
Avon, Calif. - Brickwork - Fired Heater for Feed Preparation Unit

4174 - Watson - Repairs to Front Wall of Still

4230 - Watson - Brickwork Repairs to Detrick Roof of Badger Oil Heaters

4391 & (A) - Watson - Brickwork Repairs to Badger Heater

4479 - Associated Division - Wilmington
Repairs to Boiler #3

4523 - Associated Division - San Pedro Marine Terminal
Repairs to Firebox in Boiler

4954 - Associated Division - Watson
Repairs to Brick Lining in Stack

5466 - Associated Division - Watson
Brickwork Repairs to #1 Heater

5815 - Wilmington Refinery - Brickwork Repairs to Badger Furnace

5890 - Associated Division - Watson
Badger Furnace Brickwork Repairs

6089 - Associated Division - Watson
Badger Furnace Brickwork Repairs

6295 - See C. C. Moore & Co. Engineers
Ventura - To Install Insulation and Refractories for One (1) FF-15 No. 32 B. & W. Boiler

6327 - Associated Division - San Pedro - At Ship Loading /Dock
Necessary Repairs to Stationary Boiler

6663 - Wilmington - To Repair Brickwork in #1 Burner

6722 - See OFCCO Construction Co., Inc.
Ventura - Setting for One (1) 300 h.p. Union Iron Works Type "L" W. T. Boiler

TIDE WATER ASSOCIATED OIL COMPANY (contd.)

7057 - Wilmington - Necessary Repairs to Boiler at Loading Dock

7447 - Watson, Calif. - To Repair #2 and #4 Boilers

7554 - Watson - Renew Detrick Bull-nose Arch in Badger Furnace

7568 - San Pedro - Necessary Repairs to Boiler
(A) - Necessary Repairs to Boiler

7781 - Wilmington - Renew Firebox Lining in Marine Boilers Nos. 1, 6 & 7

8181 - Wilmington - Watson Refinery
Neces. Repairs to #1 Boiler

8421 - See C. F. Braun & Co.
Delaware City, Delaware
Waste Gas Incinerator - Material, Engineering & Design

8645 - See C. C. Moore & Co. Engineers
Ventura - Install Refractories and Insulation on One (1) B&W FF15 No. 28 Boiler

8670 - Ventura - Natural Gasoline Plant #6
Fireproofing Four (4) Propane Storage Tanks Nos. 615, 616, 618, 618 by Gunite Machine

1132 - Marine Terminal - San Pedro
Repairs to Water Tube Boiler

1659 Brea
Repair portable steam generator

TIDEWATER TERMINAL COMPANY

2h2h - See J. T. Thorpe & Son Inc.
Southwestern Engineering Co.
Pasco, Washington - Engineering only for One
Asphalt Heater

TILLOTSON CLAY PRODUCTS COMPANY

2325 - Labor for One (1) 26' Downdraft Kiln and One (1) Square Stack

2355 - One (1) 26'-0" Round Downdraft Kiln

2409 - Delivery of Material

2414 - Labor for Three (3) 36' dia. Downdraft Kilns and One (1) 44' Stack

TIMCO

10865	Carson – Repair aluminum furnace	3/79
10881	Carson = Labor only to install refractory lining in 100,000# aluminum melting furnace	4/79
10896	Carson – Nec. repairs to south reverb furnace	4/79
11047	Long Beach Repairs to #1 Reverb	7/79
11101	Carson/TAMDEN Repair charging door, jambs, sill and arch #1 melter	8/79
A	Repair trough	
11236	Carson Install refrractory lining in recuperator	10/79
12307	Long Beach, CA Repairs to #2 furnace	8/81
12718	Gardena, CA Repairs to rotary furnace	6/82
	TANDEM	
12845	Long Beach, CA Repairs to alumina reverb	10/82

TIMCO

12908	Long Beach, CA Repairs to reverb	12/82
13152	TAMDEN Long Beach, CA Repair #1 furnace	8/83
13163	TAMDEN Long Beach, CA Repairs to #1 furnace	9/83
13646	Etiwanda CA Labor only to line Rotary Furnace	10-84
13776	Long Beach CA Labor only to install floor	1/85
A-	Labor and Material to Repair Burner	
14198	Fontana Line rotary Dross furnace	12-30-85

TIMEC

15002 El Segundo, CA 2-16-88
Repairs to Selas Heater ISOMAX
Plant

TIN PROCESSING CORP.

T-5273 - Texas City, Texas
(See T-516) Boiler Enclosures on Two (2) Combustion Engineering Company Boilers

TIOGA FOUNDRY CORP OWEGO± NEW YORK

6247 Supply panel for cupola dust control 5/70

TITANIUM METALS CORPORATION OF AMERICA
NATIONAL LEAD COMPANY (former name)
National Lead Company

2328 - Union Oil Company - Wilmington
Renew Furnace Brickwork

7174 - Titanium Divn. - Henderson, Nevada - Fluo-Solids Reactor - Acid-Proof Brick Lining
(A) - Brickwork on 28" Chlorinator
(B) - Constriction Dome Assemblies & Skews

Titanium Metals Corporation of America

7806 - Henderson, Nevada - To Construct Two (2) Titanium Reactor Distributor Plates

7964 - Henderson, Nevada - To Reline #87 Chlorinator

7965 - Henderson, Nevada - To Repair Three (3) Electrode Rings in #88 Chlorinator
(A) - #85 Chlorinator - Same as above
(B) - #82 Chlorinator - Same as above
(C) - To Reline Caustic Tower #82
(D) - # 81 Chlorinator
(E) - Repair Brickwork in Circular Tunnel Kiln
(F) - #83 Chlorinator
(G) - # 85 Chlorinator Rework
(H) - # 86 Chlorinator Repair
(I) - # 81 Caustic Tower
(J) - #84 Chlorinator Tower
(K) - Reduction Furnaces - Plastic Rings
(L) - To Repair Holes in Floor
(M) - Concrete Block & I.F.B.-Sludge Evaporator
(N) - Reduction Furnaces - Cast Tops
(O) - Set #5 Electrode in #88 Chlorinator
(P) - ~~#7 Furnace---Burner & Floor~~ #2 Sludge Evaporator
(Q) - #6 Furnace - Burner & Floor
(R) - #82 Chlorinator Rebrick (2nd time)
(S) - Brick Dust Collector
(T) - To Rebuild #6, #7, #8 Reduction Furnaces
(U) - Cradles on Reduction Furnaces #9 & #10
(V) - Grout Base of Boring Mill
(W) - Cradles on Reduction Furnaces #5 & #6
(X) - Remodel Reduction Furnaces #4
(Y) - To Repair Briquetting Plant
(Z) - To Line Spool for #83 Chlorinator

8100 - See the H. K. Ferguson, Agents for - Henderson, Nevada - Line One Wash Tower and One Caustic Tower

TITANIUM METALS CORPORATION OF AMERICA (contd.)

8104 - Henderson, Nevada - Misc Refractory Repair Work
Sundry Expense Items
(A) - Repair Brickwork in Furnace #9
(B) - Install Bottom Supports in Furnaces 1 and 2
(C) - Rpr Brkwrk & Electrodes in Chlorinators 82,83,84,&86
(D) - Install Support Rings in Furnaces#11 thru #22
(E) - Rpr Floor in Blending & Floor in Furnace #3
(F) - Rebrick #3 Furnace
(G) - Brickwork for Lining Manholes on Acid Drain
(H) - Cast & Reinsulate 6 Furnace Lids
(J) - Pour Cement Floors over Cells in D-8 Briquetting
(I) - Pour Concrete for Pump Bases under Clarfier #81
(K) - Install Auxiliary Gas Burners in Kilns
(L) - Install Concrete Block Bulkhead around Switch Gear Area in FF8 & 10
(M) - Pour Concrete Trench for Sludge Line
(N) - Rebrick #6 Furnace
(O) - Pour Wall in Reactor Pits West Dry Room & Kinney Pump Foundation
(P) - Concrete Work & Place Anchor Bolts for Sponge Crushing
(Q) - Install Brick Wall Around Furn.& Heat Treating Room
(R) - Make Minor Repairs to Chlorinator 85
(S) - Place Anchor Bolts and Concrete
(T) - Sort, Palletize, and Store Brick from Salvage Yard
(U) - Pour Three Reactor Pits in West Dry Room
(V) - Pour Five Kinney Pump Bases in Basement of FF-8
(W) - Install Tile Drain and Pour Concrete Trench in FF-8
(X) - Install Furnace Support Ring in #4 Reduction Furnace
(Y) - Repair Floor in Blending Area
(Z) - Furnish Labor to Pour Concrete Footings

8130 - Henderson, Nevada
Labor only to Reline Chlorinator, 3-Electrode Desig
(A) - Design Refractory only of Chlorinator DustChamber
8152 - Henderson, Nevada- Misc. Refractory Repair Work
(A) - Inspect and Minor Repairs to Briquetting Kiln
(B) - Rpr Brkwrk and Install Electrodes-#77 Chlorinator
(C) - Brkwrk for Relocation of Bottom Burners in Furn #18
(D) - " " " " " " " #19
(E) - " " " " " " " #20
(F) - " " " " " " " #21
(G) - " " " " " " " #22
(H) - " " " " " " " #2
(I) - " " " " " " " #1
(J) -
(K) -

(contd.)

TITANIUM METALS CORPORATION OF AMERICA (CONTD.)

8152 - (contd.)
(J) - Brkwrk for Relocation of Bottom Burners in Furn #5
(K) -
(L) - " " " " " " " " #7
(M) - " " " " " " " " #8

8159 - Henderson, Nevada - Line five Experimental Reactor Furnaces

8161 - Henderson, Nevada - Supply Combustion Equipment to Convert from Propane to Natural Gas
(A) - Supply Combustion Equipment for Experimental Reactor Furnace
(B) - North American Safety Shutoff Valves

8182 - Henderson, Nevada (Misc. Refractory Repair Work)
(A) - Make Minor Repairs to #81 Chlorinator
Pour Slab in Leaching
(B) - Set Door Frame & Pour Cement Lintel & Sides
(C) - Cast Furnace Covers J-1
(D) - Rebrick #5 Furnace Reduction
(E) - Place Cast Support Ring in Furnace #18
(F) - Reinstall Block Wall Damaged in Instrument House
(G) - Install Refractory Drains in 22 Furnaces
(H) - Make Neces. Repairs to Car Tops - Briquetting
(I) - Grout Steel Legs on Storage Tank
(J) - Re-install One Burner in Furnace #4
(K) - Remove & Replace Three Short Screw Mount Electrodes in Chlorinator #87
(L) - Install New Support Ring in Furnace #9
(M) - Construct Masonry Wall South of Elevator to Bldg. Wall
(N) - Install Masonry Walls in West End of D--9
(O) - Brick-line Downcomer Extensions in Condenser Towers P-84, -85, -86 & Rebricking on Unit #8

TITANIUM METALS CORPORATION OF AMERICA (contd.)

(P) - Raise Tap-hole Burner to Original Height in Furn
(Q) - Reblock a Doorway
(R) - Repair Car Top Briquetting

8254 - Henderson, Nevada - Brickwork Repairs
(A) - Remove Old & Replace with New Insul & Fire Brick Furnace #7
(B) - Rprs to Pedestal Support in Bottom of Furnace #6
(C) - Install Support Ring in Reduction Furnace #22
(D) - Install Support Ring in Reduction Furnace #11
(E) - Install Solid Ring in Furnace #2
(F) - Replace Reactor Pedestal Support in Bottom of Furnace #2 and #3
(G) - Install Support Ring in Reduction Furnace #8
(H) - Install Solid Ring in Furnace #13
(I) - Modify Furnace #7
(J) - Rpr Brkwrk around Bottom Burner of Raise Taphole Spout on Furnace #13
(K) -
(L) - Rpr Brkwrk around Burner & Raise Taphole Spout on Furnace #13
(M) - Rpr Burners & Patch Brickwork - Furnace #17
(N) - Raise Taphole in Furnace #11
(O) - Install Solid Support Ring in Furnace #17
(P) - Install Solid Ring in Furnace #7
(Q) - TCMA Guest House-Remove Brk then Replace 12" off Property Line
(R) - Crate, Tag, etc., to Ship All Tools & Equipment to Thorpe which were rented
(S) - Rpr Lower Burners & Raise a Hole Burner-Furn #20 & 21
(T) - Install Solid Support Ring in Furnace #12
(U) - Install Solid support Ring in Furnace #14
(V) - Install Solid Support Ring in Furnace #19
(W) - Install Solid Support Ring in Furnace #20
(X) - Install Solid Support Ring in Furnace #21
(Y) - Furnish Labor to Cast 8 Furnace Doors
(Z) - Furnish Labor to Cast 3 Furnace Lid Sections

8331 - Henderson, Nevada - Brickwork Repairs #87 Chlorinator
(A) - Brk Rprs around Nozzle & To Replace West Screw Mount Electrode in Chlorinator #87
(B) - Make Repairs-to Caustic Tower #82
(C) - Minor Repairs to Chlorinator #83 & Install Electrodes
(D) - Brick Up 12 Holes in the Engrg. Office in Bldg.J-1
(E) - Brk Rprs to Two Htg Furnaces in Machine Shop Bldg.
(F) - Drill Holes
(G) - Install Plug in Drain Hole of Caustic Manhole #C-19A
(H) - Install Acid Brick in #83 Wash Tower Circulating Tank
(I) - Install-One Course Acid-Brick Liner over Koroseal Lining in S-82 Wash Tower Circulating Tank
(J) - Install Acid Brick Liner in 6 ft. dia. x 4 ft. high S-81 Wash Tower
(K) - Grout Blower & Motor Base with "Embeco"

8412 - Henderson, Nevada - Repair 22 Electrolysis Cells

8611 - Henderson, Nevada - Labor and Material to Repair Brickwork in #82 Chlorinator

8769 - Henderson, Nevada - Provide Labor to Modify and Repair Brickwork in Chlorinator #86 as follows:

	Charge No.	Phase
	M-17	Flat Floor
(A) -	M-17	Bottom Cone
(B) -	M-17	Walls except Nozzles
(C) -	M-16	Dome
(D) -	M-17	10 Small Openings, Chlorine Ports Feed Openings & Drain Nozzles
(E) -	M-17	Access Opening
(F) -	M-15	Clean Out & Remove Old Brick
(G) -		Gas Time
(H) -	M-14	Casting Feed Legs

8807 - Titanium Metals Corporation of America-Henderson, Nevada - #83 Chlorinator Repair
(A) - Bottom Cone
(B) - Walls except Nozzles
(C) - Dome
(D) - Ten (10) Small Openings - Chlorine Ports, Feed Openings, Drain Nozzles
(E) - Access Opening
(F) - Clean-out and Removing Old Brick

(contd.)

TITANIUM METALS CORPORATION OF AMERICA (contd.)

8807 - (contd.)
(G) - Gas Time
(H) - Casting Feed Legs

8828 - Henderson, Nevada - Design Brickwork in 14" I.D. Experimental Chlorinator
(A) - Design Brickwork for One (1) Chlorinator Dust Collector

8914 - Henderson, Nevada - #87 Chlorinator Repairs - Flat Floor
(A) - Bottom Cone
(B) - Wals except Nozzles
(C) - Dome
(D) - Ten (10) Small Openings-Chlorine Ports, Feed Openings, Drain Nozzles
(E) - Access Openings
(F) - Clean-out and Removing Old Brick
(G) - Gas Time
(H) - Casting Feed Legs

8971 - Henderson, Nevada - Brick One (1) Chlorinator Shell
(A) - Brick One (1) Collector
(B) - Brick One (1) Transfer Line
(C) - Drill One (1) Distributor Nozzle

Cancelled

9009 - Henderson, Nevada - Repair Brickwork in Chlorinator #82 - Clean Out and Remove Old Brick-M12

9020 -
(B) - Rpr. Brkwrk of Sludge Dryer Acid Sump
(C) - Install Lining in Acid Sump
(D) - Install Lining in Soaking Pit
(E) - Acid Brick in 6" & 8" Acid Drain
(F) - Acid Brick in 10" Acid Drain

TITANIUM METALS CORPORATION OF AMERICA (contd.)

9039 - (contd.)
(I) - Make & Replace Chlorine Nozzle in 14" Chlorinator
(J) - Line Firing Hood of Dryer
(K) - Install Lining in Dust Collector on Experimental Unit

9183 - See Guy F. Atkinson Company Henderson, Nevada - Labor only to Install Linings in 14 Reduction Furnaces

6335 Henderson, Nevada 7/70
Design and supply one launder heater unit

12200 JACOBS ENGINEERING GROUP 6/81
Timet Divn/Henderson, Nevada
Furnish and install refractory lining in 46 magnesium cells RCN

TITLE GUARANTEE & TRUST BUILDING

2496 - See Pacific Pipe & Supply Company
Incinerator

TODD SHIPYARDS CORPORATION

Formerly: Todd Pacific Shipyards, Inc.
Todd Shipyards Corporation
Todd California Shipbuilding Corp.

Todd California Shipbuilding Corp.

3613 - Permanente - Chemical Engineering Division
Eighteen (18) Electrical Furnaces

3719 - Permanente - Chemical Engineering Division
Dryers

3720 - Permanente - Chemical Engineering Division
Brickwork on 54 Electrical Furnaces

Todd Shipyards Corporation

4217 - Managing Agent for U. S. Navy, Operating Plant
of Los Angeles Shipbuilding & Drydock Corp.
S. S. "Hector" - Hull #59 -
Brickwork Repairs to Galvanizing Tank

4262 - Managing Agent for U. S. Navy, Operating Plant
of Los Angeles Shipbuilding & Drydock Corp.
San Pedro - Repairs to One (1) Electric Furnace

4279 - Managing Agent for U. S. Navy, Operating Plant
of Los Angeles Shipbuilding & Drydock Corp.
S. S. "Orson D. Munn"
Repairs to Two (2) Boilers

4299 - Managing Agent for U. S. Navy, Operating Plant
of Los Angeles Shipbuilding & Drydock Corp.
U. S. S. "APA-2" - Repairs to Eight (8) Boilers
(A) - Miscellaneous Brickwork to Boilers

4314 - Managing Agent for U. S. Navy, Operating Plant
of Los Angeles Shipbuilding & Drydock Corp.
S. S. "Victor H. Kelly" - Repairs to One (1) Blr.

4349 - Managing Agent for U. S. Navy, Operating Plant
of Los Angeles Shipbuilding & Drydock Corp.
S. S. "Mercy" - To Reline Bake Oven

4356 - Managing Agent for U. S. Navy, Operating Plant
of Los Angeles Shipbuilding & Drydock Corp.
M/V "Batumi" - Brickwork Repairs to Two (2) Blrs.

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TODD SHIPYARDS CORPORATION (contd.)

Formerly: Todd Pacific Shipyards, Inc.
Todd Shipyards Corporation
Todd California Shipbuilding Corp.

Todd Shipyards Corporation (contd.)

4370 - Managing Agent for U. S. Navy, Operating Plant of Los Angeles Shipbuilding & Drydock Corp.
S. S. "Quebec" - Reline Two (2) Boilers

4380 - Managing Agent for U. S. Navy, Operating Plant of Los Angeles Shipbuilding & Drydock Corp.
S. S. "Cape Johnson" - Boiler Patchwork

4398 - Managing Agent for U. S. Navy, Operating Plant of Los Angeles Shipbuilding & Drydock Corp.
U. S. S. "Jason" - Hull #60 -
Repairs to Two (2) Table Top Forging Furnaces

4401 - Managing Agent for U. S. Navy, Operating Plant of Los Angeles Shipbuilding & Drydock Corp.
S. S. "Tuttle" - Repairs to Two (2) Boilers

4428 - Operating under contract with U. S. Navy, Plant of Los Angeles Shipbuilding & Drydock Corp.
S. S. "Charles S. Jones"
Brickwork Repairs to Fireboxes of Two (2) Boilers

4457 - Operating under contract with U. S. Navy Dept.
Plant of Los Angeles Shipbuilding & Drydock Corp.
S. S. "OA-39" - Repairs to Two (2) Boilers

4488 - Operating under contract with U. S. Navy Dept.
Plant of Los Angeles Shipbuilding & Drydock Corp.
S. S. "W. C. Fairbanks" - Repairs to Three (3) Boilers

4490 - Standard Oil Company
S. S. "R. C. Stoney" - Repairs to Boilers

4504 - S. S. "Chalmette" - Repairs to Two (2) Boilers

4507 - San Pedro - B. & W. Boiler Brickwork -
Hull #64 - U. S. S. "Klondike"
Hull #65 - U. S. S. "Arcadia"
Hull #66 - U. S. S. "Everglades"
Hull #67 - U. S. S. "Frontier"

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TODD SHIPYARDS CORPORATION (contd.)

Formerly: Todd Pacific Shipyards, Inc.
Todd Shipyards Corporation
Todd California Shipbuilding Corp.

Todd Shipyards Corporation (contd.)

4515 - S. S. "Scotts Bluff" - To Renew Chrome Ore on Water Walls of Starboard Boiler

4517 - S. S. "APA-19" - Repairs to Two (2) Boilers
(A) - To Rebrick Incinerator and Renew Brickwork in Both Boilers

4560 - San Pedro - Hulls Nos. 64 to 67 inclusive Brickwork in Foundry Floor (Cancelled) /Brick Material Only Furnished--1,000 Sil-O-Cel Super

4563 - Operating under contract with U. S. Navy Dept., Plant of Los Angeles Shipbuilding & Drydock Corp. S. S. "Claus Spreckels" To Renew Floors in Two (2) Boilers

4571 - S. S. "River Raisin" - Repairs to Boiler
(A) - Close Doors on Boiler Repair Job

4587 - S. S. "Esso Montepelier" - Repairs to Port Boiler

4595 - S. S. "Nehalem" - Repairs to Two (2) Boilers

4597 & (A) - S. S. "Tonto" - Repairs to Two (2) Boilers

4624 - Operating under contract with U. S. Navy Dept., Plant of Los Angeles Shipbuilding & Drydock Corp. S. S. APA-157 - Repairs to Two (2) Boilers

4631 - S. S. "Joseph Lane" - Renew Floors of #1 Boiler

4639 - S. S. "Joseph A. Holmes" - Chrome Mortar on Walls of Port Boiler
(A) - S. S. "San Luis Obispo" - Close Access Doors

4645 - S. S. "APA-114 - Renew Brickwork in Four (4) Galley Ranges
(A) - Patch Brickwork in Four (4) Boilers

4651 - S. S. "H. C. Wallace" - To Patch Up and Brick-Seal Boiler

4659 - S. S. "John H. Rosseter" - Brick-Seal Firebox on #1 Boiler and Install Access Door
(A) - Clean and Brick-Seal #2 Boiler
(B) - Patch Brickwork in #2 Boiler

TODD SHIPYARDS CORPORATION (contd.)

Formerly: Todd Pacific Shipyards, Inc.
Todd Shipyards Corporation
Todd California Shipbuilding Corp.

Todd Shipyards Corporation (contd.)

4683 - S. S. "Umatillo" - Repairs to Two (2) Boilers
4684 - S. S. "John H. Tuttle" - Repairs to Two (2) Blrs.
4697 - S. S. AO-27 - Necessary Repairs to Four (4) Boilers
4707 - S. S. "McKettrick Hills" - Reprs. to One (1) Blr.
4709 - S. S. "Fort George" - Necessary Reprs. to Two Blrs.
4723 - S. S. "Mission San Jose" - Repairs to Two (2) Blrs.
4741 - S. S. "John Cabot" - Repairs to Two (2) Boilers
4765 - S. S. "Crater Lake" - Boiler Repairs
4778 - U. S. S. AP-120 - Repairs to Four (4) Boilers
4786 - S. S. "Robert C. Greer" - Repair Port Boiler
4791 - S. S. "Fort Charlotte" - Repair Boilers
4793 - S. S. "Yam Hill" - Boiler Repairs
4811 - S. S. "Caribbean" - Necessary Reprs. to Two Blrs.
4816 - U. S. S. DM-16 - Repairs to Two (2) Boilers
4817 - S. S. "Mission Capistrano" - Reprs. to Main Blrs.
(A) - Repairs to Starboard Boiler
4825 - U. S. S. AP-115 - Repairs to Four (4) Boilers
4849 - S. S. "Coquille" - Repairs to Two (2) Boilers
4867 - U. S. S. APA-144 - Repairs to Two (2) Boilers
4919 - S. S. "A. C. Rubel" - Repairs to Two (2) Boilers
4929 - S. S. "Esso Buffalo" - Repairs to Two (2) Boilers
4948 - U. S. S. APA-52 - Rebuild Two (2) Boilers
4971 - U. S. S. AO-85 - Necessary Repairs to Two (2) Blrs.
4974 - S. S. "Mission Purisima" -
Necessary Repairs to Two (2) Boilers
4976 - S. S. "New London" - Repair Two (2) Boilers
5001 - S. S. "Mission Santa Cruz" - Repair Two (2) Blrs.
5025 - S. S. "Wm. H. Clogett" - Repair Two (2) Boilers
5038 - S. S. "Castle Pinckney" - Repair Two (2) Boilers

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TODD SHIPYARDS CORPORATION (contd.)

Formerly: Todd Pacific Shipyards, Inc.
Todd Shipyards Corporation
Todd California Shipbuilding Corp.

Todd Shipyards Corporation (contd.)

5044 - S. S. "Esso Buffalo" - Repairs to Two (2) Boilers

5063 - S. S. "James Rolph" - Repairs to Two (2) Boilers

5090 - S. S. "Wallowa" - Repairs to Port Boiler

5107 - S. S. "Wallowa" - Repairs to Starboard Boiler

5108 - S. S. "Elk Bason" - Repairs to Port & Starboard Bl
(A) - Insulation Repairs

5127 - APD-31 - Repairs to Boiler #2

5157 - U. S. S. APD-76 - Repairs to Boiler

5187 - S. S. "Orson D. Munn" - To Renew Floors, Burner, Peepholes and Walls in Boiler

5256 - S. S. DE-696 - To Rebrick Two (2) Boilers

5280 - San Pedro - Reline Forge Furnace in Blacksmith Sho

5298 - U. S. S. APD-104 - Repairs to Two (2) Boilers

5333 - (Cancelled) - DD-532 -
To Renew Plastic and Chrome Ore in Four (4) Blrs.

5354 - S. S. "J. H. Tuttle -
To Tear Out and Rebrick Both Boilers

Todd Pacific Shipyards, Inc.

5455 - S. S. "W. S. Miller" - Renew Nine (9) Furnace Fronts & Nine (9) Furnace Horse Collars

5459 - S. S. "W. Windom" - Repairs to Two (2) Boilers
(A) - Renew Baffle Tile in Port and Starboard Boilers

5477 - S. S. "F. H. Hillman" - Eleven (11) Front Arch Repairs and Eleven (11) Horse Collar Repairs in Three (3) Boilers

5478 - S. S. "Sea Star" - Repairs to Port Boiler and Superheater
(A) - Additional Repairs to Walls and Renew Entire Floor
(B) - Remove and Renew Tile on Three (3) Breeching Doors of Starboard Boiler
(C) - Additional Brickwork on Starboard Boiler

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TODD SHIPYARDS CORPORATION (contd.)

Formerly: Todd Pacific Shipyards, Inc.
Todd Shipyards Corporation
Todd California Shipbuilding Corp.

Todd Pacific Shipyards, Inc.

5479 - S. S. "Lucian Labaudt" - Brick-Seal on One (1) Furn.

5480 - S. S. "Syosset" - Repair Port & Starboard Boilers
(A) - Remove and Renew Vitrecast on Four (4) Heater Panels and Patch Front Wall of Starboard Boiler

5490 - (Cancelled) S. S. "Kingsbury"
Repairs to Three (3) Front Arches

5493 - S. S. "A. C. Rubel" - Repairs to Boilers

5499 - S. S. "Robert L. Hague" - Repair Two (2) Boilers

5502 - S. S. "Broad River" - Repairs to Two (2) Boilers

5543 - S. S. "Cape Sandy" - Repairs to Port Boiler

5558 - S. S. "Paul M. Gregg" - Repair Two (2) Boilers

5592 - S. S. "Charles S. Jones" - Patch Two (2) Blrs.

5611 - DD-660 - Renew Brickwork on Four (4) Boilers

5612 - S. S. "Day Star" - Renew Brickwork in One (1) Donkey Boiler

5647 - S. S. "Victor H. Kelly" - Repairs to Two (2) Blrs.

5654 - S. S. "The Dalles" - Repairs to Two (2) Boilers
(A) - Patch Chrome Ore in Port and Starboard Boilers

5656 - S. S. "Hamilton Victory" - Repairs to Two (2) Blrs.
(A) - Patch Superheater Header of Starboard Boiler

5661 - S. S. "E. W. Eberle" - Repair Boilers #1, #2, #3,#4
(A) - Renew Insulation

5700 - S. S. "Kettle Creek" - Repairs to Two (2) Boilers

5702 - S. S. "Kings Canyon" - Repairs to Two (2) Boilers

5711 - S. S. "Tullahoma" Remove and Replace Front Walls of Two (2) Boilers
(A) - Renew Two (2) Floors, Patch Chrome Ore in Two (2) Boilers

5717 - S. S. "Big Bend" - Repairs to Two (2) Boilers

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TODD SHIPYARDS CORPORATION (contd.)

Formerly: Todd Pacific Shipyards, Inc.
Todd Shipyards Corporation
Todd California Shipbuilding Corp.

Todd Pacific Shipyards, Inc. (contd.)

5725 - S. S. "Jordan Valley" - Necessary Repairs to Port and Starboard Boilers

5731 - S. S. "L. P. St. Clair" - Insulation, Refractory, and Baffle Repairs to Forward Boiler
(A) - Baffle Work in Aft Boiler and Repairs to Port and Starboard Boilers

5737 - S. S. "Agwiworld" - Repair Three (3) Furn. Fronts

5763 & (A) - S. S. "Chisholm Trail" - Repairs to Port and Starboard Boilers

5771 - S. S. "Smoky Hill" - Patch Boiler Brickwork

Todd Shipyards Corporation

5788 - S. S. "Markay" - Repairs to Port and Starbd. Blrs.
(A) - Repairs to Floor and Chrome on Two (2) Boilers

5801 - S. S. "Joshua L. Chamberlain" - Repair Port Blr.

5837 - S. S. "Hovenweep" - Repairs to Two (2) Boilers

5840 - S. S. "Scofield" - Repairs to Three (3) Boilers

5844 - S. S. "Swan Island" - Repairs to Starboard Boiler

5849 - S. S. "Torrance Hills" - Rebrick Two (2) Boilers

5851 - S. S. "William J. Gray" - Repair Two (2) Boilers

5870 - S. S. "J. W. Meldrum" - Repair Two (2) Boilers

5873 - S. S. "Samblade" - Point Up Brickwork

5894 - S. S. "Broad River" - Tear Out and Replace Brickwork and Insulation on Two (2) Boilers

5895 - S. S. "Allen Seeger" - Tear Out and Renew Two (2) Boiler Fronts and Patch Brickwork

5896 - San Pedro Yard - Rebrick Donkey Boiler

5911 - U. S. S. R. "Victory" - San Pedro - Brickwork on Port and Starboard Boilers

5912 - San Pedro - U. S. "Victory" Brickwork on Port and Starboard Boilers

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TODD SHIPYARDS CORPORATION (contd.)

5914 - S. S. "Allan C. Balch" - Patch Burner Ring

5923 - S. S. "Oleum" - Brickwork Repairs

5925 - S. S. "A. J. Pothier" - Repairs to Starboard Blr.

5932 & (A) - S. S. "Plymouth Victory" - Boiler Repairs

5950 - S. S. "James Weaver" - To Patch Brickwork of Port and Starboard Boilers

5957 - S. S. "Lompoc" - Brickwork Repairs

5962 - San Pedro - S. S. "Charles S. Jones" Necessary Brickwork Repairs

5965 - San Pedro - S. S. "Joshua Royce" - Boiler Repairs

5978 - S. S. "Wm. D. Howles" - Repairs to Two (2) Boilers

5994 - San Pedro - S. S. "Kenyon Victory" - To Patch Brickwork

5996 - S. S. "Hat Creek" - Replace Brickwork Two (2) Blrs.

6003 - S. S. "Santa Paula" - To Patch Brickwork

6017 - San Pedro - S. S. "Luther Martin" To Patch Brickwork

6033 - San Pedro - S. S. "Torrance Hill" Repairs to Two (2) Boilers

6035 - San Pedro - S. S. "Victor H. Kelley" Brickwork Repairs (Later changed to this job)

6040 - San Pedro - S. S. "Thomas Hunt - Brickwork Repairs

6043 - San Pedro - S. S. "Winter Hills" Repairs to Side Wall of Boiler

6062 - San Pedro - S. S. "Coxcomb Hill - Boiler Repairs

6072 - San Pedro - S. S. "Crater Lake" - Brickwork Reprs.

6074 - San Pedro - S. S. "Grande Mesa" - Brickwork Reprs.

6075 - San Pedro - S. S. "A. C. Rubel" - Repairs to Insulation on Boiler

6102 - San Pedro - S. S. "Agriworld" - Repairs to Burners of Three (3) Boilers

6104 - San Pedro - S. S. "L. P. St. Clair" Insulation on Aft Boiler

(A) - Necessary Repairs to Boiler

(contd.)

TODD SHIPYARDS CORPORATION (contd.)

6117 - San Pedro - S. S. "General Brewster" Repairs to Boilers

6118 - San Pedro - S. S. Nidar" - Repairs to Boiler

6123 - San Pedro - S. S. "Oleum" - To Patch Brickwork

6134 - San Pedro - S. S. "Colina" - To Tear Out and Replace all Chrome Ore, Burner Cones, and Top Course of Brick in Port and Starboard Boilers

6136 - San Pedro - S. S. "Cornell" - To Patch 8 sq. ft. of Deck in Port and Starboard Boilers

6146 - San Pedro - S. S. "Sideling Hills" - Tear Out and Replace all Brickwork and Chrome Ore in both Blrs.

6153 - San Pedro - S. S. "Bradley" - Necessary Repairs to Boiler

6156 - San Pedro - S. S. "Indian Navigator" - To Remove and Renew Tile and Chrome in Way of Tube Replacements in Starboard Boiler

6166 - San Pedro - S. S. "Millicoma" - Brickwork Repairs to Port and Starboard Boilers

6173 - San Pedro - S. S. "Wm. Pepperell" - To Renew Brickwork in Four (4) Panel Doors and Patch Burner Cones with Plastic

6181 - San Pedro - S. S. "River Raisin" - To Renew Brickwork in Two (2) Boilers, Door Insulation and to Replace Top Water Wall Tile
(A) - Rebrick Boiler on Crane

6182 - San Pedro - S. S. "Paul M. Gregg" To Renew Insulation on Two (2) Boilers
(A) - Repairs to Top Headers in Both Boilers and to Patch Burners

6239 - San Pedro - S. S. "Oleum" - Patch Brickwork in Port and Starboard Boilers

6251 - San Pedro - S. S. "General Freeman" Renew Brickwork and Insulation in Three (3) Superheater Doors

6272 - San Pedro - S. S. "Lifjord" - To Renew Chrome Ore and Headers in Port and Starboard Boilers; To Renew Curtain Walls in Starboard Boilers.

(contd.)

TODD SHIPYARDS CORPORATION (contd.)

6277 - San Pedro - S. S. "Mission Soledad"
Miscellaneous Brickwork and Insulation
Repairs to Port and Starboard Boilers

6284 - San Pedro - S. S. "John H. Marion" - Brickwork and
Insulation Repairs to Port and Starboard Boilers

6312 - San Pedro - S. S. "St. Clair"
Insulation on AKK Boiler (Forward)
(A) - Necessary Brickwork Repairs to Forward and Aft
Boilers

6329 - San Pedro - S. S. "Mission Capistrano"
Brickwork Repairs to Port & Starboard Boilers
(A) - Repairs to Two (2) Boilers

6338 - San Pedro - "Victor H. Kelley"
Repairs to Two (2) Boilers

6361 - San Pedro - S. S. "Destina" -
To Renew Front Wall on Starboard Boiler

6419 - San Pedro - S. S. "General Walker"
To Remove and Renew approx. 16 cu. ft. of
Plastic Brick in Way of Burner Arches on
#1 and #2 Boilers
(A) - Repairs to Four (4) Boilers

6425 - San Pedro - S. S. "Bunker Hill" -
To Replace Chrome Ore at Ends of Side Walls
and Back Wall

6427 - San Pedro - S. S. "Chepachet"
To Tear Out and Replace Front and Patch approx.
30 sq. ft. Chrome Ore in Port and Starboard Boilers

6432 - San Pedro - S. S. "Mission Santa Ana"
To Necessary Repairs to Boiler in Way of Tube
Repairs (A) Addtl. Brickwork on Item #49

6433 - San Pedro - S. S. "Alamo Victory"
To Furnish Labor and Material to Renew Front Deck
and Six (6) Superheater Doors in Starboard Boiler

6438 - San Pedro - S. S. "Mission Carmel"
To Reline Six (6) Superheater Doors and to
Replace approx. 15 sq. ft. of Corbel

6477 - San Pedro - S. S. "John Goode"
To Renew approx. 15 sq. ft. of Aft Side Wall in
Port Boiler

(contd.)

TODD SHIPYARDS CORPORATION (contd.)

6531 - San Pedro - S. S. "Ocklawaha"
To Renew Oil-Burner Shapes and to Paint Brickwork with High Temperature Cement and to Patch Chrome Ore

6564 - San Pedro - S. S. "Paul M. Gregg" -
To Repair Boiler as directed by port engineer

6567 - San Pedro - S. S. "Dartmouth Victory" -
To Furnish Labor and Material to Renew Floors and Patch Chrome Ore on Port and Starboard Blrs.

6603 - San Pedro - S. S. "James Cook" -
To Repair Port and Starboard Boilers

EXTRA--To Furnish Labor & Mat. to Install Refractory in

6622 - San Pedro - S. S. "Steel Chemist" -
To Tear out and Renew Front Wall on Port and Starboard Boilers
Panel and Three (3) Bridges.

6634 - San Pedro - S. S. "Oleum" - Renew Decks and Side Walls in Port and Starboard Boilers

6653 - San Pedro - S. S. "A. C. Rubel"
Necessary Repairs to Boiler

6721 - San Pedro - S. S. "Paul M. Gregg"
To Repair Forward and Aft Boilers

6745 - San Pedro - S. S. "Oleum"
To Renew Front Walls and Chrome Ore in Port and Starboard Boilers

6760 - San Pedro - S. S. "Caribbean"
To Tear out and Renew Chrome Ore, Side Walls, Deck and Top Wall in Two (2) Boilers

6768 - San Pedro - S. S. "Shawnee Trail"
Three Top Courses of Brick and Plastic on Front Wall, and four Burner Cones

6799 - San Pedro - S. S. "A. C. Rubel"
To Renew Top Headers and Patch Front Wall in Two (2) Boilers

6843 - San Pedro - S. S. "Lompoc" - To Patch Side Walls and Renew Corbel in Back Walls of Two (2) Blrs.

TODD SHIPYARDS CORPORATION (contd.)

6859 - San Pedro - S. S. "Janna"
To Renew Front Wall, Deck, Side Walls, Baffle Tile and Part of Rear Wall in Port Boiler

6890 - San Pedro - S. S. "James Cook"
To Renew Insulation and Top Halves of Both Side Casings in Starboard Boilers. Renew Casings in Port Boiler
(A) - To Renew Front Wall and Burner Throat in Two (2) Boilers

6900 - San Pedro - Union Oil Tanker, S. S. "St. Clair" - Brickwork on Fore and Aft Boilers

6908 - San Pedro - S. S. "Mission San Fernando" - To Repair Port Boiler

6920 - San Pedro - S. S. "Colina" - Repairs to Boiler

6933 - San Pedro - S. S. "Albert G. Brown" - Repair Port and Starboard Boilers

6936 - San Pedro - S. S. "Mission Capistrano" - Labor only for Repairs to Two (2) Boilers

6944 - San Pedro - S. S. "Cowanesque" - Labor only to Repair Boilers

6945 - San Pedro - S. S. "Ocklawaha" - Labor only to Repair Economizer

6955 - San Pedro - S. S. "Pecos" - To Rpr. Starbd. Blr.

6956 - San Pedro - S. S. "Mission Loreto" - Tear out and Renew Deck and Insulation on Boiler

6967 - San Pedro - Hospital Ship "Haven" Necessary Repairs to Two (2) Boilers

6973 - San Pedro - S. S. "Coxcomb Hill" - To Tear Out and Renew Burner Arches in Two Blrs.

6983 - San Pedro - S. S. "Santa Paula" - To Repair Port and Starboard Boilers

7021 - San Pedro - S. S. "Oleum" Necessary Repairs to Port and Starboard Boilers

(contd.)

TODD SHIPYARDS CORPORATION (contd.)

7025 - San Pedro - S. S. 'Choctaw"
Labor and Material for Necessary Repairs in Way of Tube Removal

7056 - San Pedro - S. S. "Loula Nomikos" -
To Renew Brickwork in Two (2) Boilers

7072 - San Pedro - U. S. S. "Melvin" - DD-680 -
To Remove and Install Plastic around Burner Opening of Superheater and Saturated Furnaces of Boilers #1, #2, #3 and #4.

7087 - San Pedro - S. S. "Paul M. Gregg"
Necessary Repairs to Forward and Aft Boilers

7110 - San Pedro - U. S. S. "Halsey Powell" - DD-686
To Rebrick Floor and Install Castable Refractories in Burners of Four (4) Blrs.--Labor and Material.
(A) - Attach Rear Wall

7131 - San Pedro - S. S. "Blue Grass State"
Furnish Labor and Material to Renew Two (2) Front Walls

7142 - San Pedro - S. S. "Wolverine State" -
To Repair Insulation in Way of Renewing Casing in Port and Starboard Boilers

7148 - San Pedro - S. S. "Pasig"
To Repair Chrome Ore on Boiler

7151 - San Pedro - S. S. "Hawaiian Wholesaler"
To Renew Insulation on Outboard Casing

7186 - San Pedro -USS "The Sullivann" (DD537)
Chrome Ore Boilers #1, #2, #3 and #4

7187 - San Pedro - S.S."Francine Clare" Removal
Necessary repairs to Boiler in way of Tube/

7193 - San Pedro - S.S."Despino"
Renew Brickword in Baffles of 2 Boiler

7196 - San Pedro - S.S."Pacific Ranger"
Renew approx. 50 sq.ft. insulation on one boiler
(A) - To Tear Out & Renew approx. 40 sq.ft. of Back Wall in Way of Removing Casing

(contd.)

TODD SHIPYARDS CORPORATION (contd.)

7203 - San Pedro - S. S. "Minititlan" -
To Renew Twelve (12) Burner Fronts

7211 - San Pedro - S. S. "Lompoc"
Necessary Repairs to Port and Starboard Blrs.

7225 - San Pedro - S. S. "Mission San Fernando" /Wall
To Renew Six (6) Sets of Burner Tile; Patch Front

7234 - San Pedro - U. S. S. "Comstock"
To Renew Floors and Corbel in #1 and #2 Boilers

7254 - San Pedro - S. S. "Andrill"
To Renew Insulation on Side Wall Casings

7257 - San Pedro - U. S. S. "Cushing" (DD-797)
Labor and Material to Repair Four (4) Boilers

7286 - San Pedro - S. S. "Leonidas-D"
Repair Port and Starboard Boilers

7287 - San Pedro - S. S. "David E. Day" - Brickwork
and Chrome Ore Repair in Port & Starboard Boilers

7298 - San Pedro - S. S. "Pacific Nomad"
Necessary Repairs to Starboard Boiler

7299 - San Pedro - S. S. "Seacomet"
Rebrick Port and Starboard Boiler

7303 - San Pedro - S. S. "Mascoma"
Repair Starboard and Port Boilers

7342 - San Pedro - S. S. "Reynoso"
Renew Brickwork in Port and Starboard Boilers

7347 - San Pedro - S. S. "Madero"
Repair Starboard Boiler

7351 - San Pedro - S. S. "Chryssi"
Necessary Repairs to Boiler

7352 - San Pedro - S. S. "L. P. St. Clair"
Neeessary Repairs to Boiler

7358 - San Pedro - S. S. "Harry Lundeberg"
Necessary Repairs to Boiler

TODD SHIPYARDS CORPORATION (contd.)

7363 - San Pedro - S. S. "Mata Redonda"
Renew Brickwork in Port and Starboard Boilers

7367 - San Pedro - U. S. S. "General Howzie"
Necessary Repairs to Port Boiler

7397 - San Pedro - S. S. "Paul M. Gregg" - Necessary Repairs to Aft & Forward Boilers

7398 - San Pedro - S. S. "St. Augustine Victory"
Necessary Repairs to Port and Starboard Boilers

7403 - San Pedro - S. S. "Mission San Miguel"
To Repair Starboard Boiler

7405 - San Pedro - S. S. "Cavolidi" - Necessary Repairs to Starboard Boilers

7406 - San Pedro - U. S. S. "Stanley" - Necessary Repairs to Boilers

7422 - San Pedro - S. S. "Oleum" - Necessary Repairs to Port Boiler

7431 - Los Angeles Division - San Pedro -
S. S. "Manhattan" - Necessary Repairs to One (1) Boiler

7435 - Los Angeles Division - San Pedro
S. S. "Pacific Importer" - New Front Wall in Port Boiler

7459 - Los Angeles Division - San Pedro- S. S. "Frederick Collins" - To Renew Deck and Top Half of Rear Wall in Port Boiler

7461 - Los Angeles Division - San Pedro - Necessary Repairs to Bort Boiler

7464 - Los Angeles Division - San Pedro (In yard)
To Rebrick Tube Bending Furnace

7471 - Los Angeles Division - San Pedro - S. S. "Sarangon" - renew Front Wall in Port Boiler
(A) - Tear Out and Renew Deck in Port Boiler of S. S. "Sarangon"
7486 - San Pedro - S. S. "James Cook" - To Renew Brickwork in Port and Starboard Boilers

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TODD SHIPYARDS CORPORATION (contd.)

7489 - Los Angeles Division - San Pedro - S. S."Mission Purisima" - To Renew Chrome Ore & Insulation in Way of Tube Removal

7503 - Los Angeles Division - San Pedro - S. S. "Purple Star" - Necessary Repairs to Port and Starboard Boilers

7509 - Los Angeles Division - San Pedro - S. S. "Seaborne" To Renew Front Wall and Floor in Port and Starboard Boilers

7532 - Los Angeles Division - San Pedro - S. S. "Oleum" Necessary Reparis to Port & Starboard Boilers

7542 - San Pedro - S. S. "Minatitlan"- Renew 2 Burner Cones

7552 - San Pedro - S. S. "David & Day" - Renew Burner Cones in Port & Starboard Boilers

7555 - Los Angeles Division - San Pedro - To Renew Insulation over Roof Tubes of Aft Boiler

7572 - Los Angeles Division - San Pedro - S. S. Landonberg" - Necessary Repairs to Port and Starboard Boilers

7589 - San Pedro - S. S. "Samarinda" - Necessary Repairs to Starboard Boiler

7590 - San Pedro - S. S. "Panamin" - Reinsulate 8 Superheater Doors

7598 - Los Angeles Division - San Pedro - S. S. "President Garfield" - Necessary Repairs to Boiler

7637 - Los Angeles Division - San Pedro - S. S. "Chepatchet" - To Repair Port and Starboard Boilers

7638 - Los Angeles Division - San Pedro - S. S. "Esso Binghamton" - To Repair Port and Starboard Boilers

7650 - Los Angeles Division - San Pedro - Necessary Repairs to Furnace in Angle Smith Shop

7674 - Los Angeles Division - San Pedro - S. S. "Mata Redondo" - Boiler Repairs
(A) - Port Boiler Repairs

TODD SHIPYARDS CORPORATION (contd.)

7705 - Los Angeles Division - San Pedro - S. S. "Ames Victory" - To Renew all Brickwork & Insulation in One (1) Boiler

7707 - Los Angeles Division - San Pedro - S. S. "Mankato Victory " - To Rnew Front Wall, Deck Side Walls, Castable on Top of Rear Wall of Port Boiler

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7748 - San Pedro - S. S. "Harry Lundberg" - Necessary Repairs to Port and Starboard Boilers

7755 - San Pedro - S. S. "Canada Bear" - To Renew Front Wall in Port Boiler

7759 - San Pedro - S. S. "Callabee" - Necessary Repairs to Port Boiler

7762 - San Pedro - S. S. "Ocean Mail" - Necessary Repairs to One (1) Boiler

7779 - Los Angeles Division - San Pedro, Calif. S. S. "Oscar S. Strauss" - Necessary repairs to Port Boiler

7787 - San Pedro - S. S. "Lompoc" - to Repair Port and Starboard Boilers

7810 - San Pedro - U. S. S. "Appalachian" To Tear Out and Renew Deck and Sloping Section of Roof in Port and Starboard Boilers

7812 - San Pedro - S. S. "Wolverine State" - To Renew Front and Rear Walls of Port Boiler

7850 - San Pedro - S.S. "Santa Paula" -Repairs to Port and Starboard Boilers

7868 - San Pedro - SS "Marven" -Renew approx 25 sq.ft. of Casing Insulation on Starboard Boiler

7869 - San Pedro -SS "Burco Trader" - Renew brickwork Complete in Port Boilers

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7714-A- Renew Tile & Insulation in Way of Tube Removal

7897 - San Pedro - S. S. "Lawak" - Necessary Repairs to Starboard Boiler

TODD SHIPYARDS CORPORATION

7901 - San Pedro - S. S. "Marine Arrow"
Necessary Repairs to Port Boiler

7937 - Los Angeles Division - San Pedro
S. S. "Flying Spray"
Neces. Briekwork Repairs to Port & Starboard Boilers

7943 - Los Angeles Division - San Pedro
S. S. "Mata Redondo"
Necessary Repairs to Port and Starboard Boilers

7951 - San Pedro - U. S. S. "Wiley" (DD597) - Renew castable Corbals in Boilers #1 & #2, #3 & #4.
Material for Access Doors for Boiler 1, 2, and 4.

7957 - San Pedro - S. S. "Mata Redondo" - Necessary Repairs to Starboard Boiler Damaged in Explosion

7959 - San Pedro - S. S. "Paul M. Gregg" - Necessary Repairs to Forward and Aft Boilers
(A) - To Tear Out and Renew all Tile and Insulation in Way of Side Walls on Forward & Aft Boilers

7986 - San Pedro - S. S. "Cynthia Olson"- Necessary Repairs to Port & Starboard Boilers

7995 - L. A. Division - San Pedro - S. S. James Cook
Repair Brickwork in Port & Starboard Boiler

7999 - San Pedro - U. S. S. Telfare
Neces. Repairs to Port and Starboard Boilers

8006 - San Pedro - S. S. "Ticonderoga"
Neces. Repairs to Port & Starboard Boilers

8028 - San Pedro - U. S. S. "Jason"
To Furnish Labor & Material to Renew Brickwork Complete in Four (4) Boilers

8050 - San Pedro - S. S. "Wolverine State"
To Renew Necessary Insulation Work on Two (2) Boilers

8072 - San Pedro - S. S. "A. C. Rubel"
Neces. Repairs to forward and aft Boilers

TODD SHIPYARDS CORPORATION (contd.)

San Pedro -

8080 - ~~Vernon~~ - U, S. S. "Escambia"
Necessary Repairs to Port and Starboard Boilers

8085 - San Pedro - S. S. "Oleum"
Neces. Brickwork Repairs to Port & Starboard Blrs.

8110 - San Pedro - S. S. "Petroqueen"
Brickwork Repairs to Starboard Boiler

8111 - Todd Shipyards Corp - San Pedro - S. S. "Western Ocean" - Brickwork Repairs to Port & Starboard Blrs

8112 - San Pedro - S. S. "Morning Light"
Neces. Repairs to Starboard Boiler

8119 - San Pedro - S. S. "David E. Day"
Renew Front Wall in Port & Starboard Boilers

8123 - San Pedro - S. S. "Santa Maria"
Neces. Repairs to Port and Starboard Boilers

8133 - San Pedro - U. S. S. "Kennebec"
To Repair Port and Starboard Boilers

8139 - San Pedro - S. S. "Cedar Creek"
Necessary Repairs to Port and Starboard Boilers

8146 - San Pedro - S. S. "L. P. St. Clair"
Brickwork Repairs to Forward and After Boilers

8170 - San Pedro - U.S.S. "Shawnee Trail"
Renew Front Walls Complete in Port & Starboard Blr

8185 - San Pedro - S. S. "Reynosa" - Renew Floor & Baffle Tile in Way of Tubes in Port Boiler; To Renew Baffle Tile in Way of Two Tubes in Starboard Boiler

8197 - San Pedro - Necessary Repairs to Stationary Blr#1

8201 - San Pedro - S. S. S. "Sabine"
Insulate Doors on Boilers #1, 2, 3, and 4

8221 - San Pedro - S. S. "Joshua Hendy"
Renew Tile and Insulation on Roof of 2 Boilers

TODD SHIPYARDS CORPORATION (contd.)

8239 - San Pedro - S. S. "L.P. St Clair"
Necessary Repairs to Forward Boiler

8248 - San Pedro - S. S. "Pamanet" - Renew Floors
& Front Walls in Port and Starboard B&W Boilers

8253 - San Pedro - S. S. "Kern Hills"
Neces. Repairs to Port and Starboard Boilers

8256 - San Pedro - S.S. "Guadalupe"
Neces. Repairs to Boilers Nos. 1, 2, 3, and 4

8277 - San Pedro - U.S.S. "Chikaskia"
Neces. Repairs to Boilers Nos. 1, 2, 3, and 4

8285 - San Pedro - S. S. "James Cook"
Pack Burner Cones in Port and Starboard Boilers

8294 - San Pedro - U.S.S. "C. J. Kimmel"
Necessary Repairs to #1 and #2 Boilers

8296 - San Pedro - S. S. "New London"
Necessary Repairs to Port and Starboard Boilers

8338 - San Pedro - U.S.S. "Izard" -
Repairs to Boilers Nos. 1, 2, 3, & 4

8341 - San Pedro "S.S. Salinas" -Fill Access Door
on Boilers #3 and #4

8359 - San Pedro - S. S. "Mission Soledad"
Repairs to Port and Starboard Boilers

8370 - San Pedro - S. S. "Cynthia Olsen"
Renew Plastic Burner Front in Port Boiler

8378 - San Pedro - S. S. "Minnesota"
Repairs to Port and Starboard Boilers - Labor Only

8393 - San Pedro - S. S. "Pennington"
Repairs to Port Boiler

TODD SHIPYARDS CORPORATION (contd.)

8400 - San Pedro - U.S.S. Cimarron
Repairs to Boilers #2, #3, & #4

8408 - San Pedro - S. S. "Transwestern"
Repairs to Port and Starboard Boilers

8420 - San Pedro - S. S. "Santa Maria"
Repairs to Port and Starboard Boiler

8424 - San Pedro - U.S.S. "Cohocton"
Labor and Material to Tear-Out and Rebuild
Port and Starboard Boilers

8444 - San Pedro - S. S. "Pacific Bear"
Tear Out and Renew Front Wall, Rear Wall, Side Walls, Floor & Patch Chrome Ore on Side Walls on #2 Port Boiler

8458 - San Pedro - S. S. "Charles S. Jones"
Renew Tile and Insulation on Sloping Top Section of After Boiler

8462 - San Pedro - Replace Fire Brick Lining in Stationery Boiler #4

8513 - San Pedro - S. S. "Bennington"
Repairs to B. & W. Boiler

8536 - San Pedro - S. S. "Harry Lundeberg"
Furnish labor and Material to Replace Burner Cone in Port Boiler

8540 - San Pedro - S. S. "Caltech Genoa"
Repairs to Port and Starboard Boilers

8558 - San Pedro - S. S. "Seminole".
Rebrick Two Boilers

8561 - San Pedro - Repairs to York Shipley Boiler

8612 - Transmarine Navigation Corporation
Berth 158, Wilmington - S. S. "Villa de Brugine"
Labor and Material to Remove & Renew Brickwork in Port Boiler

8637 - San Pedro - S. S. "Lompoc"
Repairs to Port and Starboard Boilers

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TODD SHIPYARDS CORPORATION (contd.)

8641 - San Pedro - S. S. "Orion Comet"
Renew Top Course of Splits from the Floor of Port & Starboard Boilers, & Patch Burner Throat

8651 - San Pedro - S. S. "Chowanoc"
Renew Top Course of Brick in Foster Wheeler Boiler

8653 - San Pedro - S. S. Alice Brown"
Repairs to Port Boiler

8699 - San Pedro - S.S. "Reynosa"
Repairs to Port and Starboard Boilers

8703 - San Pedro - Repair 12 Burners and Patch Brickwork on Stationary Furnace

8709 - San Pedro - S.S. "Hai Siu"
Repairs to Starboard Boiler

8719 - San Pedro - S. S. "Maryland Trader"
Repairs to Port Boiler

8729 - San Pedro - S. S. "Fritzorf Nansen"
Renew Rear Wall in Port Boiler

8744 - San Pedro - S. S. "Indian Bear"
Tear Out and Renew Front Wall, Floor; and Patch Chrome Ore in Port Boiler

8763 - Todd Shipyards Corporation - San Pedro
Furnish Labor & Material to Rebrick Stationary Boiler #3

8771 - Todd Shipyards corporation- San Pedro
S. S. "Harry Lundeberg"
Repairs to Port and Starboard Boilers

8803 - San Pedro - S. S. "Robert Westert"
Renew Two (2) Burners

8804 - San Pedro - U.S.S. "Carter Hall"
Repairs on Boilers #1 and #2

8812 - San Pedro - S. S. "Charles F. Jones"
Repairs to Forward and After Boilers

(contd.)

TODD SHIPYARDS CORPORATION

8820 - San Pedro - U.S.S. Caliente
Tear Out and Renew Brickwork and Insulation above

8824 - San Pedro - S. S. "Frank S. Morgan"
Rebrick Forward and Aft Boilers

8832 - San Pedro - S. S. "Minnesota"
Fill Access Doors on Port and Starboard Boilers

8851 - San Pedro - LST-827 "Hillsboro County"
Repairs to Cleaver-Brooks Boiler

8860 - San Pedro - S. S. "Andros Sea"
Repairs to Port and Starboard Boiler

8884 - San Pedro - S. S. "Atlantic Navigator"
Necessary Repairs to Port Boiler

8890 - San Pedro - S. S. "David Day"
Repairs to Port and Starboard Boilers

8896 - San Pedro - U.S.S. "Ponchatoula"
Furnish Labor & Material to Tear Out and Replace Plastic in Port & Starboard Boiler

8938 - San Pedro - S. S. "Poza Rica"
Renew Plastic Burners on Two (2) Boilers

8937 - San Pedro - S. S. "Pacific Reliance
Repairs to Port and Starboard Boilers

8957 - San Pedro - U.S.S. L.S.M-455
Rebrick One (1) Cleaver Brooks Boiler

8966 - San Pedro - S. S. "Philippine Bear"
Repairs to Starboard Boiler

8980 - San Pedro - S. S. "American Trader"
Repairs to Port and Starboard Boilers

9003 - San Pedro - S. S. "Seaborne"
Patch Port Boiler

(contd.)

TODD SHIPYARDS CORPORATION

9021 - San Pedro - U.S.S. "Cedar Creek" -T2 Tanker
Labor Only to Repair Port and Starboard Boilers

9042 - San Redro "YD 156". - rebrick Small Boiler

9052 - San Pedro - U. S. S. "Walter B. Cobb" (DE-596)
Repairs to Boiler #2 -

9060 - San Pedro - U.. S. S. "Tappahammack"
Repairs to Port and Starboard Boilers

9065 - San Pedro - S. S. "Young America"
Repair Casing Insulation on Port Boiler

9069 - San Pedro - U.S.S. "Goss"
Patch Rear Wall #2 Boiler

9077 - San Pedro - S. S. "Collumbella"
Repair Forward Side Casing Insulation of
Starboard Boiler

9078 - San Pedro - S. S. A0146 "Kawishiwi"
Repairs to Port and Starboard Boilers

9081 - San Pedro - S. S. "Seven-Seas" "Virginia Trader"
Furnish Labor Only to Tear Out Brickwork and Chrome
Ore complete in Port and Starboard Boilers

9110 - San Pedro - S.. S.. "Philippine Transport"
Repairs to Port Boiler

9118 - Long Beach - S.. S.. "Willamette Trader"
Repairs to Port Boiler

9122 - San Pedro - S.. S.. "Andros Lion"
Casing Insulation on Port and Starboard Boilers

9123 - San Pedro - S.. S.. "Minnesota"
Repairs to Port Boiler

9136 - San Pedro - S.. S.. "Hawaiian Refiner"
Repairs to Starboard Boiler

9155 - San Pedro - S. S. "Santa Maria"
Repairs to Port and Starboard Boilers

(contd.)

TODD SHIPYARDS CORPORATION

9176 - San Pedro - S. S. "Lundeberg"
Repairs to Port and Starboard Boilers

9182 - San Pedro - S. S. "Willamette Trader"
Insulation Repairs on Starboard Boiler

9198 - San Pedro - S. S. "Syosset"
Repairs to Port and Starboard Boilers

9211 - San Pedro - S. S. "Robert Weitert"
Repairs to both Boilers

9212 - San Pedro - S. S "Charles S. Jones"
Repairs to Forward and After Boilers

9236 - San Pedro - S. S. "Andros Springs"
Repairs to Starboard Boilers

9251 - San Pedro - S. S. "Leilani"
Rebrick Front Wall in #3 Boiler

9270 - San Pedro - S. S. "Westford"
Renew Plastic Burners in Two (2)
Scotch Marine Boilers

9276 - San Pedro - S. S. "Eastern Gulf"
Repairs to Port and Starboard Boilers

9277 - San Pedro - Derrick Barge "Coronado"
Repair Boiler

9280 - San Pedro - S. S. "David E. Day"
Repairs to Port and Starboard Boilers

9295 - San Pedro - S. S. "Mission Carmel"
Port Boiler - Insulation Repairs to Economizer
Outer Casing; Starboard Boiler - Major
Brickwork and Insulation Repairs

9299 - San Pedro - S. S. "Ras Al Ardh"
Repair Port and Starboard Boilers

9309 - San Pedro - S. S. "Ebano"
Patch Burners on Scotch Marine Boiler

9342 - San Pedro - S. S. "Orion Star"
Repairs to Starboard Boiler

(contd.)

TODD SHIPYARD CORPORATION (CONTD.)

9346 - San Pedro - S. S. ~~"Mission Carmel"~~ "Orion Comet"
~~Renew Floor in Starboard Boiler~~
Repairs to Port and Starboard Boilers

9349 - San Pedro - S. S. "Rio Sacramento"
Repairs to Port Boiler

9367 - San Pedro - S. S. "Hawaiian"
Repair Starboard Boiler

9387 - San Pedro - S. S. "Stanovse Sidney"
Repairs to Port and Starboard Boilers

9395 - San Pedro - U.S.S. "Chemung"
Repairs to Boilers #2 and #4

9398 - San Pedro - U.S.S. "Mahoning County" LST-914
Repairs to Cleaver-Brooks Boiler

9400 - San Pedro - S. S. "Minatitlan"
Pound Plastic in Five (5) Burners

9406 - San Pedro - S. S. "Wilchief"
Repairs to Port and Starboard Boilers

9414 - San Pedro - S. S. "Andros Sea"
Repairs to Starboard Boiler

9443 - San Pedro - S. S. "Las Estancia"
Install Plastic in Three Burners on Scotch Marine Boiler

9444 - San Pedro - S. S. "Myriam III"
Renew Rear Wall, Floor, Front Wall, Plastic on Top of Side walls, ~~Plastic on Top~~ and Replace Metal Baffles with Refractory Baffles in Port Boiler

9447 - San Pedro - S. S. "Avila"
Repairs to Port and Starboard Boilers

9468 - San Pedro - U.S.S. "Merrick A.K.A.97
Furnish Labor & Material to Renew Floor Complete in Port Boiler

9476 - San Pedro - S.S. "Hawaiian Rancher"
Repairs to Starboard Boiler

(contd.)

TODD SHIPYARD CORPORATION (contd.)

9480 - San Pedro - S. S. "Sunreel"
Rebrick Starboard Boiler Complete

9538 - San Pedro - S. S. "C. E. Dant"
Repairs to Port Boiler

9552 - San Pedro - U.S.S. "Belle Grove"
Repairs to Boiler #1 and #2

9553 - San Pedro - S. S. "Hawaiian Farmer"
Repairs to Port Boiler

9604 - San Pedro - U.S.S. "Paul Revere"
Line Trash Burner and Install Refractory and Insulation in Boilers #1 and #2
(A) - Detrick Material

9615 - Todd Shipyards Coporation - San Pedro
S. S. "Hawaiian Farmer"
Repairs to Port and Starboard Boilers

9642 - San Pedro - S. S. "Orion"
Repairs to Port and Starboard Boilers

9650 - San Pedro - S. S. "David E. Day"
Repairs to Port and Starboard Boilers

9690 - San Pedro - U.S.S. "Shea" (DM 30)
Repairs to #1, #2, and #4 Boilers

9723 - San Pedro - S. S. "Hawaiian Builder"
Repairs to Starboard Boiler

9735 - San Pedro - S. S. "Sappa Creek"
Repairs to Port Boiler

9748 - San Pedro - S. S. "Wexford County" LST1168
Repairs to Two (2) Cleaver Brooks Boilers

9770 - San Pedro _ U. S. "Engage" MSU #433
Renew Castable in Rear Door of #1 Boiler and Patch Rear Door #2 Boiler

9777 - San Pedro - S. S. "Gold Stream"
Repairs to Port and Starboard Boilers

TODD SHIPYARDS CORPORATION

9798 - San Pedro - U.S.S. "Epping Forest" LST-4
Repairs to #1 and #2 Boilers

9805 - San Pedro - S.S. "Lompoc"
Repairs to Port and Starboard Boilers

9821 - San Pedro - U.S.S. "Caliente"
Repairs to Boilers 1, 2, 3, and 4

9831 - San Pedro - U.S.S. "Carter Hall" - LSD #3
Repairs to Boiler #1

9864 - San Pedro - U.S.S. "Platte"
Brickwork Repairs to Boiler

9896 - San Pedro - "Alaska Spruce"
Repairs to Boiler

9930 - San Pedro - S. S. "Hawaiian Retailer:
Repairs to Port & Starboard Boilers

9938 - San Pedro - U.S.S. "Cimafron"
Repairs to #2 Boiler

9957 - San Pedro - S. S. "San Luciano"
Repairs to Port Boiler

9968 - San Pedro - S. S. "Trojan"
Repairs to Port & Starboard Boilers

9970 - San Pedro - U.S.S. "Wilkensen"
Repairs to #1A, #1B, #2A & #2B Boilers

9978 - San Pedro - S. S. "Jefferson City Victory"
Repairs to Port & Starboard Boilers

9982 - San Pedro - S. S. "Java Mail"
Repairs to Boiler

1008 - San Pedro - S. S. "Charles Jones"
Repairs to Two Boilers

1011 - San Pedro - S. S."A. C. Rubel"
Repairs to Forward & After Boilers

TODD SHIPYARDS CORPORATION

1044 San Pedro - S. S. "Minnesota"
Repairs to Port & Starboard Boilers

1057 San Pedro - S. S. "Torrey Canyon"
Repairs to Starboard Boiler

1105 San Pedro - S. S. "L. P. St. Clair"
Repairs to Forward & Aft Boilers

1114 San Pedro - S. S. "Santa Mariana"
Repairs to Insulate 4 Boiler Doors

1124 San Pedro - U.S.S. "Hanna" DE-449
Repairs to Boilers #1 and #2

1131 San Pedro - Moore McCormack Lines Inc.
Single Screw Cargo Vessel - Labor Only to Install
Brickwork on Two CE Type D Boilers

1165 San Pedro - S. S. "Almena"
Repairs to Port Boiler

1224 San Pedro - USS "Pine Island" (AV-12)
Repairs to Boilers #1, #2 & #4

1229 San Pedro - SS "Thetis Bay" - Renew Plastic Refractories
Corbel along water drum in #2 Boiler

1257 San Pedro - SS "Chemung" -
Necessary repairs to Boiler #3.

1306 San Pedro - USS "Brice Canyon"
Repair Boiler #1.

1358 - San Pedro - Rebuild Angle Furnace

1412 - San Pedro - SS "Sonoma" - Necessary repairs to Port Blr.

1413 - San Pedro - SS "David E. Day" - Necessary repairs to
both boilers

1415 - San Pedro - SS "Minnesota" - Necessary repairs to Boiler.

TODD SHIPYARDS CORPORATION (Continued)

1466 - San Pedro
SS "Frank Morgan" - Necessary repairs to Port and Starboard Boilers

1473 - San Pedro
SS "Atlantic Glory" - Necessary repairs to Port and Starboard Boilers

1512 - San Pedro
"SS Okanogan" - Necessary repairs to #2 Boiler

1529 - San Pedro
SS "Reynosa" - Necessary repairs to Port & Starboard Boilers

1535 - San Pedro
SS "India Mail" - Necessary repairs to Port Boiler

1539 - San Pedro
SS "Lompoc" - Necessary repairs to Port & Starboard Boilers

1563 - San Pedro
USS "Caliente" - Necessary repairs to #3 Boiler

1564 - San Pedro
"SS "Guadalupe" - Necessary repairs to Boiler #2 Economizer

1571 - San Pedro
USS "Ashtabula" - Repair brickwork in Boilers #1, #2, #3 and #4

1589 - San Pedro
Labor only to Rebrick Two CE "D" Type Boilers Hull #77

(A) - Labor only to Rebrick Two CE "D" Type Boilers Hull #78

(B) - Labor only to Rebrick Two CE "D" Type Boilers Hull #79

(C) - Repairs due to damage of materials

(D) - Baffle in Steam Drum Hull #78

(E) Baffle steam drum in Hull #79

1600 - San Pedro
Labor only to Brick 4 Boilers Hull #76

(A) - Labor & material to install castable refractory Baffle on Screen Tubes adjacent to water drum.

1614 - San Pedro
USS "Union" (AKA-106)
Necessary repairs to Boilers #1 and #2

TODD SHIPYARDS CORPORATION (Continued)

1656 - San Pedro
SS "Barbara Jane" - Necessary repairs to Port and Starboard Boilers

1686 - San Pedro
SS "Eagle Traveler"
Necessary repairs to Port and Starboard Boilers.

2033 - San Pedro -
USS "Tolvana" - Necessary repairs to #1, 2, 3 & 4 Boilers

2067 - San Pedro
SS "Steel Recorder" - Necessary repairs to Port Boiler

2122 - San Pedro
SS "Matsonian" - Furnish labor and material to install brick in access doors of 11 boilers.

2127 - San Pedro
SS "Orion Star" - Necessary repairs to Port and Starboard Boilers

2141 - San Pedro
USS "Marsh" (DE 699)
Necessary repairs to Boilers #1 & #2

2143 - San Pedro
USS "Paul Revere (APA-248)
Necessary repairs to Boilers #1 & #2

2158 - San Pedro
SS "Orion Comet" - Necessary repairs to Port and Starboard Boilers

2293 - San Pedro
USS "Mispillion"
Repair Brickwork on Boilers 1, 2, 3 and 4

TODD SHIPYARDS CORPORATION :(Continued)

2343 - San Pedro
SS "Escape"
Renew front, rear and side walls, roof and floor complete of Port and Starboard Boilers

2347 - San Pedro
SS "Chepatchet"
Necessary repairs to Starboard Boiler

2392 - San Pedro
USS"Guadalupe"(AO-32)
Repairs on Boilers #2, 3 and 4

2409 - San Pedro
SS"Renville"
Necessary repairs to #2 Boiler

2429 - San Pedro
SS"Konstantinos V"
Necessary repairs to Port Boiler

2439 - Todd - San Pedro
2438 - SS "Point Reyes"
Necessary repairs to Forward and After Boilers

2475 - San Pedro
SS "Orion Clipper" - Necessary repairs to Port & Starboard Boilers

2476 - San Pedro
SS "Oregon" - Repairs to Port & Starboard Boilers

2485 - San Pedro
USS "Passumpsic (AO-107)
Necessary repairs to Boilers #1, 2, 3 & $ 4

2489 - San Pedro
SS "Ce Dant" - Necessary repairs to Starboard Boiler

TODD SHIPYARDS CORPORATION (Continued)

2631 - Long Beach
SS "Lakmos" -
Rebrick Galley Range

2641 - San Pedro
SS "Acapulco"
Repairs to #4 Boiler

2645 - San Pedro
SS "Indian Mail"
Install brickwork on loop end of Superheater of Starboard Boiler

2648 - San Pedro
USS "Oak Hill" (LSD-7)
Necessary repairs to Boilers #1 and #2

2722 - San Pedro
Labor only to install brickwork and insulation on Four (4) C-E Boilers, HULL #80

2750 - San Pedro
USS "Currituck" (AV-7)
Repairs to Boilers #1, 2 and 3

2754 - San Pedro
SS "Santa Maria"
Patch Port and Starboard Boilers

2764 - San Pedro
SS "Villa Marion"
Necessary repairs to Port and Starboard Boilers

2767 - San Pedro Contract with Bethlehem Steel
USS "Chemung"
Necessary repairs to Boilers #1, #2, #3 and #4

2784 - San Pedro
SS "Gold Stream" (T2 Tanker)
Repairs to Starboard Boiler

2787 - San Pedro
USS "Tolovana"
Repairs to Boilers #1, #2, #3 and #4

TODD SHIPYARDS CORP (Continued)

2841 - San Pedro
SS "Colonial"
Necessary repairs to #1 and #2 Boilers

2842 - San Pedro
SS "Avila"
Necessary repairs to Port & Starboard Boilers

3027 - San Pedro
USS "Washburn"
Repairs to Boilers #1 and #2

3071 - San Pedro
SS "Golden Bear"
To install Castable material in 3 Fireside Doors

3078 - San Pedro
SS "Santa Maria"
Repairs to Port and Starboard Boilers

3084 - San Pedro
SS "Cassatot"
Reline Access Door

3181 San Pedro
SS 'Robinson'
Necessary repairs to #2A Boiler

3206 San Pedro
SS "Jerico"
Necessary repairs to Port and Starboard Boilers

3212 San Pedro
SS "Japan Bear"
Rebrick eight (8) access doors

3243 San Pedro
SS "Bennington"
Necessary repairs to two B&W Boilers (Port and Starboard)

3367 San Pedro
"Dredge" (Sealane)
Necessary repairs to port and starboard boilers

TODD SHIPYARDS CORP - cont'd

3408 San Pedro
SS "California Mail"
Repairs to port boiler

3450 San Pedro
USS Diachenko
Repairs to #1 and #2 Boiler

3455 San Pedro
USS Curritck
Repair Boilers #1, #2 and #3

3481 SS Navarino
Repairs to port and starboard boilers

3494 San Pedro
"SS Avila"
Repairs to port and starboard boiler

3536 San Pedro
"SS Argyle"
Necessary repairs to port boiler

3574 San Pedro
"SS Eagle Traveler"
Necessary repairs to starboard boiler

3631 San Pedro
"X USS Barrett"
Necessary repairs to port and starboard boilers.

3646 Long Beach
"SS Oceanic Spray"
Repairs to port boiler

3636 CHEVRON SHIPPING CO.
STANDARD OIL COMPANY (DIV. OF CHEVRON SHIPPING CO.)
San Pedro
"SS Arizona Standard"
Repairs to port and starboard boilers.

3688 "SS Hope Victory"
San Pedro
Complete brickwork on port and starboard boilers

(A) Rebrick galley range

3703 "SS Hawaiian Motorist"
San Pedro
Repairs to port and starboard boilers

(A) Additional repairs to port and starboard boilers
(B) Brickwork repairs

3704 "USNS Weigel"
San Pedro
Necessary repairs to boilers #1, #2, #3 and #4

(A) Repairs to #3 Boiler

3716 "SS Xaviar Victory"
San Pedro
Rebrick galley range

3726 "USS Cacapon"
San Pedro
Install 2" insulation in 8 access doors

3735 "SS Amoco Delaware"
Long Beach
Necessary repairs to starboard boiler

3738 "SS Presidente Guerrero"
San Pedro
Rebrick port and starboard boilers

(A) Rebrick galley range

3760 "SS American Trapper"
San Pedro
Repairs to port and starboard boilers

TODD SHIPYARDS CORP (Con't)

3765	San Pedro "USS Yorktown" Necessary repairs to boilers #1, 3, 4, 5, and 6
3766	San Pedro "SS Frank Morgan" Line 6 boiler casing doors
3788	San Pedro "SS San Mateo Victory" Repairs to starboard boiler
3805	San Pedro "SS Toluga" " Labor only to repair boilers #1, 2, 3 and 4
3806	San Pedro "SS Guadalupe" Repairs to boilers #2, 3 and 4
3815	San Pedro "SS Hawaiian Rancher" Repairs to port and starboard boilers
3847	San Pedro "USS Platte" Reline 4 doors
3856	San Pedro "USS Toluca" Necessary repairs to #1, 2, 3 and 4 boilers
3887	San Pedro "SS African Glade" Insulate 2 doors
3895	San Pedro "SS Oceanic Spray" Repairs to port boiler

TODD SHIPYARDS CORP

3907 San Pedro
"USS Hamphhire County"
Repair boiler

3920 San Pedro
"SS Amoco Delaware"
Necessary repairs to port boiler

3933 San Pedro
"SS Avila"
Necessary repairs to port and starboard boilers

3943 San Pedro
"SS Ocean Anna"
Repairs to starboard boiler

3991 Standard Oil Co
"SS H. D. Collier"
San Pedro
Necessary repairs to port and starboard boiler

A) Repair as necessary for tube removal of starboard boiler

3993 Standard Oil Co
"SS H. D. Collier"
San Pedro
Repairs to windbox

4012 "USS Carter Hall"
San Pedro
Necessary repairs to boiler

4038 "USS Ashtabula"
San Pedro
Repairs to boilers 1, 2, 3, and 4

4087 USS "Tuluga"
San Pedro
Repairs to #1 boiler

4104 "USS Valley Forge"
Long Beach
Necessary repairs to boiler #1 thru #8

4113 "USS Talladega"
San Pedro
Repairs to boilers 1 and 2 - brickwork and access doors.

4124 "USS-Monticello" LSD-35
San Pedro
Repair boilers 1 and 2

4142 "SS Virginia"
San Pedro
Necessary repairs to port and starboard boilers

4155 "SS Moline Victory"
Wilmington
Repairs to starboard boiler

4163 "SS Oakland"
Long Beach
Repairs to port boiler

4164 "SS Young America"
Wilmington
Repairs to starboard boiler
A) Repair port boiler

4166 "SS David E. Day"
San Pedro
Repairs to port and starboard boiler

4173 "SS Navasota"
Long Beach
Repair boilers #3 and #4

4183 "SS California"
Repair port and starboard boilers

4195 "USS Carter Hall"
San Pedro
Necessary repairs to #2 boiler

4207 San Pedro
STARBOARD SHIPPING COMPANY
New York
"SS Asteri"
Necessary repairs to port and starboard boilers

4209 San Pedro
"SS Texaco California"
Necessary repairs to port and starboard boilers

4223 San Pedro
"SS Ocean Ulla"
Furnish labor and material to remove and renew burner front
Starboard boiler including new anchor clips and anchor bolts

4233 San Pedro
"SS Point Defiance"
Brickwork repairs boiler #2

4249 San Pedro
"SS Vanderbelt Victory"
Remove and renew brickwork

4087 USS "Taluga"
San Pedro
Repairs to #1 boiler

4104 "USS Valley Forge"
Long Beach
Necessary repairs to boiler #1 thru #8

4113 "USS Talladega"
San Pedro
Repairs to boilers 1 and 2 - brickwork and access doors.

4124 "USS-Monticello" LSD-35
San Pedro
Repair boilers 1 and 2

4142 "SS Virginia"
San Pedro
Necessary repairs to port and starboard boilers

4155 "SS Moline Victory"
Wilmington
Repairs to starboard boiler

4163 "SS Oakland"
Long Beach
Repairs to port boiler

4164 "SS Young America"
Wilmington
Repairs to starboard boiler
A) Repair port boiler

4166 "SS David E. Day"
San Pedro
Repairs to port and starboard boiler

4173 "SS Navasota"
Long Beach
Repair boilers #3 and #4

4183 "SS California"
Repair port and starboard boilers

4195 "USS Carter Hall"
San Pedro
Necessary repairs to #2 boiler

4207 San Pedro
STARBOARD SHIPPING COMPANY
New York
"SS Asteri"
Necessary repairs to port and starboard boilers

4209 San Pedro
"SS Texaco California"
Necessary repairs to port and starboard boilers

4223 San Pedro
"SS Ocean Ulla"
Furnish labor and material to remove and renew burner front
Starboard boiler including new anchor clips and anchor bolts

4233 San Pedro
"SS Point Defiance"
Brickwork repairs boiler #2

4249 San Pedro
"SS Vanderbelt Victory"
Remove and renew brickwork

4087 USS "Taluga"
San Pedro
Repairs to #1 boiler

4104 "USS Valley Forge"
Long Beach
Necessary repairs to boiler #1 thru #8

4113 "USS Talladega"
San Pedro
Repairs to boilers 1 and 2 - brickwork and access doors.

4124 "USS-Monticello" LSD-35
San Pedro
Repair boilers 1 and 2

4142 "SS Virginia"
San Pedro
Necessary repairs to port and starboard boilers

4155 "SS Moline Victory"
Wilmington
Repairs to starboard boiler

4163 "SS Oakland"
Long Beach
Repairs to port boiler

4164 "SS Young America"
Wilmington
Repairs to starboard boiler
A) Repair port boiler

4166 "SS David E. Day"
San Pedro
Repairs to port and starboard boiler

4173 "SS Navasota"
Long Beach
Repair boilers #3 and #4

4183 "SS California"
Repair port and starboard boilers

4195 "USS Carter Hall"
San Pedro
Necessary repairs to #2 boiler

4207 San Pedro
STARBOARD SHIPPING COMPANY
New York
"SS Asteri"
Necessary repairs to port and starboard boilers

4209 San Pedro
"SS Texaco California"
Necessary repairs to port and starboard boilers

4223 San Pedro
"SS Ocean Ulla"
Furnish labor and material to remove and renew burner front
Starboard boiler including new anchor clips and anchor bolts

4233 San Pedro
"SS Point Defiance"
Brickwork repairs boiler #2

4249 San Pedro
"SS Vanderbelt Victory"
Remove and renew brickwork

4253 San Pedro
"SS Helen D"
Repair starboard boiler

4263 Long Beach
"USS Bayfield"
Repairs to #1 and #2 boilers

4282 San Pedro
"SS California"
Repair port and starboard boilers

4289 San Pedro
"USS Upshur"
Repair port and starboard boilers

4296 Port Hueneme
"SS American Hawk"
Repair starboard blr

4302 San Pedro
"SS Green Bay Victory"
Repair starboard blr

4319 Terminal Island
"SS Merwelloyd"
Renew burners on 2 scotch marine boilers

4330 San Pedro
"SS Hawaiian"
Repair port and starboard boilers

TODD SHIPYARDS CORP. (Continued)

4338 San Pedro
"USS Cimarron"
Repair #3 boiler

4339 San Pedro
"SS Green Point"
Repair port and starboard boilers

4352 San Pedro
"SS Rutgers Victory"
Repair port and starboard boilers

4358 San Pedro
"SS Kings Point"
Repair port and starboard boilers

4361 San Pedro
"USS March DE 699"
Repairs to boilers 1 and 2

4370 San Pedro
"SS Steel Traveller"
Necessary repairs to port boiler

4379 Terminal Island
"SS Hawaiian Farmer"
Necessary repairs to starboard and port boilers

4384 Terminal Island
"SS American Eagle"
Repair starboard boiler

4395 San Pedro
"SS Loyola Victory"
Repair port and starboard boilers

4404 San Pedro
"USS Matthews"
Repair boilers #1 and #2

4405 San Pedro
"USS Platte"
Repair boilers 1, 2, 3, 4

4423 San Pedro
"SS J. H. MacGaregill"
Repairs to port boiler

4442 San Pedro
"SS Harvard Victory"
Repair port and starboard boilers

4453 San Pedro
"SS Geo. S. Long"
Necessary repairs to starboard boiler

4454 San Pedro
"USS American Hawk"
Repair port boiler

4456 Long Beach
"SS Massillon Victory"
Repair superheater access door

4467 San Pedro
"SS Hawaiian Retailer"
Repair on-port boiler

4468 San Pedro
"SS American Scientist"
Repair port and starboard boilers

4474 Long Beach
"DS Australic"
Repair small boiler

4479 San Pedro
"SS Hawaiian Rancher"
Repair starboard boiler

4495 San Pedro
"SS Lena Luckenbach"
Repair port and starboard boilers

4513 San Pedro
"USS Bella Grove"
Brickwork in way of tube removal in boiler #2

Weyerhaeuser Lines

4515 San Pedro
"SS Horace Irvine"
Repair port and starboard blrs

4523 San Pedro
"SS Mankato Victory"
Repair starboard boiler

4525 San Pedro
"USS Alamo"
Repairs to boilers 1 and 2

4531 San Pedro
"SS Pioneer Valley"
Repairs to starboard blr

4538 San Pedro
"SS Old Westbury"
Repair front wall of port boiler

4546 San Pedro
"SS Aldina"
Remove and renew front wall of port boiler

4553 San Pedro
"USS Marsh"
Repair #1 boiler

4575 San Pedro
"SS Santa Maria"
Repair port and starbcard boilers

4605 San Pedro
"USS Tolavano"
Repair blrs 1, 2, 3, and 4

TODD SHIPYARDS CORP. (Continued)

4617 San Pedro
"SS Sioux Falls"
Repair port and starboard boilers

4662 San Pedro
"SS Ocean Carrier"
Repair port and starboard boilers

4664 San Pedro
"USS Caliente"
Labor and material to remove and renew brickwork in boilers 1, 2, 3, and 4

4670 San Pedro
Stress relief furn

4684 "SS Navajo Victory"
San Pedro
Repair port and starboard boilers

4730 "SS Manderson Victory"
San Pedro
Repair port and starboard boilers

4750 (A) Additional repairs boiler 1 and 2

4764 "SS California"
San Pedro
Repair port boiler

4797 "USS Bayfield"
Long Beach
Repair boiler 1 and 2

4822 "USS Ashtabula"
San Pedro
FMR95 and FMR102
Blrs. 1, 2, 3 and 4 - Repairs to boilers, economizers and super heaters. FMR97 blrs. 1, 2, 3 and 4 repairs to boiler, furnace, brickwork and refractory

4823 "USS Navasota"
San Pedro
Repair boilers 1, 2, 3 and 4

4859 "SS Columbia Bankers"
San Pedro
Repair starboard boiler

4861 "SS Jaricka"
San Pedro
Repair starboard boiler'

4868 "SS Norberto Copay"
San Pedro (outer harbor)
Repair port boiler

4889 San Pedro
Repair #2 boiler
(not for a ship)

4914 "SS Amerigo"
San Pedro
Repair starboard boiler

4915 "USNS Pecos"
San Pedro
Repair port boiler

TODD SHIPYARD CORP.

4934	"USS Guadalupe"- San Pedro Insulate 4 doors
4941	"SS Sandy Lake"- San Pedro Repair port and starboard boilers
4951	"USS Davis" - San Pedro Install plastic refractory in two vapor corp boilers
4961	"USS C.E. Dant"- San Pedro insulate door of starboard boiler
4977	"USS Mispillion"- San Pedro Repair boilers 2 and 4
4983	USS Cimarron- San Pedro Necessary repairs to boilers 1,2,3, and 4
4990	"SS Beaver State"- San Pedro repair port boiler
4997	"SS Geo. S. Long"- San Pedro Repair to port and starboard boilers
4999	"SS Esso Seattle"- San Pedro Repair port and starboard boilers
5043	"SS Whittier Victory" San Pedro Insulate doors
5044	"SS Steel King" San Pedro Insulate Doors
5086	"SS Atlantic Trader" San Pedro Repair port and starboard boiler
5101	"SS Texaco New Jersey" San Pedro Repair port and starboard boilers

5181	"MSTS Richfield" Port Hueneme Repair starboard boiler	(5/68)
5206	"SS Washington Standard" San Pedro Repair port and starboard boilers	(6/68)
5239	"The Glacier" San Pedro Repair boilers #1 and #2	(7/68)
5252	"Brooklyn Heights" San Pedro (At Anchorage in Harbor) Repairs to port boiler	(7/68)
A)	Repair starboard boiler	(7/68)
5267	"SS American Pride" San Pedro Remove insulation for inspection	(7/68)
"A"	Repair Galley Range	7/68
5308	"SS Hawaiian Legislator" San Pedro Repair port and starboard boilers.	
5315	"SS Sea Train Ohio" Long Beach Repair port boiler.	
5321	"USS Ashtabula" San Pedro Repair #3 boiler.	
5333	"SS Ariz. Standard" San Pedro Repair port boiler.	
5341	"SS Jericha" Long Beach Repair starboard boiler.	
5342	"SS LaSalle" San Pedro Repair starboard boiler.	
5407	"SS Steel Executive" San Pedro Repair port boiler.	

5414 'A' Remove & Replace Burner Arches in Boilers 1 and 2. W.O. 10/28
Repairs boilers #1 and #2.

5415 San Pedro
Repairs to stationary boiler.

5447 San Pedro
Repair stationery boiler #1.

5454 San Pedro
"SS ROBIN GRAY"
Necessary repairs to starboard boiler.

5458 "SS JARICHA"
San Pedro
Necessary repairs to starboard boiler.

5516 "SS Chicago" 1/69
San Pedro W.O.
Replace Brickwork Port and
Starboard Boilers.

5517 "USS Guadalupe" 1/69
San Pedro W.O.
Repairs to Boilers 1,2,3, and 4.

5525 "USS Wheeling" 1/69
Port Hueneme W.O.
Repair Starboard Boiler

5539 "SS Lane Victory" 1/23/69
San Pedro W.O.
Repair Port and Starboard Boilers

5595 "USCG Tappahannock" 2/69
San Pedro WO
Repair #1 boiler

5599 "SS Tuttle" 3/69
San Pedro WO
Repairs to forward boiler

TODD SHIPYARDS CORP (Cont'd...)

5677	SS MEDUSA - San Pedro Repair starboard blr	4/69
5712	SS SOUTHERN STATE - Long Beach Repair port blr	5/69
5765	SS CANNABURY FALCON - Long Beach Repair port boiler	
5812	SS SANTA ADELLA - San Pedro Repair Port and Starboard blrs	7/69
5836	SS STEEL ARTISAN - San Pedro Repair starboard blr	8/69
5863	USS CUNNINGHAM - San Pedro Repair boiler #1	8/69
5876	SS J H TUTTLE - Long Beach Repair forward boiler	9/69
5944	SS ITALIA - San Pedro Repair 2 waste heat boilers	10/69
5990	USS HECTOR - San Pedro Repairs boilers 1, 2, 3 and 4	11/69
6031	SS MONTANA - San Pedro Port and Starboard blrs	12/69
6076	SS COLORADO - San Pedro Port and Starboard blrs	1/70
6100	SS SAN PEDRO - San Pedro Port and Starboard blrs	1/70
6125	SS CONNECTICUT - San Pedro ~~Forward and afterburners~~ Port Boiler	3/70
6139	SS SPRUCE WOODS - San Pedro Forward and afterburners	3/70

TODD SHIPYARDS CORP (continued)

6218	S S ENCO GLOUCESTER - San Pedro Port and starboard blrs	4/70
6272	SS AMERICAN FORWARDER - S Pedro Starboard Boiler	6/70
6294	SS VIRGINIA TRADER - San Pedro Port and starboard boilers	6/70
6339	SS CONNECTICUT - San Pedro Port and starboard boilers	7/70
6436	SS DURHAM - San Pedro	10/70
6447	CHEVRON LEIGE - San Pedro Port and starboard boilers	10/70
6453	SS ORIENTAL ARROW - Long Beach Repair port boiler	10/70
6462	SS JUNEAU - San Pedro Remove and install burner tile around 5 burner openings in Foster Wheeler boiler	11/70
6550	SS CALIENTE - San Pedro Repair Boilers 1, 2, 3 and 4	1/71
6606	SS STEEL CHEMIST - San Pedro Repair Port and Starboard Boilers	2/71
6665	SS AMERICAN CHIEFTAIN-San Pedro Repair Port and Starboard Boilers	3/71
6693	"SS AMERICAN TRADER" San Pedro Repair Port + Starboard Boilers	4/71
6716	"SS IDAHO" San Pedro Remove + Replace Burner tile in Starboard Blr	5/71

TODD SHIPYARDS (Continued)

6806	"Western Hunter" (Union Oil Dock #46) San Pedro Brickwork Repairs Port Boiler	7/71
6811	"SS Hawaiian Queen" San Pedro Repair Port and Starboard Boilers	7/71
6818	"SS California Bear" San Pedro Repairs to Port Side Boiler	7/71
6827	Caneelled-----	
6969	"SS Hawaiian Citizen", Term. Island Repairs to starboard boiler	11/71
7003	"SS Oakland", San Pedro Repair One boiler door	12/71
7019	"SS Pres. McKinley", San Pedro Repair Boilers	1/72
a-	Rebrick one door	9/15
7020	"SS Pres. Adams", San Pedro	1/72
7136	"SS President Filmore" Repairs to Boiler, Item #15	4/72
7205	"USS Ramsey" San Pedro Repair Foster-Wheeler Boiler	5/72
7340	San Pedro "SS Union Companion" Repairs to starboard boiler	9/5/72
A-	Repairs to port boiler	9/6/72

TODD SHIPYARDS CORP

7395	San Pedro - "SS Idaho" Repairs to port and starboard boiler.	10/72
7405	San Pedro - "SS Wyoming" Repairs to port and starboard boiler.	11/72
7439	San Pedro - "SS Pres. Lincoln" Repair port and starboard boiler.	11/72
7440	San Pedro - "SS Fetterman" Repair starboard boiler	11/72
7510	San Pedro - "USS O'ROARK" Repair Boilers #1A and #1B.	1/73
7565	San Pedro - "USS BADGER" Repair Boilers 1A and 1B.	2/73
7570	San Pedro - "SS HOLT" Repair #1B Boiler.	2/73
7642	"USS Badger" San Pedro	4/73
7759	"SS Council Grone" San Pedro Repairs to Port and Starboard boilers	7/73
7930	San Pedro Nec. repairs to #3 stationary boiler	10/25
8064	San Pedro SS J.H. Tuttle Repairs to port and starboard boilers	1/74
8078	San Pedro-SS Burma Amber Repairs to port and starboard boilers	2/74
8247	Long Beach-SS Clementina Repairs to port boiler	5/74
8446	San Pedro Repair No. 1 stationary boiler	8/74

TODD SHIPYARDS CORP

8600	USS McKean - San Pedro Repairs to Boilers 1, 2, 3, & 4	12/74
8658	SS Idaho - San Pedro Repairs to Port & Starboard Boilers.	1/75
8828	San Pedro - Atlantic Trader Repairs to Port & Starboard Boilers	5/75
8873	San Pedro - SS Santa Maria Repairs to Port & Starboard Boilers.	6/75
8880	SS Colorado Repair Ports & Starboard Boilers	7/75
8920	San Pedro -USS San Bernardino Repair 1A and 1B Boiler	7/75
9004	San Pedro-USS Coast Guard Glacier Nec Repairs to Boiler #2	10/75
9372	San Pedro - SS Mobil Oil Repair Port & Starboard Boilers	7/76
"A"	Repair Doors	
9345	San Pedro - "SS Council Grove" Nec Repairs to the Port & Starboard Boilers.	9/76
9488	San Pedro - USS Southerland Repair Boilers 1, 2, 3 & 4	10/76
"A"	Repairs to #1, 2, & 3 Boilers	1/77
"B"	Repairs to #1, 2, 3, & 4 Boilers	3/77
9738	San Pedro - USS Point Defiance Casing Repairs to #2 Boiler	4/77

TODD SHIPYARD CORPORATION

9889	"SS Mobil Maridian" Repair Port & Starboard Boiler	7/77
10173	SS Aquilla - San Pedro Repairs to Main Boiler	1/78
	October 1, 1977, Name Changed to: TODD PACIFIC SHIPYARDS CORP.	
10362	San Pedro - SS Dixie Repairs to Boilers 1, 2, 3, & 4.	5/78
11184	San Pedro SS Vera Cruz - Repairs to port and starboard boiler	9/79 CO
11496	San Pedro USS Duluth - Boilers #1 & 2	4/80
12090	San Pedro USS racine repairs to 1A & 1B auxiliary boilers	3/81

TORRANCE GASOLINE COMPANY

260 - See Southwestern Engineering Co.
Repair Work

TORRANCE MEMORIAL HOSPITAL

11203	ALLIED ENVIRONMENTAL- Torrance	
	Repairs to 100# pathological incinerator	10/79 CO

TORRANCE TUBING

6329	Torrance Boiler Repairs	7/70
6893	Torrance Repair Reducing Furnace	9/71
6959	Torrance Repair zink bath furnace	11/71
7704	Torrance, Necessary repairs to #1 acit tank, unit 381	5/73
10702	Torrance - Repair Screw Furnace	12/78
10707	Torrance - Repairs to #371 Pot	12/78

4/76 - Name Changed to Lion Oil Co
Changed name to TOSCO 1979

TOSCOPETRO CORP. (Bakersfield, Calif.)

6274	Bakersfield Repair # 7 boiler	5/70
6421	Repair #7 Boiler	9/70
6432	Refractory lining, flue gas lines	10/70
6514	Repairs on coker turnaround	12/70
6616	Hexteel Lining Material for top of TCC Reactor	3/71
6784	Repairs to Selas Heater #20-H-11	7/71
7047	Labor, equipment + material as necessary for Coker Turnaround	1/72
7137	TCC Reactor Lining	4/72
7535	Bakersfield Necessary Repairs to Selas Furnace.	1/73
7805	Toscopetro Corp. Bakersfield Labor and matl. to refractory line roof plates convertion box in transition section for heaters 16-H-11, 12,13,15.	8/73
"A"	Install new lining on existing structural members	8/73
7857	Bakersfield Repair #3 boiler	9/73
7906	Bakersfield Necessary repairs to the John Zink direct fired heater	

TOSCOPETRO (Continued) Changed to Lion Oil Co

8063	Bakersfield Repair brickwork on inside of boiler #2	1/74
8105 A	Bakersfield Repairs to Selas reformer heater Repair heater #22H-14	2/74
8118	Bakersfield Repair "B' reformer heaters #22H-11, 12, 13, 14 and 15	2/74
8212	Bakersfield Repairs to TCC unit turnabound	4/74
8286	Repairs to No: 8 boiler	6/74
8687 A	Repairs to HA-11 crude heater Repairs to 12H12 crude heater	6/74
8335	Repair Boiler #7	7/74
8378	Repairs to #1 boiler	7/74
8593	Bakersfield Repairs to Coker	12/74
8596	Bakersfield Repairs to #4 Boiler	12/74
8615	Bakersfield Nec Repairs to Reactor of the Coker	12/74
8708 "A"	Nec Repairs to Selas Heater Install burner tile in the 21H-11 & 21H-12 Feed Heater.	2/75
8845 "A"	Bakersfield - Repair #6 Boiler Repair #5 Boiler	6/75
8898	Bakersfield - Nec Repairs to #7 Boiler	7/75

TOSCOPETRO — Changed to Lion Oil Co.

8929	Bakersfield Nec Repairs #8 Boiler	8/75
9167	Bakersfield Nec Repairs to Selas Heater	2/76
"A"	Nec Repairs to Heaters #21-H, 17-H, 19-H, 11-H, 12-H	

4/76 - Name Changed to: LION OIL COMPANY

9434	Bakersfield - Refractory Repairs to TCC Kilns & Heaters.	9/76
"A"	Nec Repairs to 17-H11 Feed Heater	
9471	Zurn Energy Divn Zurn Industries Inc Bakersfield - Install Refractory Lining in Vortex Burner on 200,000 TPA Boiler	~~8/77~~ 10/76
"A"	Supply Materials Only.	3/77
9746	Bakersfield - Repairs to Fluid Coker Reactor	4/77
10115	Bakersfield - Install Ceramic Fiber Lining in Selas Reformer Heater	12/77
"A"	Refractory Repairs to Waste Heat Boiler	
"B"	Refractory Repairs to Hydrocracker Heater	
"C"	Refractory Repairs to Reformer Heaters 22-H-11, -12, -13 -14 & -15	
"D"	Point Up Burner Tile From Outside	
"E"	Repairs to TCC Kiln	
10590	Bakersfield - Repairs to Selas Heater	10/78

TOSCOPETRO CORPORATION

5/3/76 - Name Changed to Lion Oil Company

TOSCOPETRO CORPORATION

5/3/76 - Name Changed to Lion Oil Company

TOSCO CORPORATION

10856 Bakersfield – Repairs to TCC Unit 3/79

10930 Bakersfield – TCC Vacuum heater install refractory on the baffle plate 5/79

10996 Bakersfield
Nec. repairs to coker turnaround 6/79

"A" Repairs to H16-8-15 ~~desulfurizer~~ desulfurizer 6/79

11024 Bakersfield
Nec repairs to #7 boiler 7/79

11211 Bakersfield 10/79
Waste heat boiler plug

11520 Bakerfield 4/80
Nec. repairs to selas furnace

11717 Bakersfield 8/80
Repairs to floor of #7 boiler RCN

11718 Bakersfield 8/80
Refractory repairs to #8 boiler RCN

11813 Bakersfield 10/80
Repairs to elutriator #12
D-14

A Repairs to coker

B Repairs FCC kiln

TOSCO CORPORATION

12099 Bakersfield, CA 4/81
Burner throat on #9 boiler

12432 Bakersfield 11/81
Repairs to selas heater ducts

12446 Bakersfield, CA 11/81
"B" reformer area heaters 22H11 thru 22H15

12625 Bakersfield, CA 4/82
Repairs to coker

12612 Bakersfield, CA 3/82
Repairs to TCC unit

12734 Bakersfield, CA
Repair coker 7/82

12710 PATHWAY BELLOWS/MW KELLOGG
Carson Yard RCN
Install AA22 in four expansion joints

12834 Bakersfield, CA 10/82
Repair selas furnace

TOSCO CORPORATION

12937	Bakersfield, CA Repair TCC Kiln & reactor	1/83
A	Repair #17-11 heater	
12958	Bakersfield, CA To install cease fire in CO boiler	2/83
A	Re-insulate boiler walls	

TOVREA PACKING COMPANY

(Name Changed to Cudahy Packing Company)

5678 - See C. C. Moore & Co. Engineers
Phoenix, Arizona
Brickwork and Insulation
One (1) FF15 No. 24 Boiler

T R CENTUNION

12780 Dumai Hydro Cracking Complex
Pertamina - Sumatra Indonesia
Supply fourwater colled
damper with controls

TCW
8/82

TRANSMARINE NAVIGATION CORPORATION

7004 - Long Beach - Pier "A", Berth 3
S. S. "Nikabar" - Necessary Repairs to Boilers

7295 - Long Beach - Pier "A", Berth 3
S. S. "Holystar" - Renew Brickwork and Baffle in One Boiler

See Todd Shipyards Corporation

8612 - Berth 158 - Wilmington - S. S. "Villa di Brugine"
Labor and Material to Remove & Renew Brickwork in Forward Boiler

9159 - Ace Steamship Company, Owner
S. S. "Caldwell" - Long Beach , Pier "A", Berth 5
Renew Front Wall in Starboard Boiler

3947 "U.S. Victory"
Wilmington
Misc. refractory and insulation repairs

NO. 501-11 R IPEX U.S.A.

TRANSOCEANIC MARINE, INC.

2258 - Terminal Island
SS "World Glory" - Necessary repairs to
Starboard Boiler

2334 - Terminal Island
SS "World Glory" - Necessary repairs to
Starboard Boiler

TRANSPACIFIC TRANSPORTATION COMPANY

7007 - Terminal Island - Berth 230-A
S. S. "Utrecht" - Replace Front Wall in Boiler

7064 - Terminal Island - Berth 230-A
S. S. "Samarinda" - To Renew Front Wall Corbels, Patch Chrome Ore, Patch Top Water Wall Headers of B&W Boiler

7068 - Terminal Island - Berth 230-A
S. S. "Rondo" - To Renew Plastic in Front Wall, Corbel and Top Course of Boiler

7106 - Terminal Island - S. S. "Salatiga"
Labor and Material to Renew Front and Back Wall of Boiler

7170 - 307 California St., San Francisco
S.S."Utrecht" Terminal Island - Renew top course of brick in one boiler

7258 - Terminal Island - S. S. "Lombok"
To Renew Deck, Burner Cones, and Patch Side Walls in Port Boiler

7294 - Terminal Island - S. S. "Salatiga"
Renew front wall in Port Boiler

7667 - Wilmington - Berth 230-A - S. S. "Tertosona"
To Seal Off Casing Leaks in Way of Top and Bottom of Heaters

7701 - Wilmington - S. S. "Samarinda" - To Renew Front Wall, Forward Side Wall, and Deck and Castable on Top of Rear Wall

7714 - Wilmington - S. S. "Sarangan" - To Rnew Top of Rear Wall, Patch Top of Front Wall, Rnew Corbeks and Remove Slag from Floor in Port Boiler
(A) - Todd Shipyards Corp.-Renew Tile & Insulation in Way of Tube Removal

7766 - Wilmington - S. S. "billiton" - Necessary Repairs to Boiler

7828 - Wilmington - "S. S. Salatiga" - Necessary Repairs to Port Boiler

TRANSPACIFIC TRANSPORTATION COMPANY

7833 - Wilmington - S. S. "Limburg" --Necessary Repairs to Port Boiler

7846 - Wilmington - S. S. "Samarinda" - To Renew Deck and Front Section of Boiler Side Walls

7852 - Wilmington - S.S. "Sarangan" - To Renew Top Course of Brickwork Splits & Part of Corbels in Port Boiler

7872 - Wilmington - S. S. "Utrecht" - To Renew Top Course of Brick and Burner Cones in Port Boiler

8054 - Wilmington - S. S. "Lawak" Brickwork Repairs to Starboard Boiler

8063 - Transpacific Transportation Co. - Wilmington S. S. "Linberg" - To Renew Floor, Sidewalls, and Burner Cones in Starboard Boiler

8136 - Wilmington - S. S. "Salatiga" Renew Floor & Burner Cones, Forward Half of Side Walls & Castable Refractory on Top of Rear Wall in Starboard Boiler

9503 - Wilmington, Berth 179 - S. S. "Korlogawa" Repairs to Port and Starboard Boilers

9906 - Berth 179, Wilmington - S. S. "Lawak" Labor & Material to Tear Out and Renew Corbels on Side Walls and Renew Floor in Starboard Boiler

1140 - Berth 179 - Wilmington - S. S. "Lompok" Repairs to Port Boiler

1250 - Berth 179 - Wilmington - SS "Rotti" Furnish labor only to renew floor & front wall in Port Boiler.

1294 - Wilmington - SS "Lombok" Repairs to Starboard Boiler

1308 - Wilmington - SS "Billiton" Necessary repairs to Port Boiler

1634 -- Wilmington Berth 179 - SS "Sarongan" Renew Front Wall Port Boiler

TRANSPACIFIC TRNSPORTATION COMPANY (Continued)

2004 - Berth 180, Wilmington
SS "Limberg" - Labor and material for necessary repairs to Port Boiler

2117 - Wilmington
SS "Billiton" - Necessary repairs to Starboard Boiler

2152 - Wilmington - SS "Utrecht"
Necessary repairs to Port Boiler

2302 - Berth 179, Wilmington
SS "Billiton"
Necessary repairs to Port Boiler

2681 - Long Beach - SS "Nias"
Repairs to Boiler

3008 - Long Beach
SS "Friesland"
Necessary repairs to Port Boiler

3133- Wilmington - SS Bangalan
Necessary repairs to port and starboard boilers

3226 Wilmington
SS "Friesland"
Repairs to Starboard Boiler

3677 "SS Rotti"
Terminal Island
Necessary repairs to starboard boiler

4634 "SS Zeeland"
Terminal Island
Repair port boiler

4971	"SS Limburg" Terminal Island Repair starboard boiler	
5379	"SS Rotti" Term Island Repair port boiler.	
5462	"SS Zeeland" Terminal Island Necessary Repairs To Starboard Boiler.	12/68 W.O.
5860	Indies Terminal 8/26/69 "SS Rotti" Terminal Island Repairs to starboard boiler	
6498	"SS ZEELAND" - Term. Island Repair port boiler	12/70

TRAVIS MILLING COMPANY

4649 - Blythe - Ardrier Furnace Brickwork

5018 - Blythe - To Install One (1) Heil Ardrier Furnace

5433 - Blythe - Repairs to Ardrier Furnace

TREASURE CRAFT CO

5942 Compton 10/14
Rotary Hearth Kiln

TREE ISLAND STEEL

11728	Carson Repairs to Zinc galvanizing pot	8/80
12274	Carson Install burner gaskets	7/81

TRI ALLOY

10273	Montclair - Supply & Install Oil Booster Equipment	3/78
10809	Montclair - Install gas equipment to an existing aluminum melting furnace.	3/79

TRIANGLE OIL & REFINING COMPANY, LTD.
TRIANGLE OIL COMPANY

3122 - Venice - One (1) Pipe Still

Triangle Oil & Refining Company, Ltd.

6598 - Venice - To Repair Firebrick Lining of 1937 SWECO Oil Heater

(A) - To Rebuild upper Metal Cased Walls

6683 - Venice - To Rebuild Brick Setting - SWECO portable Still

6832 - Venice - To Repair HRT Boiler

7192 - Santa Monica - Necessary repairs to #2 boiler

TRICRAFT WELDING CO

8568 So. Gate - Install insulating concrete : 11/74
to convection section of crude preflash heater

TRUESDALE LABORATORY

9140	Great Lakes Carbon-Wilm Drill 3" Hole in North End of Duct of #3 Kiln	1/76

T R W

11345 Redondo Beach
Lever Bros. - LA 1/80
Seal voids around new burners

T-S CONSTRUCTION ENGINEERS, INC.

5764-B - May Department Stores Company
Los Angeles - Fairfax & Wilshire
Brickwork - Basement Wall

TRUMBULL ASPHALT CO.

4402 Compton
Repair #2 boiler

TUCSON GAS, ELECTRIC LIGHT & POWER CO.

6345 - See C. C. Moore & Co. Engineers
Tucson, Arizona - Brick and Insulation Setting for One (1) B. & W. Class FH-26, 21'-0" x 16'-0" wide Gas and Oil Fired Integral Furnace Boiler
(PT) - Premium Time
(A) - Covering of Outstanding Legs, also Weatherproofing the Externally Applied Insulation

6451 - See C. C. Moore & Co. Engineers
Tucson, Arizona - To Install Refractory and Insulation for One (1) FH-26 #21 Gas and Oil Fired Integral Furnace Boiler
(A) - Covering of Outstanding Legs, also Weatherproofing the Externally Applied Insulation

7292 - See C. C. Moore & Co. Engineers
cancelled 12/5/51 Tucson, Arizona - One (1) FH26-34'6" B&W Boiler

7722 - See C. C. Moore & Co. Engineers - Tucson-Ariz.
Material only for FH 26'-6" x 31'-6" Boiler; including Flue, Air Heater, and Duct Insulation

7727 - Tucson, Arizona - Station No. 3, Unit No. 3
Labor to Install Enclosure for (1) One Steel-encased B. & W. FH 26'-6" x 31'-6" Boiler

9103 - See C. C. Moore & Co. Engineers
Tucson, Arizona - Repair B.&W. Boiler Damaged by Explosion

TUCSON METAL & MANUFACTURING CO., INC.

3797 - Tucson, Arizona
Two (2) Steel Melting Furnaces

TURBO PRODUCTS - Division of Poly Industries

1518 - Pacoima - Labor only to install Refractory & Insulation in #6042 Gas Fired Pit Type Furnace

(A) - Premium Time

TURNKEY ENGINEERING COMPANY INC.

9766 United States Borax & Chemical Co.
Boron - Install Refractory Lining in 500#
per hour Incinerator

TUTOR-MYERS CO

8924	US Naval Shipyards-Long Beach Acid Brick Lining for Tank #14 in Plating Facility.	8/75

TUTTLE, HOLMES (Ford Dealer)

6225 - Los Angeles 36 - Repairs to Incinerator

TWA, INC

5303	International Airport, L. A. Repairs to one clothern boiler.
"A"	Repairs to one clothern boiler.

TWAITS-WITTENBERG CO.
TWAITS, FORD J., COMPANY (former name)

4307 - Defense Plant Corporation - Plancor #1167
Southern California Gas Co., Agent
Brick Setting for Two (2) 813 h.p. Boilers

4387 - Defense Plant Corporation
Southern California Gas Co., Agent
Baffle Repairs to Two (2) Edge Moor Boilers
(A) - Aliso Plant - Move Setting Door of Edge Moor Blr.
(B) - Aliso Plant - #1 Plant - Make Holes in Boilers
Nos. 1, 2, 3, 8 and 9

TWENTIETH CENTURY-FOX FILM CORP.

Formerly: Wm. Fox Studios
Fox Film Corporation Studios

WM. FOX STUDIOS

411 - See Baker Iron Works
Hollywood - Incinerator

449 - See Baker Iron Works
Incinerator

454 - Hollywood - Incinerator Repairs

FOX FILM CORPORATION STUDIOS

2107 - Incinerator Repairs

2487 - Rebrick Two (2) 75 h.p. Pacific Heating Boilers

2558 - Incinerator Brickwork Repairs

2610 - Hollywood - Incinerator Repairs

2642 - Hollywood - Renew Three (3) 75 h.p. Pacific Heating Boilers

2766 - To Rebrick Boiler #3

2873 - Cafe de Paris - Repairs to Bake Oven

2789 - #2 Heating Boiler Repairs

TWENTIETH CENTURY-FOX FILM CORP.

2919 - 75 h.p. Pacific Heating Boiler

3028 - 75 h.p. Pacific Heating Boiler

3046 - See English & Lauer, Inc.
Two (2) Pacific Boilers

3091 - See English & Lauer, Inc.
Boiler Brickwork

3143 - Power Plant #1 - Boiler #3

3250 - Boiler #1 Firebox Repairs

4007 - Fox Hill Studio
Repairs to One (1) 40 h.p. Portable Scotch Marine Boiler

4461 - West Los Angeles - Power Plant #1
Renew Brickwork in Boilers Nos. 1, 3, 4

4462 - West Los Angeles - Power Plant #2
Renew Brickwork in Boilers Nos. 2 and 3

(contd.)

TWENTIETH CENTURY-FOX FILM CORP. (contd.)

4603 - Hollywood Studios - Incinerator Repairs

5651 - West Los Angeles - Brickwork Repairs:
Boiler Plant #1--Boilers #1, #2, #3 & #4;
Boiler Plant #2--Boilers #1, #2 & #3;
Upright Portable Boiler; and
Portable Scotch Marine Boiler

6366 - West Los Angeles - Brickwork or Insulation Repairs:
Boiler House #1--Boilers #1, #2, #3, #4;
Power House #2--Boilers #1, #3;
Portable Vertical Boiler; and
Scotch Type Boiler

7272 - West Los Angeles - Brickwork Repairs:
Plant #1--Boiler #1, To Tear Out & Rebuild Entire Setting
Plant #2--Boiler #2, To Tear Out and Rebuild approximately 50% of Floor
--Boiler #3, To Tear Out and Rebuild Floor, Burner Throat and Wing Walls
--Scotch Marine Boiler, To Tear Out and Rebuild Burner Throat and Renew Insulation on Rear End of Boiler

7615 - West Los Angeles - To Repair Boilers in Plant #1 and Plant #2

7938 - Twentieth Century Fox Film Corp - Los Angeles
Plant #2 - Boiler #3 - Brickwork Repairs

9037 - West Los Angeles - Repairs to Incinerator

TWINING LABORATORIES OF SOUTHERN CALIFORNIA

9466 - Long Beach - Labor for Cutting Concrete Slabs in our Wilmington Yard

TWIN-WINTON STUDIOS

3767 - (Cancelled) - Pottery Kiln

TWYMAN ENGINEERING COMPANY

2595 - & Remsco Associates
Langley Research Center
Los Angeles - Labor and material to install Refdractory Lining in One (1) Air Heater

2727 - Aerojet General Corporation
Nimbus, California
(Jt. Venture with Twyman Engr. Co)
Design and construct gaseous Hydrogen Heater

2827 - Buena Park
CANCELLED
See Job 2864
Labor and materials to Line Electric Air Heater

2854 - Buena Park
CANCELLED
See Job 2873
Labor and material to install lining in Southern Engineering Tubular Heater

2864 - North American Aviation Co
(Work to be done at Shelton Welding - L.A.)
Tubular Air Heater Lining

2873 - Santa Fe Springs
Insulate One Gas Fired Hot Water Heater

2252 - Joint Venture
Lockheed Aircraft - Saugus
Design & Construct One (1) Tubular Air Heater
(A) - Repair arch in Tubular Air Heater

2934 - Orange
Labor & material to line Argon Heater

2939 - Our Wilmington Warehouse
Install lining in Heater Stack

3180 - Supply combustion chamber and burner for oil field steam generator.

3185 - J. Carner Co.
Gardena
Labor and material to line high pressure gas heater.

3401 Orange
Insulate one steam generator
(A) Additional labor & material to do necessary repair

3495 Anaheim
Supply and install refractory lining in steam generating unit

3770 Le Fleur Corp
Phoenix, Arizona
Labor and material to install lining in tubular helium heater:

(A) Recast two roof noses
(B) Provide field supervision

3922 North American Aviation
El Segundo
Repair electrical heater

UDDO & TAORMINA COMPANY
UDDO TAORMINA CORPORATION (Former Name)

3059 - Buena Park - Brickwork - One (1) 72" x 18'-0" HRT Boiler

3352 - Buena Park - 72" x 18'-0" HRT Boiler Setting

3512 - Buena Park - Repairs to #2 Boilar after Gas Explosion

3585 - Buena Park - Repairs to #1 and #2 Boilers

3640 - Buena Park - One (1) 72" x 18'-0" HRT Boiler Setting and Foundation

6161 - Buena Park - Boiler Brickwork Repairs
(A) - Brickwork Repairs to #4 Boiler
(B) - To Repair Boiler Blow-off Pier

Uddo & Taormina Company

8039 - Buena Park - Brickwork Repairs to #2 & #3 Boilers

8713 - Buena Park - Brickwork Repairs to Boilers Nos. 1, 2, 3, & 4

8785 - Orange Canning Company - Orange Repairs to Boilers

UNION CARBIDE CHEMICALS COMPANY, Div. of Union Carbide Corp.
CARBIDE & CARBON CHEMICAL CORPORATION (former name)

7924 - See C. C. Moore & Co. Engineers
Torrance - To Install Refractories and Insulation on Two (2) B&W FH18 3'-6"/OF-48-11 Integral Furnace Boilers with Pressurized Casings

8439 - See Peter Kiewit Sons' Co.
Torrance - Install Linings in Six (6) Gas Cracking Furnaces
(A) - Replace approx. 13 Glazed Tile in Bldg. #122

8549 - Division of Union Carbide and Carbon Corp,
Torrance - Refractory Lining for Oxy-Catalyst Reactor

~~(7)~~ - Refractory Lining for De-Superheater

8850 - See Peter Kiewit Sons' Company, and
Fred J. Early, Jr. Co., Inc.
Torrance - Insulation Linings for Seven (7) Waste Heat Boilers

8854 - Torrance - Pack 12 Burners on a Cracking Furnace - Labor Only
(A) - Repair Burner Blocks in #4 Furnace

9148 - Torrance - Repair Burner Tile in Furnace #4

Union Carbide Chemicals Company

9436 - See C. C. Moore & Co. Engineers
Torrance - Furnish & Install Refractory and Insulation Materials for New Soot-Blower System on One (1) B&W FH 18'-0" Boiler

9779 - Torrance - Gas Cracking Furnace Brickwork

9959 - Torrance - Repairs to #4 Furnace

1087 - Torrance - Repairs to #5 & #6 Furnaces

1133 - Torrance - Burner Repairs to Cracking Furnace #1

1177 - Torrance - Labor & Material Necessary to Repair Brickwork & Insulation to #3 Furnace

UNION CARBIDE + CHEMICAL CORP

3362	BABCOCK + WILCOX Co Torrance Furnish labor and material to repair insulation only on one (1) B + W FH-18-13 boiler	
3607	ELMCO Bishop Refractory linings	
4567	Torrance Install burners in #5 cracking furnace	
5596	Torrance Repair #3 Furnace	2/69 WO
6110	Torrance - repair #1 Furnace 'A' - Repair sludge furnace	2/70
6819	Torrance Repair #5 Furnace	
7518	Torrance Necessary Repairs to Sludge Furnace.	1/73

UNION CARBIDE AND CHEMICAL CORP. (Continued)

8015	Torrance Nec. repairs to #1 furnace	12/20
8505	Torrance Repairs to Sludge Furnace	10/74
8622	Torrance Repairs to #5 Cracking Furnace	12/74
10119	Torrance - Refractory Repairs to Sludge Furnace	12/77
11185	Torrance Nec. repairs to #14 furnace	9/79 CO
11669	Torrance Repairs to sludge furnace	7/89

UNION CHEMICAL DIVISION (Previously Collier Carbon & Chemical)
Union Oil Company

10267	Wilm - Install Acid Brick Lining in New Absorbing Tower Pump Tank	3/78
10271	Brea - Fireproofing on the Support Legs of the Synthesis Converters	3/78
10275	Brea - Repair Hydrogen Reformer	3/78
10290	Santa Maria - Repairs to Coke Calcining Unit	3/78
10357	Wilm - Repairs to Humidify, Precipitator	5/78
10387	Brea - Nec Repairs to Decomposer	6/78
10434	Brea - Repairs to New Decomposer	7/78
10456	Brea - Repairs to Manhole Area on New Decomposer	8/78
10494	Brea - Repairs to South Boiler	8/78
10500	Santa Maria - Design & Construct	8/78
10500 B	Field erection inspection	
A	Set of drawings	
10630	Brea - Repairs to Old Decomposer	
10678	Wilm - Repairs to Unit #138, B102 Heater	12/78
10751	Brea-Repairs to reformer	1/79
A	Reformer burner lintels JTT yard	
10858	Santa Maria - Repair to kiln	3/79
"A"	Repairs to preheater	

UNION CHEMICALS DIVISION

10941 Brea – Repair acid paving nitric acid plant 5/79

11045 Kenai Alaska
Remove and replace approximately 10Ft of lower sidewall in south cell of reformer B-101 7/79

~~10913~~ Wilmington – Repairs to roof unit 60 substation #3 4/79
A Repair roof at JTT expense

11124 Brea – Rebrick waste gas inlet and manway DF-4-D-201 decomposer 8/79

11240 Romeoville 10/79
Kiln design

11282 Brea 11/79
Install refractory lining in reformer transfer line 180° u-bend RCN

11283 Brea 11/79
Fabricate 12 burner lintel tiles for primary reformer furnace in JTT yard RCN

11303 Brea 12/79
Repairs to B602 boiler

UNION CHEMICALS DIVISION

11351	Brea Necessary repairs to primary reformer	1/80
11437	Wilmington Repairs to humidifier	2/80
11475	Santa Maria Repairs to preheater	3/80 RCN
11563	Wilmington Repairs to humidifyihg furnace	5/80
A	Repairs to combustion chamber	9/80
B	Cancel	
C	Repairs to converter	10/80
11619	Brea To repair south boiler	6/80
11666	Brea Repairs to #602 boiler	7/80
11796	Brea Repairs to new decomposer	9/80
11854	Brea/Carson Yard Fabricate 48 burner lintel tile	11/80
11903	UNIT CONSTRUCTION CO Wilmington, CA Acid Brick Paving at acid mixing facilities	12/80
11967	Wilmington Install sleeve in combustion chamber	1/81
11982	Brea Repairs to firebox in B-701 primary reformer	1/81

UNION CHEMICAL DIVISION

11983	Brea Repairs to prill tower floor	1/81
12004	Brea/Carson Yard Fabricate 48 burner lintel tile for 1982 shutdown	2/81
12081	Brea Repair refractory in decomposer in area 8 nitric acid plant	3/81
12106	Santa Maria Repairs to duct	4/81
12199	J T THORPE & SON INC Sacramento, CA Furnish and install refractory lining for decomposer D-605	6/81 RCN
12307	Carson Yard Line spools	8/81
12386	Santa Maria, CZ Supply fuel ratio system components	10/81 RPA
12544	Santa Maria, CA Repairs to preheater	2/82
12543	Santa Maria, CA Repairs to settling chamber	2/82

12568 Brea, CA
Lower south wall & south cell reformer heater 2/82

A All additional repairs

12572 Brea, CA 2/82
Repairs to secondary reformer

12704 Santa Maria, CA
Repairs to preheater 6/82

12715 HALLANGER ENGINEERS
Rodeo, CA HWB
Waste heat boiler system

12732 Brea, CA
Repairs to area 8 decomposer 7/82

12735 Rodeo, CA HWB
Repair and redisgn of pyrosrubber #1 and #2 7/82

12812 Wilmington, CA 9/82
Line new waste heat boiler vestibule

12831 Wilmington, CA 10/82
Plant shutdown

A Repairs to acid tower & pump tank 11/82

12873 Brea 11/82
Furnish material

UNION CHEMICAL DIVISON

12951 Brea, CA 2/83
Install castable in converter necks.

12957 HALLENGER ENGINEERS
Install cap damper on existing hot stack 2/83
San Ramon, CA

13001 ZURN INDUSTRIES/HALLANGER ENGINEERS
Carson Yard RCN
Rodeo 3/83
Furnish square edge tile for new waste heat boilers

13094 Brea, CA 7/83
Line cold end away from tube sheet on 4E205 decomposer

13159 MONSANTO ENVIRO-CHEM
Wilmington, CA RCN
Furnish labor only to install lining in absorbing tower V04 8/83

13450 Santa Maria, CA 5/84
Arroyo Grande
Repairs to Pyro Scrubber

13456 Lemont Ill 5/84 HWB
Modifications to K1 Pyro Scrubber
Target Wall & Roof

13479 Brea - Carson Yard 5/84
Dry out 48 Lintel Tile

13513 Procon Kellogg 6/84
Lemont Ill
K-2 Kiln & Back Spill Chute Refractory Lining

UNION CHEMICAL DIVISION

13534	Lemont Ill Repairs to Stack Cap and Damper K2 Unit	7/84
13579	Lemont Ill Fabricate and Install New 310 SS Fasteners on K1 Stack Dampers	8/84
13600	Lemont Ill Heat Shields for K2 Hot Stack	8/84
13605	Santa Maria CA Repair Coke Calciner	8/84
13654	Wilmington CA Install Acid Brick Protection Over Exchange Pads	10-84
13660	Brea, CA Repairs to Reformer Heater	10-84
13691	Brea Ca Repair Secondary Reformer	11-84
13800	Wilmington Ca Furnish and Labor and Material to Brickline Acid Pump Tank	1/85
13826	Brea Ca Repair Decomposer	2/85
13823	Wilmington Ca Repairs to Combustion Chamber	2/85
13894	Wilmington Reline combustion chamber sulfuric Acid plant	4-85
13947	Wilmington Repair finishing pump tank floor and absorbing tower doors	5-85
14028	Arroyo Grande Repair Coke Calciner incinerator	7-85

UNION CHEMICAL

14058	Le Mont LL1 K1 Cold Stack replacement	9-85
14144	La Mont Ill K1 & K2 Pyro Scrubber Refractory inspection	11-15-85
14136	Brea Reformer repairs	11/86
14487	Wilmington Repair brick wall	10/86
14489	Wilmington Repairs to B202 heater, Unit 90	10/86
14570	Wilmington Repairs to Unit 60 B101, B102 and A&B	1/87
14589	Wilmington Repairs at Unit #120	1/87
14610	Wilmington Plant #35 repairs to B2 and B3 heaters	2/87
14632	Lemont, IL K2 kiln nose rings repair material	3/87
A)	Supervision	
14649	Wilmington Repairs to B101 heater	3/87
14651	Wilmington Install brick plug in exchanger manway at Unit #120	3/87
14675	Santa Maria Supply material and labor to repair east and west preheater sidewalls	4/87

UNION CHEMICAL

14727	Lemont, IL Detrick tile and castings for hot end of K1 Pyro scrubber	6/87
14737	Wilmington Repairs to Third Stage seperator	6/87
14756	Wilmington Repairs to #6 boiler box	6/87
14736	Wilmington Reactor wall repairs	6/87

UNION DRAWN STEEL DIVISION OF REPUBLIC STEEL CORP.

5739-A - Acid-Proof Brickwork

NO. 901-11 R ... U.S.A.

UNION IRON & STEEL COMPANY

4465 - Southern California Gas Company
Aliso Street Plant - Brick in Door Frame

UNION OIL COMPANY

112 - Repairs to Still

124 - San Fernando - Brickwork

135 - Wilmington Tank Farm - 2" Pipe Still

164 - Huntington Beach - Three (3) 100 h.p. Boilers

170 - Terminal Island - 80 h.p. Boiler

191 - Wilmington - Clay House Brickwork

192 - Santa Fe Springs - Return Tubular Boiler

225 - Dominguez - Brickwork - Two (2) 66" x 16'-0" HRT Boilers

228 - See M. W. Kellogg Company
Wilmington - One (1) Cross Furnace and Control House

250 - See M. W. Kellogg Company
Repair Work

288 - Dominguez - 250 h.p. Water Tube Boilers

299 - Rosecranz - Four (4) 72" x 18'-0" HRT Boilers

331 - Los Angeles - Building Repair

390 - See M. W. Kellogg Company
Wilmington - Four (4) Foster Oil Heaters

404 - Wilmington - Two (2) 72" x 16'-0" Steam Stills

405 - Stearns - Two (2) 250 h.p. Heine Water Tube Blrs.

414 - See M. W. Kellogg Company
Wilmington - Changing Baffles for Four (4) Foster Oil Heaters

459 - Wilmington - Bigelow Flat Suspended Arch for One (1) Carborundum Furnace

460 - Wilmington - Bigelow Hanging Wall for Carborundum Furnace

467 - Stearns - One (1) 250 h.p. Standard Water Tube Bl

473 - Wilmington - One (1) Experimental Carborundum Fur

479 - Repairs to Foster Oil Heater #1

485 - Wilmington - Repairs to Foster Heater #4

487 - Wilmington - Bigelow Arch for Lientz Furnace

(contd.)

UNION OIL COMPANY (contd.)

2010 - One (1) Lientz Cracking Furnace

2028 - Repairs to Foster Oil Heater #4

2060 - Wilmington - Bigelow Arch Material

2170 - Maltha, Calif. - Two (2) Tubular Stills

2232 - Wilmington - Delivery of Bigelow Material

2254 - Santa Fe Springs - Two (2) 250 h.p. Llewellyn Blrs.

2272 - Santa Fe Springs - Two (2) 250 h.p. Llewellyn Blrs.

2284 - See M. W. Kellogg Company
Wilmington - Brickwork Four (4) Furnaces, Two (2) Reducers

2322 - Wilmington - Stack Lining

2328 - See National Lead Company
Wilmington - Renew Furnace Brickwork

2337 - Wilmington - 3" Tubular Still

2354 - Los Angeles - Three (3) Collins Western X30, 118 h.p. Boilers

2392 - Dominguez - One (1) 240 h.p. Heine Type Water Tube Marine Boiler

2416 - Wilmington - Delivery of Material

2446 - See C. C. Moore & Co. Engineers
Wilmington - Foundation and Brickwork - Two (2) Class XXI #20 Stirling Boilers

2460 - Delivery of Material

2495 - Wilmington - Repairs to Bridge Wall and #23 Still

2500 - Wilmington - Repairs to Crude Stills #45 & #46

2519 - Wilmington - One (1) Asphalt Heater

2523 - Wilmington - Repairs to Cross Units #22 & #24

2547 - Wilmington - Stabilization Plant - Repairs to Oil Htr.

2569 - Wilmington - Repairs to Unit #30

2572 - Wilmington - Repairs to Lientz Furnace

2574 - Wilmington - Repairs to Cross Unit #23

2578 - Wilmington - Remodel Furnace Unit #30

2579 - Wilmington - Fire Wall around Experimental Still -

(contd.)

UNION OIL COMPANY (contd.)

2580 - Wilmington - Repairs to Carborundum Still #29

2581 - Acid Brick in #1 Concentrator

2585 - Repairs to Asphalt Heater

2586 - Repairs to Cross Unit #22

2589 - Repairs to Cross Unit #21

2605 - Wilmington - Carborundum Furnace Repairs

2608 - Wilmington - Repairs to Cross Stills #51 & #52

2611 - Wilmington - Cross Unit #24 Repairs

2613 - Wilmington - Lientz Furnace Repairs

2615 - Wilmington - Arch Repairs for Unit #40

2616 - Wilmington - Unit #39 Repairs

2622 - Wilmington - Installation of Burner Brickwork - Stabilization Plant

2633 - Wilmington - Repairs to Heater #22

2652 - Rosecrans - Renew Two (2) 72" x 18'-0" HRT Settings

2659 - Wilmington - Unit #21 - Repairs to Detrick Arch

2660 - See The Fluor Corporation, Ltd.
Wilmington - Stabilization Plant
Circulating Bottom Heater and Fire Walls

2667 - Wilmington - Cross Still #21

2671 - Wilmington - Repairs to Cross Still #23

2674 - Wilmington - Repair Bigelow Arch in Unit #29

2678 - Wilmington - Unit #28 Repairs

2698 - Wilmington - Repairs to Cross Plant Flues #21, #22, #23, and #24

2683 - Torrance Tank Farm - Tubular Oil Heater

2684 - Torrance Tank Farm - Repairs to Heaters #29, #39, and #71

2699 - Wilmington - Repairs to Stack

2711 - Wilmington - Unit #24 Repairs

2714 - Wilmington - Seal for Stills #39, #40, #71, #72.

2715 - Wilmington - #24 Heater Repairs

(contd.)

UNION OIL COMPANY (contd.)

2718 - Wilmington - Carborundum Furnace #29 Repairs

2719 - Wilmington - Unit #71 and #72 - Burner Alterations'

2722 - Wilmington - Repairs to Still #23 Roof

2723 - Wilmington - Repairs to Still #22 Roof

2726 - Wilmington - Control House Repairs

2733 - Wilmington - Burner Alterations, Still #39, #40

2739 - Wilmington - Checker Walls, Units #71, #72

2763 - Wilmington - Lientz Furnace #28 Repairs

2762 - See The Fluor Corporation, Ltd.
Consolidated Steel Corporation
Oleum - Foster-Wheeler Oil Heater

2779 - Repairs to Carborundum #29

2780 - Wilmington - Repairs to Units #41, #42

2781 - Wilmington - Repairs to Unit #40

2796 - Wilmington - Repairs to Unit #28

2829 - Wilmington - Boiler #2 Front Wall

2846 - Wilmington - Repairs to Boiler #1

2867 - Wilmington - Repairs to #1 and #2 Boilers

2870 - Los Angeles - Incinerator Repairs

2884 - Orcutt, Calif. - Three (3) Collins Boilers

2890 - Wilmington - Boiler #3 Repairs

2892 - Wilmington - Still Units #21, #22, #23, & #24 Reprs.

2900 - Wilmington - Boiler #4 Repairs

2901 - Wilmington - Repairs to Still Unit #28 - Lientz Furnace

2907 - Stewart Pump Station - Two (2) 250 h.p. Heine Water Tube Boilers

2909 - Wilmington - Repairs to Still #21, #22 - Unit #23 and #24

2910 - Wilmington - Repairs to Unit #28 Lientz Furn.

2913 - Wilmington - Repairs to Unit #56, #51, and #100

2918 - Wilmington - Repairs to Bridge Wall, Unit #21.

(contd.)

UNION OIL COMPANY (contd.)

2923 - Wilmington - Fire Break Repairs

2924 - Wilmington - Incinerator Repairs

2933 - See The Fluor Corporation, Ltd.
Wilmington - Fired Heater

2952 - See The Fluor Corporation, Ltd.
Dominguez - Fired Heater
(A) - Dominguez - Aertiting Tube Still

2970 - Wilmington - Lientz Furnace Repairs

2974 - See C. C. Moore & Co. Engineers
Wilmington - Boiler Repairs

2981 - McKittrick Station - Two (2) 250 h.p. Heine Blrs.

2994 - Middle Water Station - Two (2) 250 h.p. Heine
Water Tube Boiler Settings

2997 - Wilmington - Repairs to Unit #24

3007 - Wilmington - Unit #21 - Insulate West Tube Still

3016 - Wilmington - Carborundum Still #29 Repairs

3019 - Wilmington - Lientz Roof #29

3021 - Wilmington - Repairs to #39, #40, #71 and #72

3024 - Wilmington - Repairs to Unit #46

3025 - Wilmington - Asphalt #97 and #98 Repairs

3026 - Wilmington - Repairs on Roof Arches #39, #40, #71,
and #72

3030 - Wilmington - Repairs to Stills #99 and #100

3064 - Wilmington - Repairs to Units #41 and #42

3071 - See The Fluor Corporation, Ltd.
Santa Maria Pump Station - Fired Heater

3072 - See The Fluor Corporation, Ltd.
Summit Pump Station - Fired Heater

3096 - Wilmington - Manual Control Furnace

3111 - Wilmington - Repairs to Units #23 and #24

3129 - Wilmington - Unit #24 Front Wall

3133 - Wilmington - Repairs to Asphalt Stills #98 and #99

3139 - Wilmington - Repairs to Units #99 and #100

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UNION OIL COMPANY (contd.)

3150 - See C. C. Moore & Co. Engineers
Kelso - Class HIII #14 Stirling Blr. Brickwk.

3151 - See The Babcock & Wilcox Company
C. C. Moore & Co. Engineers
Brickwork Repairs to Boiler, Steamer "Warwick"

3160 - See The Fluor Corporation, Ltd.
Wilmington - Fired Heater

3174 - Wilmington - #3 and #4 Boilers Centerwall

3195 - Mateo Street - Change Front Boilers

3210 - Wilmington - Repairs to Heater #23

3212 - Wilmington - Repairs to #1 Boiler

3216 - Wilmington - Repairs to Lientz #28

3232 - Creston Pump Station - Brickwork - Four (4) 250 h.p. Heine Boilers

3238 - Wilmington - Repair Brickwork - Unit #22

3240 - Santa Fe Springs - Heat Treating Furnace

3247 - Wilmington - Boiler #2 Repairs

3290 - Brickwork Repairs - Unit #24

3319 - Wilmington - Repairs to Units #21 and #22

3332 - Wilmington - Repairs to Superheater

3344 - Wilmington - Unit #40 Brickwork Repairs

3377 - Wilmington - Repairs to Units #21, #22, and #23

3379 - Wilmington - Repairs to Bridge Wall - Unit #24

3406 - S. S. "Warwick" - Repairs to Boiler

3423 - Wilmington - Repairs to Battery Wall - Blrs. #1, #2.

3429 - Wilmington - Repairs to #3 and #4 Boilers

3433 - See Bechtel-McCone-Parsons
Wilmington - Kellogg Furnaces

3452 - Wilmington - Asphalt Pit Retaining Wall

3466 - Wilmington - Repairs to Heaters #39 and #40

3484 - Wilmington - Replace Arch - Unit #22

3487 - See M. W. Kellogg Company
Wilmington - One (1) Reboiler Furnace

(contd.)

UNION OIL COMPANY (contd.)

3492 - Wilmington - Repair Side Walls - #2 Boiler

3523 - See C. C. Moore & Co. Engineers
Wilmington - Class XXI #40 Stirling Boiler

3582 - See C. C. Moore & Co. Engineers
Wilmington - Boiler House Extension

3583 - Santa Fe Springs Shops
Repairs to Heat Treating Furnace

3610 - Wilmington - Unit #24 Repairs

3631 - Wilmington - Repairs to Brickwork around Upper Access Doors - Cross Plant Heater #220

3681 - Wilmington - Furnaces #67 and #97 -
Replace Tile around Tube Ends

3694 - Wilmington - Repairs to Roof - #42 and #50 Stills

3701 - Wilmington - Boiler #3 Repairs

3705 - Wilmington - Repairs to Crude Still #48

3706 - Wilmington - Repairs to Cross Still #23

3722 - Wilmington - Repairs to Asphalt Stills #96 & #99

3730 - Wilmington - Repairs to Heater #24

3731 - S. S. "L. P. St. Clair"
Repairs to Foster-Wheeler Boiler

3778 - See C. C. Moore & Co. Engineers
Maltha - Bakersfield - One (1) Class "A" #23
Stirling Boiler

3823 - Wilmington - Unit #27 Repairs

3831 - See C. C. Moore & Co. Engineers
Lummus Company
Brickwork and Insulation for Two (2) F22AE14 Blrs.

3838 - See M. W. Kellogg Company
Wilmington - B1 and B2 Furnaces and Bubble Tower

3851 - Wilmington - Repair Top on Still #44

3872 - See The Lummus Company' /Furnace
Wilmington - Incinerator and One (1) Pipe Bending

3938 - Wilmington Refinery - Repairs to #4 Boiler

(contd.)

UNION OIL COMPANY (contd.)

3949 - See Bethlehem Steel Company, Shipbldg. Div.
Union Oil Co. Tanker S. S. "Victor F. Kelley"
To Renew Front Wall in Boiler

3955 - Wilmington - To Replace Detrick Type Suspended
Roof on Unit #39 Heater

3981 - See The Lummus Company
Wilmington - Brickwork & Insulation of Oil Heaters
BB, B1A, B2A, B2B, B3A, and B3B

3988 - See Bethlehem Steel Company, Shipbldg. Division
Tanker "Sinclair" - Boiler Furnace Repairs

4106 - See Bethlehem Steel Company
Tanker S. S. "L. P. St. Clair" - Boiler Repairs

4037 - San Diego - Two (2) HRT Boiler Setting Repairs

4069 - Wilmington - Cross Unit #23 - Heater Brickwk. Reprs.

4083 - See C. C. Moore & Co. Engineers
C. F. Braun & Co.
Wilmington - One (1) F22AE14 Boiler Setting

4127 - Wilmington - Repairs to Fire Walls

4128 - Wilmington - Repairs to Unit #40 Heater

4135 - C. F. Braun & Co. (See)
Los Angeles Refinery at Wilmington
Brickwork - One (1) Oil Heater

4151 - Wilmington - Repairs to Lower 9" Curtain Wall -
Unit #40 Heater

4164 - See Bethlehem Steel Company
Union Oil Co. Tanker, S. S. "Rubel"
Repairs to Two (2) Boilers

4166 - Wilmington Refinery - Brickwork Repairs to Firebox
of Unit #39 Heater

4192 - See Bethlehem Steel Company
Tanker "Victor H. Kelley" - Make Necessary
Repairs to Front and Side Walls of Boilers

4196 - Torrance Tank Farms
Fireboxes for Two (2) Oil-Field Boilers
(A) - Wilmington Tank Farm
Fireboxes for two (2) Oil-Field Boilers

UNION OIL COMPANY (contd.)

4251 - See C. F. Braun & Co.
Lummus Company Catalytic Cracking Job
Wilmington - Brickwork and Insulation for Two (2) Thermbfor Kilns; One (1) Blowdown Stack; Four (4) Clay Elevators, and Hot Acid Ducts
(A) - Additional Openings in Thermofor Kiln

4266 - Stearns Absorption Plant - Brea -
Boiler #2 Repairs

4270 - See The Lummus Company
Wilmington - Brickwork Repairs to Heater B2A
(A) - Brickwork Repairs to Heater B3A

4277 - San Diego - Repairs to Firebox in Temporary Blr.

4334 - See C. F. Braun & Co.
Wilmington - To Install Insulation in Furnace Breeching of Braun Heater

4341 - Wilmington - Alterations to Unit #30 Heater

4364 - See C. C. Moore & Co. Engineers
Wilmington - Plant #2 -
Insulation Repairs to Boilers #1 and #2

4369 - See C. F. Braun & Co.
Wilmington - Catalyst Hoppers FF2 and FF102 -
Ganister Cement Lining

4396 - See C. C. Moore & Co. Engineers
Wilmington - Boiler Pipe Insulation

4403 - Wilmington - Alkylation Heater - Unit #101 -
Acid Brickwork around Pumps

4405 - Wilmington - Unit #33 - Baffle Repairs -
Heaters B3A and B3B

4410 - Wilmington - Crude Still in Area 1861 -
Brickwork Repairs to Heaters B1A, B1B, B2A and B3A

4459 - Wilmington Refinery - Cross Plant -
Brick Stack Repairs

4491 - See C. F. Braun & Co.
Wilmington Refinery - Repairs to Brickwork Damaged in Ceilings of Lummus Fired Heater

4494 - Wilmington Refinery - Brickwork Repairs -
Crude Stills #42 to #56 incl.

UNION OIL COMPANY (contd.)

4533 - Wilmington - Repairs to Lummus Heaters B1a, B1b, B2a, B3a - Cracking Plant #33

4559 - Dominguez Absorption Plant at Compton
Brickwork Repairs to One (1) 250 h.p. Firebox Blr.

4674 - Wilmington - Repairs to Fire Damage in Furnace B3A of Unit #33

4721 - See C. F. Braun & Co.
Wilmington - To Remove and Replace Refractories in Treater Thermofor Kiln

4745 - See C. F. Braun & Co.
Wilmington - To Repair Ignition Arches in Lummus Treater Kiln

4775 - See C. F. Braun & Co.
Wilmington - Repairs to Brickwork and Insulation in Treater Thermofor Kiln

4909 - See Howes & Whitaker
Wilmington - Erection of Brick Walls for One (1) Storage Room

4931 - Wilmington - TCC Unit - Brickwork Repairs to Kiln

4963 - Wilmington Refinery - Crude Still #45 Brickwork Repairs

5081 - Wilmington - Brickwork Repairs to Treater Kiln at TCC Plant

5237 - Wilmington - T. C. C. Plant
To Reline Airline Heater Ducts and Burner

5244 - Wilmington - Los Angeles Refinery - #1 Boiler Plant
Boiler #1 Brickwork Repairs

5255 - Wilmington - Los Angeles Refinery
Lummus Heater #34 Repairs

5318 - Wilmington - TCC Plant - To Reline Upper Cone of Airline Heater in Cracking Side of Unit

5422 - Wilmington - Los Angeles Refinery - Incinerator Brickwork

5544 - Wilmington Refinery - Repairs to Lummus Heater B3B, Unit #33

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UNION OIL COMPANY (contd.)

5622 - Wilmington - Repairs to Cracking Kiln at TCC Unit
(A) - To Install Access Doors and Partitions - TCC Plant Zones 1 through 7.

5652 - Wilmington - Berth #150
S. S. "Paul M. Gregg" - Repairs to Boiler

5693 - See R. T. Collier Corporation
Wilmington Refinery - Brick Setting - One (1) Radiant Type Recycling Gas Superheater

5719 - Wilmington - Los Angeles Refinery - T. C. C. Unit - Brickwork and Insulation Repairs to Kiln Lining

5758 - See Bethlehem Steel Company
Tanker S. S. "Santa Paula" - Repairs to Boiler

5847 - Norwalk - Norwalk Pump Station
Relining of Three (3) 250 h.p. Heine (Shipping Board Type) Boiler Fireboxes

5878 - Wilmington Refinery - Brickwork Repairs to B2A Heater at Unit #33

5910 - Wilmington - Repairs to Brickwork in Heater B3B at Unit #33
(A) - Brickwork Repairs in "A" Cracking Area, Unit #33
(B) - Change Peepholes and Thermowell Holes in Heater B3B, Unit #33
(C) - Repair Boiler #2 at Boiler Plant #2
(D) - Install Six (6) Burners in Unit #33, Crude Heaters

5939 - Wilmington - Repairs to Still #95

6007 - Wilmington - Repairs to #33 Heater, Side "B"

6019 - Wilmington Refinery - TCC Heater - Brickwork Repairs
(A) - Repair Unit #33

6052 - Repairs to Furnace - Unit #33 - "A" Side
(A) - Repairs to Crude Still

6056 - Lomita - Repairs to Boiler

6100 - Wilmington - Repairs to Asphalt Still
(A) - Repairs to Boiler

6145 - Wilmington - Unit #33 - Repairs to Htr. on "A" Side
(A) - Repairs to Boiler #2 in Boiler House

UNION OIL COMPANY (contd.)

6224 - See Refinery Maintenance Company, Inc.
Wilmington - Fireproofing with Red Brick,
Skirt of Vessel D-101 in Unit #34

6257 - Wilmington - Repairs to Crude Still in Unit #33

6290 - Wilmington - Repairs to T. C. C. Unit - Treater Kiln
(A) - Cracker Kiln

6337 - See Bethlehem Steel Company
Ship "Santa Paula" - Terminal Island
Repairs to Two (2) Boilers

6368 - Wilmington Refinery - To Fireproof Pipe Support Columns

6388 - See Southwestern Engineering Company
Oleum, Calif. - Furnaces BN-1 and BP-101--
Engineering Only

6406 - Wilmington - Tank Farm -
Repairs to Trumble Heaters

6445 - Wilmington Refinery - #7 Boiler -
To Rebuild Five (5) Burner Arches

6456 - Wilmington - Unit #33 Heater - Brickwork Repairs
(A) - Repairs to Still #57 (E) Reprs. to T.C.C. Unit
(B) - Repairs to Still #58
(C) - Repairs to Acid-Handling Plant
(D) - Repairs to T. C. C. Unit

6487 - Wilmington - Unit #34 - Repairs to Furnace
(A) - Unit #33 - Repairs to Furnace

6507 - Wilmington - Repairs to T. C. C. Unit
(A) - Repairs to Unit #33

6520 - Wilmington Refinery - Necessary Repairs to #5 Blr. in #1 Boiler House

6525 - Wilmington - D-3 Reboiler - Unit #91 -
Fired Preheater Brickwork Repairs
(A) - Necessary Repairs to #6 Boiler
(B) - Necessary Repairs to Unit #20
(C) - Necessary Repairs to Unit C. A. T.
(D) - Necessary Repairs to Unit #34
(E) - Necessary Repairs to D-3 Reflux Vessel
(F) - Necessary Repairs to Unit #67
(G) - Necessary Repairs to Roof on Unit #67

UNION OIL COMPANY (contd.)

6550 - Wilmington - To Repair #2 Boiler in #2 Boiler House
(A) - To Repair Asphalt Stills #95 and #96
(B) - Repairs to #3 Boiler in #2 Boiler House
(C) - Repairs to #1 and #2 Boilers in #1 Boiler House
(D) - Repairs to "A" Side of Unit #33
(E) - Repairs to Asphalt Stills #97 and #98
(F) - Repairs to Superheater Asphalt Still
(G) - Repairs to Unit #20

6591 - See Ehrhart & Arthur, Inc.
Wilmington Refinery - H_2S Recovery Plant -
To Fireproof Two (2) Vessel Skirts

6595 - Wilmington - Unit #33 -To Repair Crude Still B1A, Damaged by Fire (Field Order #2180)
(A) - To Tear out Existing Burners (F. O. #AFE-42612-2) and to Install New Burners (F. O. #AFE-42613-3) in B1A and B1B
(B) - Brickwork Repairs to B1A Crude Heater except Roof and Burners; and to B1B except Burners (F. O. #2184)
(C) - Brickwork Repairs to B2B and B3B of "B" Side Cracking Unit of Unit #33 (F. O. #2232)
(D) - Brickwork Repairs to "A" Side Cracking Plant of Unit #33 (F. O. #2197)
(E) - Patching Common Brick in Skirt of #2 Vessel (F. O. #2185

6614 - Wilmington - Repairs to Cracking Heaters
(A) - Repairs to T. C. C. Unit

6630 - Wilmington - #8 Boiler - Brickwork Repairs
(A) - To Repair Brickwork in Pipe Trench South of Control House - Unit #33
(B) - To Brick Wall between Crude Section and Cracking Section north of Control House

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UNION OIL COMPANY (contd.)

6630 (contd.)
(C) - To Repair all Broken Tile in Unit #33 Control on Control Board as needed

6639 - Torrance Tank Farm - To Repair Heater
(A) - To Check Burners and Fill Access Doors with Brick

6645 - Wilmington Refinery - Inspect Brickwork in all Heaters and Make Necessary Repairs
(A) - Necessary Repairs to T.C.C. Unit
(B) - To Repair Brickwork in #1 Boiler as Required
(C) - Asphalt Still - E-W Pipetrench - To Block Holes in Fire Walls
(D) - To Repair all Brickwork in Plenum Roof and Renew Eye Bolts where Necessary

6666 - Wilmington - Wilmington Refinery
Necessary Repairs to Asphalt Still #99
(A) - Necessary Repairs to Asphalt Still #100
(B) - Repairs to Unit #34
(C) - Repairs to Crude Still
(D) - Repairs to Boiler #3
(E) - Repairs to #33 Crude Still
(F) Unit #33
(G) Blr. #2, Plant #2

6697 - Wilmington - 33 "A" Cracking Plant
Repairs to B3A Heater
(A) - To Brick up Hole in Fire Wall at Pipe Trench (etc.)
(B) - To Brick up East End of Pipe Trench (etc.)
(C) - To Rebuild Portion of Brick Wall that is Knocked over at 12th & "D" Streets
(D) - To Inspect and Repair if necessary the Refractory Lining in Reversion Heater Flue and Stack
(E) - To Replace Acid-Mix Tank--Water Treating Plant, "H" Unit B.P. #1
(F) - To Repair Treater Side of T. C. C. Unit
(G) - To Replace Rolled Header Boxes with Welded Return Bends in Zone 6; Install New 18-8 Tube Sheets.- T.C.C. Unit
(H) - Repair #1 & #2 Heater Baffles and Explosion Door

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UNION OIL COMPANY (contd.)

6741 - Wilmington - To Inspect and Repair all Brickwork in Fireboxes of Cracker T. C. C. Unit
(A) - To Repair all Brickwork in Kiln Lining as Neces.
(B) - To Inspect Brickwork on Boiler #7 and Repair as Necessary
(C) - To Inspect, Clean and Repair Plenum Tile in B1B Heater
(D) - To Inspect and Repair all Brickwork in B2A Heater
(E) - To Install Brickwork around Skirt of Caustic Tank #D12
(F) - To Repair Brickwork necessary to B1A Heater
(G) - Necessary Repairs to B2B and B3B Heaters, Unit #33
(H) - Replace Brick in Opening through Furnace
(I) - Repair Brickwork in Boilers #3 and #4
(J) - Inspect Brickwork & Plenum Tile in Unit #34
(K) - Necessary Brick Repairs to #1 Boiler /#329
(L) - To Repair Brickwork in Base of Acid Pumps #322 &
(M) - Inspect & Repair Brickwork in Reversion Heater
(N) - Necessary Repairs to #2 Boiler

6775 - Torrance - Repair South End of Heater
(A) - Repair Floor and Patch Burners

6826 - Wilmington - Repair Lining and Walls in Kiln Hopper
(A) - Repair Insulation Inside Superheater at Asphalt Still
(B) - To Repair #5 Boiler
(C) - To Inspect and Repair all Fireboxes as Necessary
(D) - To Replace 30 sq. ft. of Deck and Burner in #3 Boiler
(E) - Treater Side Unit #151
(F) - Treating Section, T. C. C. Unit #151
(G) - Repairs in West End Firebox
(H) - Repairs as Required

6864 - Wilmington - Necessary Repairs to Acid Pump
(A) - Finishing Closing Gaps in Heater Baffles
(B) - Brick up Hole in Wall in Agitator
(C) - To Repair Brick Curbs to Unit #151
(D) - To Inspect and Repair Brickwork, as Necessary, in B2A Heater
(E) - Inspect & Repair Brickwork in B1B Heater
(F) - Expose Surfaces of Drums and Heads, Blrs. #1, #2
(G) - Repair Two (2) Broken Steam Lines, RR Heater
(H) - Safety Meeting
(I) - Replace Roof in Plenum Chamber B2B Heater
(J) - Remove Five (5) Doors and Repair Thermocouples, B2B Heater
(K) - Replace Steel and Brickwork in Floor of B1A Htr.

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UNION OIL COMPANY (contd.)

6864 (contd.)
(L) - To Repair Lining in Flue and Stack, B1A Htr.
(M) - Safety Meeting
(N) - Repair #8 Boiler
(O) - Unit #20
(P) - To Repair Tube in #4 Boiler, #1 BP Unit
(Q) - To Repair Kiln - Treating Section
(R) - Treating Section, T. C. C. Unit
(S) - Seal Inlet and Outlet Lines to Kiln Cooling Coils, Zones 1 through 10
(T) - To Repair Lining in Flue and Stacks of Cracker Sect.
(U) - Four (4) Roof Tube Hangers in Superheater Coil
(V) - To Repair Brickwork in all Fireboxes of Cracker
(W) - To Repair Firewalls in Trenches North of Block 33
(X) - To Check and Repair Brickwork at Gas Ring
(Y) - To Repair Firewall in Front of Gauger's Office
(Z) - Necessary Repairs Unit #33, "A" Side

6970 - Wilmington - Temporary Repairs to Heater
(A) - To Renew Tubes in B2A Heaters
(B) - To Install Tubes in "A" Cracker /B1B Crude Sect.
(C) - Repetitive Maint. Work for Turnabout of Unit 33
(D) - Tube Hangers in Vacuum Heater
(E) - To Inspect & Repair Plenum Tile, B2B Heater
(F) - To Inspect & Repair Plenum Eyebolts, B1A Heater
(G) - To Install 11 New H.G.O. Coil Tubes, "B" Htr., Un.#33
(H) - Brickwk. Rprs. & Plenum Tile Repairs, Unit #34
(I) - To Rebrick 3 center Burners & all 5 Burners in Htr.
(J) - To Repair Tube Hanger Eyebolts in Reversion Heater
(K) - Brick Lining in Reversion Heater
(L) - Necessary Repairs to Poly Heater
(M) - To Repair Heaters #71 and #72
(N) - To Replace Two (2) Tubes in #1 Boiler
(O) - Repair Firebox, Roof & Floor of Treater Heater
(P) - To Repair Boiler #7
(Q) - To Repair D6 Heater #90
(R) - To Repair Fire-Stop Walk North of Control House
(S) - Safety Meeting
(T) - To Repair D5 Heater #89
(U) - To Repair Cracking Section Heaters--Unit #151
(V) - To Remove and Replace Brickwork on Boilers #3 and #4 at #1 BP
(W) - To Repair Brickwork and Plenum Tile in B-2A Heater--Unit #33
(X) - To Install Seven (7) New Tubes in "A" LGO Coil--Unit #33
(Y) - To Install 34 New Tubes in "A" LGO Coils--Unit #33
(Z) - To Repair Still #98--Asphalt Unolox

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UNION OIL COMPANY (contd.)

7082 - Wilmington - To Install K-26 Brick, or equal, on Top of Course of Parting Wall in "A" LGO Soaking Section
(A) - Ditto in "A" Visbreaker Heater - Unit #33
(B) - To Repair Brickwork in Firebox of Still #98 of Asphalt Unolox
(C) - To Install Three (3) Replacement Spools in D-3 Batts Line in Crude Area - Unit #33
(D) - To Inspect Plenum Eyebolts Roof Brick Supports in B-1-B Heater and Repair if Necessary - Unit #33
(E) - To Repair Brickwork in #6 Boiler - #1 Blr. Plant
(F) - Rpr. Plenum Tile and Brickwork in B1A Crude and Vacuum Heaters
(G) - Install K-26 on Top Course of Parting Wall in "B" LGO Soaking Section
(H) - Install 18 New Tubes in "B" LGO Htr. - Unit #33
(I) - To Inspect Roof Brick Supporting Eyebolts in B2B Heater Plenum Chamber and Repair
(J) - Install Refr. Brick on Parting Wall--Unit #33
(K) - To Repair Foundation of Acid Pump #322
(L) - To Repair Brickwork as Required --Boiler #1, BP2
(M) - Do the Necessary Repetitive Maintenance Work for the Turnabout of Unit #20
(N) - To Repair Brickwork of Boiler #5 - #1 Blr. Plant
(O) - To Repair Brickwork in Firebox of Still #97
(P) - To Relocate Inspection Door on So. Ends of Both Fireboxes on Unit #34 Heater
(Q) - To Install One (1) New Intermediate Roof Tube Hanger Support - Heater B-1 - Unit #34
(R) - Clean Firebox, Plenum and Ducts of D2 Heater; Repair - Unit #91
(S) - To Repair Brickwork in Firebox of Asphalt Still 96
(T) - To Repair Firewall at East End of Trench - Unit #33 Crude
(U) - To Repair Firewall in Trench Southest of B1B Crude Heater - Unit #33
(V) - Repair Firewall in Pipe Trench--Unit #33
(W) - To Repair Brickwork in Firebox of Still #100, also Outside Walls - Asphalt Unolox
(X) - To Inspect and Repair Brickwork in all Fireboxes, Plenum Roof and Floor Tile - T.C.C. Unit
(Y) - To Replace 12 Channels in #10 and two in #9 Zones & Repr. Refractory Lining in So. Wall - T.C.C.Unit
(Z) - To Air-Test and Repair Cooling Coils - Treating Kiln BB-101 - Unit 151 T.C.C.

7099 --See Burke & Reynolds Construction Co. Wilmington - Labor only to Repair Tower Skirts in H-2-S Plant

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UNION OIL COMPANY (contd.)

7138 - Dominguez Boiler Station - ~~Dominguez~~ Compton
Renew Brickwork - #2 Boiler

7155 - Wilmington - Repairs to Heater B-102 - TCC Unit
(A) - To Repair #1 and #2 Blr. Brickwork - Blr. Plant #1
(B) - To Replace Wall Tube Hangers B1B Crude Firebox
(C) - To Repair Fire Walls
(D) - To Repair Hole in Wall of Edeleaner Office
(E) - To Repair South Side Still #95
(F) - To Repair Fireboxes, Roof & Floor, TCC Cracking Unit
(G) - To Plumb all Rings in Cracker Heaters
(H) - To Install Sectional Roof Tube Hangers in Cracker Vaporizers
(I) - To Replace Broken Tile in Unit #33B
(J) - To Replace Tubes and Headers, Cracking Heater
(K) - Cut Brickwork at Burner Throat of Treater Vaporizer
(L) - Safety Meeting
(M) - To Replace Tube End Support Tile of Reversion Htr.
(N) - To Repair Cracks in Steelwork on Reversion Heater
(O) - To Relocate Thermocouples on Tubes in Reversion Htr.
(P) - To Repair Boiler #2
(Q) - To Renew Furnace Wall Tube, Boiler #2
(R) - To Repair Tube Hangers in Reversion Heater
(S) - To Cut Burner Port Brickwork in Treat Furnace
(T) - To Repair Bases on Acid Pumps
(U) - To Repair Brickwork in B2A Heater
(V) - To Repair B1B Heater
(W) - Inspection of Unit #33-A
(X) - Preliminary Repairs to Poly Heater Due to Explosion--Unit #20
(Y) - To Repair Brick Fire Stops
(Z) - Safety Meeting

7220 - Wilmington - To Repair Brickwork, #8 Boiler
(A) - To Repair Brickwork, Radiant Section B2B
(B) - To Repair Lining in Stack of B3B Heater
(C) - To Repr. 3 Horizontal Cracks in B2B Htr. Stack
(D) - Necessary Repairs, Unit #20
(E) - To Repair #3 Boiler
(F) - To Move Iron Grill Gates - Personnel Bldg.
(G) - Necessary Repairs to Unit #34
(H) - Necessary Repairs to T. C. C. Unit
(I) - Necessary Repairs to #98 Asphalt Still
(J) - T o Repair Broken Tile at Boiler Plant #1
(K) - Repair B.W. Heater TCC Cracking Unit
(L) - Close Openings in Pipe Trench
(M) - Temporary Repairs to Black #64
(N) - Repair Base of Pump 597F-19
(O) - Tank #65 Pipe Trench-Close Pipe Sleeve Openings
(P) - East of Tanks 25-26-Close Pipe Trench Openings

UNION OIL COMPANY (contd.)

(Q) - Repairs to B-3A Heater - Unit "A" Cracker Preliminary
(R) - To Repair Floor, B-2 Reversion Htr. - Unit #20
(S) - To Repair Brick Firewall near Unit #91
(T) - To Install Fig. 8 Fire Stations - Unit #67
(U) - To Repair Reversion & B-1 Poly Htrs. - Unit #20
(V) - To Repair Brick Curb at Road - T.C.C. Unit
(W) - To Remove Brick & Insul. & Rebrick in B1b Crude Convection Section
(X) - To Repair all Brickwork & Refractory Lining in B1B Crude Heater
(Y) - To Repair Brickwork in Steam Superheater

7313 - Wilmington - To Insulate End Tube Sheets - Unit33
(A) - Brickwork Repairs - Unit 33, "A" Cracker
(B) - Fire Control Improvement - Block 53, Tank 2
(C) - " " " - Block 52, Tank 93
(D) - " " " - Block 53, Tanks 4 & 5
(E) - " " " - Block 53
(F) - To Install New Caustic Regenerator Tower, Unit #110A
(G) - Brickwork Repairs to B-1A Crude Htr at Unit #33
(H) - To Rebrick 4 Upper Intermediate Tube Supports - B1A Convection Section
(I) - To Repair all Brickwork in Radiant Sections of B-2B and B-3B Heaters
(J) - To Remove Brick & Insulation in B-2B Heater Convection Section
(K) - To Replace Corroded Roof Brick Support Eyebolts - B1a Heater
(L) - To Repair Plaster - Control House - Unit 33 Crude Area
(M) - To Repair Fire Stop Wall at P.H.#1
(N) - To Repair Brickwork in HGO Heating Section - B3b
(O) - To Repair Plenum Roof Brick - TCC Treater
(P) - To Repair Brickwork in Fireboxes, Plenum Chambers; Heater Flue & Stack
(Q) - To Repair Refractory Lining in Zone 8 of Kiln - TCC Treater
(R) - To Replace Tubes in Still #58 as needed
(S) - To Repair Kiln Refractory Lining Channel Supports TCC Treater
(T) - To Replace Tube Baffle Tile in Plenum chamber at TCC Treater Heater
(U) - To Repair Refractory Lining where Tubes were Replaced in Kiln - TCC Treater
(V) - To Repair Refractory Lining
(W) - To Repair Brick Bracing Holding Acid Lines
(X) - To Remove Baffle Tile from #7 Boiler
(Y) - To Remove Tile at Base of Panels P-1,2,3,4,5, 6,7 --TCC Control Room
(Z) - To Connect Two (2) Hose Cabinets To H.P. Water Line

UNION OIL COMPANY (contd.)

7337 - See C. C. Moore & Co. Engineers
Labor and Material for Refractory Enclosures for Two (2) B & W Type F22 AE 14/54 Integral Furnace Boilers

7377 - Wilmington - Brickwork Repairs to Fireboxes and Plenum Chambers - TCC Cracker
(A) - To Repair Cracks in Refractory Lining in Zones 5,6,7 & No. 9 So. Walls of bottom Distribution System
(B) - Insulation to Seal Off Lines in Crk. Kiln BB-1
(C) - To Repair Damaged Brickwork - Crk. Kiln BB-1
(D) - To Repair Channel Supports in Cracker Kiln
(E) - To Furnish Material and Rebrick Walls of #6 Boiler
(F) - Temporary Repairs to Roof of D-3 Htr. Unit 91
(G) - Repair Explosion Damage to D-3 Htr. Unit 91
(H) - Install Firebrick Target Wall in D3 Heater Firebox
(I) - To Relocate Instruments & Panels - TCCUnit 151
(J) - To replace Damaged Wall & Install Pipe Marker
(K) - Safety Meeting
(L) - B-2A Heater Repairs - Unit 33 "A" Cracking
(M) - B-2A Heater Repairs Unit 33 "A" Cracking
(N) - Temporary Repairs to West Wall of Superheated
(O) - Rebrick around Inspection Door Frame (Steam Htr.
(P) - Refractory Insulation - Unit #20
(Q) - Brickwork Repairs to Boilers #3 & #4
(R) - To Repair Plenum Eyebolts - Unit #34
(S) - To Replace Roof Castings - Unit #20
(T) - To Repair Crack in Flue Lining - Unit #20
(U) - Replace Brick in Area A5; Lining Repairs in Reversion Heater and Stack
(V) - Repairs to Walls on Reversion Heater - Unit #20
(W) - To Insulate End Tube Sheets in B-3A Htr-Unit #33
(X) - To Make Available North Wall of East LGO Soaker & Floor - Unit #33
(Y) - To Prepare End Walls in "A" LGO East Heating Section for Brickwork, etc.
(Z) - To Replace Insulation between Panels of B-2A Htr.

7423 - Wilmington - To Remove Brick from Oil Burners in "A" Vis Breaker Heating Section
(A) - To Repair all Brickwork in Radiant Sections of B-2A Heater
(B) - ----------
(C) - To Repair Eyebolts in D-3A Plenum Chambers, Unit33
(D) - To Prepare to Repair Plenum Roof in B-3B Heater
(E) - Blb Crude Heater Lining, Flue & Stack Rprs, Unit33
(F) - Safety Meeting
(G) - D-1 Heater Firebox - To Install Checker Firebox Unit #91

UNION OIL COMPANY (contd.)

(H) - D-3 Heater Firebox Revamping - Unit #91
(I) - To Repair Plenum Tile in Bla Heater
(J) - To Replace 4" Drain Line - South Blowdown
(K) - B-3B Heaters - To Replace Insulation Unit 33
(L) - Visbreaker Heating Section-New Brick Lining-
(M) - To Replace Leaking 4" Spool in D-1 Botts Line-Unit #91
(N) - To Repair West Side Wall, Superheater Unit 33B
(O) - Boiler #5 at B.P.#1 - Brickwork Repairs
(P) - To Repair Flarepit - Blowdown Unit
(Q) - To Rpr Firebox Bkwrk on Unit 33"B"Cracking Htr
(R) - To Repair Brickwork on Skirt of Tower Unit 33LE
(S) - B-3B Stack Lining-To Repair Cracks in Top
(T) - B-2B Heater - To Replace Insulation
(U) - To Repair Ceiling Plaster of Electric Room in
(V) - To Remortar Loose Bricks in Wall)Edeleanu Plant
(W) - To Salvage 4" Piping,etc.near Tanks 254-256
(X) - #1 Boiler at B.P.#2-Repetitive Maintenance Work
(Y) - TCC Cracking Section " " "
(Z) - TCC Kiln - To Repair Steam Tubes in Coils

7451 - Wilmington - T. C. C. Kiln - To Repair Refractory Brick in Zone 9

(A) - Boiler #2,Plant 2-Rpr Refrac & Replace Chrome Ore
(B) - " " " "-Rpr Brkwk around Burner Rings
(C) - " #3, " 2-Replace Insul Blks & Chrome Ore
(D) -
(E) - Replace Leaking Section of 6" Line at Block 33
(F) - To Install Fire Wall across Pipe Trench on "F" Street
(G) - Sewer System Drainage
(H) - To Repair & Reinstall Lighting Standard at Rd. 10 & "H" St.
(I) - To Repair Wall at Dand Rd. 12
(J) - To Replace Header Boxes on TCC Treater Heater
(K) - Boiler #1 & 2,B.P.#1-Minor Brickwork Repairs
(L) - TCC Treater-To Repair Flue & Stack Lining
)M) - Treater Kiln - To Repair Brick in Zone #2
(N) - To Replace Header Boxes on T.C.C. Treater Heater
(O) - Unit #20 - To Repair Lining in Reversion Htr. &
(P) - Rprs Blowdown System at FlarePit,Flue;Rpr Tube
(Q) - Remove Tk.70 & Make Connections (Hanger Bolts
(R) - Preliminary Brick Drilling on Steam Superheater Unit 33 B Crckr
(S) - Brickwrk Rprs on Blb Htr Unit 33,A Cracker
(T) - Rpr Eyebolts in B2a Plenum Chamber & Brkwrk-Unit 33
(U) - Rpr Refrac Lining in Gas Plant Htrs-Unit 153
(V) - Install 2 Brick Walls in Visbreaker Htr-Unit33,A
(W) - Install 1 Brick Wall in HGO Htr, Unit 33, A
(X) - Remove & Replace T.B.T. on Tubes in LGO Htr,Unit
(Y) - Still #57-Replace Tubes,Tube Supports & 33,A Brkwrk
(Z) - Replace Insul;Refrac on West Wall of B-2b htr; Unit 33, B.

NO. 801-11R U.S.A.

UNION OIL COMPANY (contd.)

7474 - See Bechtel Corporation - Wilmington- Acid-Proof Brick Lining in Sump Hole
(A) - To Repair Fire Walls in Pipe Trench
7511 - See The Ralph M. Parsons Company - Wilmington To Construct Waste Gas Incinerator
Wilmington
7518 - See C. F. Braun & Co. - Labor Only to Install Refractories & Insulation for One (1) Petro-Chem Heater Oil
Extra- To Haul Material from Richfield Oil & Braum to Union
7534 - See The Fluor Corporation Ltd - Wilmington, Calif. Setting for Petro-Chem Vacuum Heater B-1
(A) - " " " " Crude Heater B-101
(B) - " " " " Crude Heater B-201
Extra-B &W. K-20 I.F.B.
AExtra) Hauling Material
BExtra)
7547 - Wilmington - Boiler #8 Overhaul - Boiler Plant #1
(A) - Boiler #8, Plant #1 - Brickwork Repairs
(B) - Safety Meeting
(C) - Unit #33, Bla Crude Heater, Flue & Stack
(D) - Repair Eyebolts in B-2B Plenum Chamber
(E) - Unit #33, Replace Baffle Tile on New Tubes on B2b Heater
(F) - Unit #33, Replace Tube Baffle Tile in B3b Heater
(G) - To Repair Brick Firewall at Asphalt Still Area
(H) - Unit #34, To Repair Heater Brickwork
(I) - Unit #33, To Repair Leaking Tube in Steam Superheater
(J) - Unit #33, To Replace Tubes in BB Steam Superheater
(K) - Unit #91, D-1 Tower Reboiler - To Remove Baffle Tile
(L) - To Replace Pumps 322 and 329
(M) - Unit #67 - To Remove Tile in Heater Tubes
(N) - Unit #67 - To Repair Damaged Brickwork
(O) - Unit #91- To Repair Damaged Brickwork in Heater D-1 Firebox
(P) - Unit #34 - To Repair Brick Fire Stops in Pipe Trench
(Q) - Unit #91 - D-3 Tower Reboiler Heater Brickwork Repairs (Wall
(R) - Renew leaking tube in Steam Sprhtr,brkwrk on Target
(S) - #2 Boiler in Boiler Plant #2S -- To Repair Inspection Door Frame & Brickwork
(T) - Unit #91 - To Replace Leaking Spool in Conden- Sate Line
(U) - TCC Treater - Brickwork Repairs
(V) - To Repair TCC Treater Kiln
(W) - Still #58 Repairs
(X) - D-3 Tower System-Unit 91 -- Remove Gas Line
(Y) - Necess Repairs to Firewall at Unit #91
(Z)- Necess Repairs to D-2 Heater Roof

UNION OIL COMPANY (contd.)

7556 - Los Angeles 15 -(714 W. Olympic Blvd.)
Los Angeles Terminal - Brickwork Repairs to Marine Heine Type Boiler

7633 - Wilmington - To Repair Brick Fire Stop in North-South Trench
(A) - To Repair Brick Interior Of Oven
(B) - Unit #20 - To Repair Brickwork in Conversion Heater
(C) - To Repair Lining in B-2A and B-3A Flues, Unit 33
(D) - To Repair Brickwork in B-3A Htrs-Unit 33 (Htrs.
(E) - Safety Meeting
(F) - To Move Brick Wall between 1st & 2nd Rows of Burners H.G.O. Htr 33A
(G) - To Place Tube Baffle Tile on H.G.O. Htr & Skr.
(H) - To Place Tube Baffle Tile on L.G.O. Tubes(Tubes
(I) - To Place Tube Baffle Tile on Re-former Tubes
(J) - To Place Tube Baffle Tile on Vis breaker Tubes
(K) - To Repair Brickwork in B.1B Crude Heater
(L) - To Remove Tube B.T. and Old Roof Brick T.C.C.Htr.
(M) - To Remove Old Brick from E. & W. Walls of Superheaters - T.C.C.
(N) - To Remove and Replace T.B.T. in L.G.O. Htr-Unit
(O) - To Remove & Replace T.B.T. Reformer Htr. (33B
(P) - To Remove & Replace T.B.T. in H.G.O. Htr-Unit 33B
(Q) - To Repair Floor of L.G.O. Soaker Htr-Unit 33B
(R) - To Repair Lining in Flue B-3B Htr.
(S) - Remove & Replace T.B.T. in Visebreaker Htr-Unit
(T) - Replace Parting Wall between Visbreaker (33B & Soaking Section
(U) - To Repair brickwork in B-2B and B-3B cracking
(V) - TCC Unit-To Replace Lower Brick in End Walls in No. & So.End of Vapor. Htrs 33B
(W) - To Remove & Replace T.B.T. in HGO Soaker-Unit 33B
(X) - To Repair Floor in T.C.C. Cracker Htr.
(Y) - To Renew Refractory around Burners T.C.C. Cracker
(Z) - New Panels on T.C.C. Cracking Htr., E. & W. Sides

7658 - See The Ralph M. Parsons Company
Wilmington - Lining for Waste Heat Boiler
(A) Extend Combustion Tunnel 9"
(B) Fill Open Joints in Waste Gas Incinerator Breeching
(Bcancelled)
(C) --To Line 20" dia. Tee Section on Waste Heat Blr.

UNION OIL COMPANY OF CALIFORNIA

7668 - Wilmington - To Repair Lining in Kiln at T. C. C. Cracker

(A) - To Repair Target Wall in Boiler #7
(B) - To Renew Tube Sheets in Zone #2 of Kiln
(C) - To Repair Brickwork in Boiler #7
(D) - To Replace Channel T Bars in Kiln
(E) - To Repair Lining in Stack
(F) - To Replace Plenum Roof
(G) - To Repair Lining in Kiln
(H) - To Cut Hole in Bottom of Heater
(I) - Repetitive Maintenance Work
(J) - To Repair Lining in Kiln
(K) - To Repair Lining in Air-Line Blower
(L) - To Repair Refractory in Treater Heater Firebox
(M) - Blowdown System- To Clean Drain Line & Repair Brick Baffles
(N) - To Repair Concrete & Brick - H-1 Unit Water Treatin
(O) - Monthly Safety Meeting
)P) - To Repair Plaster & Repaint Toilet Room & Hall - Unit 33 Crude
(Q) - To Replace Sulfur Pot F-6B
(R) - To Repair Brickwork in Peabody Burner
(S) - To Drill Hole Through Boiler #6 Wall
(T) - To Replace 2" Block Insulation in B-2 Heater Unit #20
(U) - Brickwork Repairs to Rev. Heater Stack & Flue
(V) - To Renew South Wall of Asphalt Still #57
(W) - Refractory Repairs on B-1 Poly Heater
(X) - To Replace Brick Wall - Unit 33 A Cracker
(Y) - Repetitive Maintenance Work on Unit 33A
(Z) - To Replace Insulation under Three Panels B-1-B Unit 33

7718 - Wilmington - Sepulveda & Wilm Ave. Necessary Repairs to Heater
(A) - Torrance - Heater Repairs
(B) - Torrance - Front Wall Repairs to Heater

7725 - Wilmington - To Move Brick Wall to New Location in Visbreaker - Unit #33

(A) - To Repair Brickwork in B 1-B Heater - Unit #33
(B) - To Repair Brickwork in Radiant Section of B-3B Htr
(C) - Brickwork Repairs to Kiln Lining on T. C. C. Crckr
(D) - To Repair all Brickwork in Radiant Sections of B-3B Htr, Unit #33
(E) - Still #58 - To Replace Lower Tubes
(F) - B-1a Crude Heater - To Replace Insulating Blocks Unit #33
(G) - B-1a Crude Heater Brickwork Repairs; Lining Repairs in Htr. Flue & Stack
(H) - To Install a Brick Firewall at P.H. #1

UNION OIL COMPANY OF CALIFORNIA

(I) - To Repair Brick Firewalls near Unit #34
(J) - Boilers #3 & #4 - Brickwork Repairs
(K) - To Remove Plenum Tile - Unit #34
(L) - Unit #34 Heater - To Remove Old Center Section of Parting Wall
(M) - To Replace Plenum Tile on Reformer Heater Tubes - Unit #33
(N) - Unit #34 Heater - To Remove Tube Baffle Tile
(O) - Boiler #1, Plant #2 - Brickwork Rprs
(P) - Boiler #1, Plant #2, - Brickwork Rprs
(Q) - Floor in Firebox of #34 Unit Heater
(R) - Boiler #1, Plant #2 - Brickwork Repairs
(S) - To Repair Kiln Lining at T. C. C. Cracker
(T) - Brickwork Repairs in Firebox & Plenum Chambers T. C. C. Cracker
(U) - Airline Burner at T. C. C. Cracker
(V) - To Insulate Tube Sheets for Treater Htr. Tube Renewals
(W) - To Drill all Brick to Replace East & West Walls at Treater Superheater
(X) - To Insulate Plate in Stack Breeching - Cracker Heater
(Y) - Brickwork Repairs at Burner in Vap. & Superheater
(Z) - To Repair Refractory Lining in Flue & Stack- T. C. C. Trt. Heaters

7783 - Wilmington - To Remove Old Baker's Oven and Install New Oven in Kitchen
(A) - To Repair Leak Behind Door - D1 Heater, U91
(B) - Tank 92, Block 52 -- Clean, Inspect, and Repair
(C) - To Repair Kiln Refractory Lining - T.C. C. Treater
(D) - Brickwork Repairs to D2 Heater Damaged by Explosion
(E) - Brickwork Repairs in Firebox Floor of T. C. C. Treater Heater
(F) - Insulation Repairs on Kiln Feed Elev. Plate - T. C. C. Treater
(G) - To Repair #2 Boiler Brickwork, Plant #2
(H) - To Repair #5 Boiler Brickwork, Plant #1
(I) - To Patch Kiln Lining - Zones 1 thru 10 Unit 151 TCC
(J) - D2 Heater, Unit 91 - To Construct Fire Brick Walls at Each Burner Port
(K) - Unit #91 - To Repair Fire Walls where steam Line was Renewed
(L) - Boiler #3, Plant #2 - Brickwork Repairs
(M) - To Replace Sections of Pipeline - Units 20933 to Tanks 275 and 276
(N) - Boilers #1 and #2 Brickwork Repairs

UNION OIL COMPANY (contd.)

(O) - B-101 Heater - To Repair Refractories & Reinsulate Header Boxes
(P) - B-101 Heater at U-86 Brickwork Repairs
(Q) - Fire Protection - To Install Fig. 8 Hose Cabinet at Asphalt Stills
(R) - Boiler #8, Plant #1 - To Remove East Furnace Wall, Burner Throats & 2 courses of Furnace Floor
(S) - Safety Meeting
(T) - Boiler #8, Plant #1 - Brickwork
(U) - Heaters D5 & D6 - To Repair Stack Refractory and Brickwork Repairs
(V) - D5 & D6 Reboiler Heater Stack Refractory
(W) - Unit #20 - Rpr. Refractory Lining in Reversion-Htr. Stack and Flue
(X) - To Make Changes & Clean TCC Instrument Shop for Storage Room
(Y) - To Fabricate & Install Piping & Instrumentation, Units 25 & 26
(Z) - To Re-lay Misplaced Floor Bricks in LGO Heater-#33 "A" Cracking

7835 - Wilmington - To Repair all Brickwork in Radiant Sections of B-3A Htr., #33 "A" Cracking
(A) - To Install New Brick in Floor of Reformer Heating Section "A" Cracking
(B) - To Remove Brick Around F-2 Drain - Unit 33 Crude
(C) - To Install Target Walls in Cracking Heaters - Unit 33, "A" Side
(D) - To Repair Brickwork in B-1A Vacuum Heater, - Unit 33
(E) - To Repair Wall Brickwork in B-1A Heater - Unit 33
(F) - To Repair Brickwork in B-1A Crude Heater, Flue, and Stack
(G) - To Replace Neces. Wall Brick around 7 Wall Tube Hangers on B-1A West Crude Heater
(H) - To Replace Brick around 8 New Wall Tube Hangers in B-1A East Crude Heater-U33
(I) - To Replace Neces. Brick around 4 New Hangers in B-1B West Crude Heater
(J) - To Repair all Brickwork in B-1B Crude Htr., Flue and Stack
(K) - To Repair Leaking Kerosene Line
(L) - To Repair Lower 5 ft. of Stack Lining in B-3B Htr. Stack - Unit #33
(M) - To Install Target Walls in Cracking Heaters at Unit #33-A
(N) - Backweld Nozzles and Patch Tank 92

UNION OIL COMPANY (contd.)

(O) - Renew Tubes and Repair Refractory Lining - Unit #33 Crkg.
(P) - To Repair all Brickwork in Radiant Sections of B-2 Htr. & Plenum Chamber-U33
(Q) - To Remove, Clean, & Re-lay Top Course of Floor Bri in East Vaporizer
(R) - Refractory Repairs on B-1 and B-2 Htrs. on Cracker Side
(S) - To Repair Damaged Refractory in Zone 8A of Cracker Kiln
(T) - To Insulate Panel on Catalyst Elevator
(U) - To Repair Refractory on South Wall of Cracker Kiln in Zone 8
(V) - To Repair Brickwork in Fireboxes and Plenum Chambers - TCC Cracker
(W) - To Provide Offices in Heavy Equipment Room
(X) - To Replace Brick in East End of #1 Heater - Unit #67
(Y) - To Repair Refractory Lining in Peabody Heater - Unit 152-FCC
(Z) - To Repair Refractory at Outer Seal of Regenerator Grid - 152-FCC

7904 - Wilmington - To Repair Regenerator Cone Refractory - Unit 152-FCC
(A) - To Repair Base of Spent Acid Pump 912, providing narrow Drain Trench at Grade Level
(B) - Plenum Chamber Lining of Regenerator FCC
(C) - To Repair Bricks in CLEF Heater - Unit 153
(D) - To Remove Obsolete Resid. Line from Tanks 27 & 28
(E) - To Repair Brick Fire Stops in Trench at 10th & B Street
(F) - Safety Meeting
(G) - To Review Wall Tube Header Comptm. at B101-TCC UNit
(H) - Necs. Repairs to Treater Heater at TCC Unit
(I) - Neces. Repairs to Treater Heater at TCC Unit
(J) - To Repair Brickwork in TCC Treater Kiln
(K) - To Remove Old Refractory in Flue Gas Duct under Conv. Sec. of Trt. Htr. - TCC
(L) - To Rpr. Brickwork in Boilers #3 & #4 - Plant #1
(M) - To Install Replacement for Pump #41 at Unit 135
(N) - To Repr. Fire Stops in Trench at 10th & B. Street
(O) - To Install Pipe Shop Office
(P) - To Make Burner Tile for Unit #27
(Q) - Necessary Reprs. to #5 Boiler at Boiler Plant #1
(R) - Misc. Brickwork Repairs in Unit 20
(S) - Fight Fire at Tank #4

UNION OIL COMPANY (contd.)

7904 (contd.)
(T) Replace Brick Wall Removed for Line P. 27 - Unit20
(U) - To Repair Brickwork in Poly Heater - Unit 20
(V) - To Replace Length of 4" Line on U-20
(W) - To Repair Footing & Supports for Transite Wall D-1, D-3Htrs.- Unit 91
(X) - To Repair Refractory around Intermediate Tube Guide Castings U26 Heater
(Y) - To Reconnect the North Manifold of P-1624 to the Pump Suction
(Z) - To Repair Tubes in Still 57 at Asphalt Stills

7961 - Wilmington - To Repair Brickwork in B-101 H_2S Furnace
(A) - To Repair Brickwork in Auxiliary H_2S Furnace
(B) - To Repair Stack Lining of Incinerator
(C) - To Brick up Lower Manhole Opening of B-101 Heater on North End - Sulfur Plant
(D) - To Repair Firing Throat of Auxiliary Burner B-102 Sulfur Plant
(E) - To Insulate Manhole Covers of D-101 Vessel-Sulfur Plant
(F) - To Repair Piping Damaged by Fire of 9-11-53
(G) - To Fireproof & Insulate Towers & Reboilers - U-[illegible]
(H) - To Rpr. all Brickwork in Radiant Sections of B-2A Htr. & Plenum Chamber
(I) - To Install Row of Bricks between Fuel Gas Brns. in Reformer Soaking Section
(J) - To Replace Broken Plenum Tile in B-3A Htr.-Unit "A" Cracking
(K) - To Replace Broken Plenum Tile in B-2A Htr.-Unit "A" Cracking
(L) - Repr. return Bend of Tubes on Eastside of Heater Still #58
(M) - 14" Brick Ring around Two Waste Gas Burner Inlets Unit #27
(N) - Remove Baffle Tile from #7 Boiler
(O) - Repair Furnace Floor in #7 Boiler
(P) - Rpr. Eyebolts in B-3B Plenum Chambers & Repair all Brickwork in Radiant Sections
(Q) - Repair Still #95
(R) - Replace broken Plenum Tile in B-3B Heater & all Brkwk
(S) - Brickwork between Fuel Gas Burners in Reformer Sect.
(T) - Install Fire Stops
(U) - Replace Brick in Plenum Chamber
(V) - Replace Broken Plenum Tile in B-2B
(W) - Repair Base of Spent Acid Circulation Pump Unit 110A
(X) - To Remove Portion of S. Wall of D-2 Reboiler-Unit #67
(Y) - To Repair Brickwork & Tile in #1 & #2 Heater-Unit #67
(Z) - To Remove Parting Wall between D1 & D2 Reboiler-#67

UNION COMPANY (contd.)

8004 - Wilmington - Htr. B-101, U-86 - To Remove refractory from between Support Castings on Tubes

(A) - To Repair Brickwork on #4 Boiler'
(B) - To Replace Tubes D1 Heater - Unit 67
(C) - To Repair Firewall - Unit 67
(D) - To Repair Firewall - Unit 67
(E) - To Replace Tubes D-2 Heater - Unit 67
(F) - To Repair Brick Fire Stops in Trench at 12 & D St. & Rd. 8 & D St.
(G) - To Replace South Center Tunnel Wall in East Cracking Superheater
(H) - To Renew Refractory on End Tube Supports in all Coils of Cracking Heaters
(I) - To Repair Piping in Trenches
(J) - Renew Refractory on End Tube Supports in all Coils of Cracker Heater
(K) - To Renew Lower South Gas Ring in #3 Boiler - #2 Plant
(L) - To Repair Repair Linings in Htr. Flue & Stack; Brickwork in Fireboxes and Plenum Chambers
(M) - Refractory Repairs to TCC Cracker Htrs.
(N) - To Rebuild Fire Wall in North Pipe Trench D St.
(O) - Do Neces. Cleanup & Repairs in U33 Crude Area
(P) - To Repair Paving Around West End of F1 at U137
(Q) - To Replace Baffle Tile in Boiler #5, Plant #2
(R) - To Prepare to Rebrick Upper S. Wall & Entire N. Wall - TCC Treater
(S) - To Rebuild Brickwork at Gas Burners in Flare Pit
(T) - To Repair Refractory on North Side of Zone 10 and other Zones as Neces. - TCC Treater
(U) - To Repair Refractory in Zone 8 at TCC
(V) - Brickwork in Plenum Section & In Firebox Section of Treater Heater
(W) - To Make Temp. Repairs to Air Duct above Airline Burner - TCC
(X) - To Repair Tanks & Vessels at Asph. Loading Rock Damaged by Fire
(Y) - To Remove Brickwork on F-2 Plumbite to Settler at Unit #84
(Z) - Do Minor Brickwork on #6 Boiler, Plant #1

8037- Wilmington - To Remove Gas Booster Compressor #11 & Turbine #22

(contd)

UNION OIL COMPANY (contd.)

8037 (contd.)

(A) - To Repair Brickwork in Trenches around Area 1 in 33 Crk.
(B) - To Repair Broken Brick Fire Stop on Road10
(C) - To Repair Steam Leak on 2" Burner Line to D-6 Heater, U-91
(D) - To Remove Open 4" Line Going through Brick Fire Stop; Fill in Hole in Fire Stop
(E) - To Repair Brickwork of Pipe Trench Fire Stop
(F) - To Repair Hole in the Wall of Dye Plant Bldg.
(G) - To Repair Brick Fire Stop in F St. Pipe Trench
(H) - To Repair Damage to Htr. B-1 at Unit 34 caused by Explosion
(I) - To Remove Neces. Tile to Replace 19 Three Spider Burner Support Castings in HGO Heater
(J) - To Remove Floor Sufficiently to Replace 15 ' Burner Support Castings in LGO Heater
(K) - To Remove Neces. Tile to Replace three Three-Spider Burner Support Castings in Ref. Htr.
(L) - To Remove Neces. Tile to Replace 2 Burner Support Castings in Vis. Brkr. Htr.
(M) - To Repair Eyebolts in B-3A Plenum Chamber & all other Brickwork
(N) - To Repair Brickwork at Gas Burner Rings
(O) - To Replace Two Tubes in Boiler #1 at B.P. #2
(P) - To Repair Floor around Urinal in FCC Structure U-152
(Q) - To Seal Cover on Sewer Box #29
(R) - To Repair Broken Fire Stop in Pipe Trench
(S) - Repair Refractory Lining in Reversion Htr. Flue & Stack, etc.
(T) - To Repair Firewall from "B" Street to Manifold - Unit 20
(U) - To Replace B.O. Brick around Poly Htr. Burners - Unit 20
(V) - Brickwork in BIa Crude Heater, Flue & Stack - Unit33
(W) - To Remove Dead Manifold Piping & Valves on D Street
(X) - To Repair Electric Conduit in Acid Handling Area at Water Treating Plant
(Y) - Misc. Repairs to Sewer Box #17
(Z) - Safety Meeting

8074 - Wilmington - To Repair Brick Retaining Wall in Pipe Trench
(A) - To Remove Floor in LCO Htr. to Replace 19 Burner Support Castings
(B) - To Remove Burner Tile Neces. to Replace Burner Support Castings in Reformer Heater
(C) - To Remove Burner Tile Neces. to Replace Burner Support Castings in HGO Heater

UNION OIL COMPANY (contd.)

8074 - (contd.)
(D) - To Remove Burner Tile Neces. to Replace Burner Support Cstgs. in Vis-breaker Htr.
(E) - Repair Eyebolts & Misc. Brickwork in B2B Htr.
(F) - Add a Remote Ignition for Pilots at Flare Pit at Incinerator
(G) - Tear Down South Wall of #2 Blr. - Plant #1
(H) - To Make Minor Brickwork Repairs - Plant #1
(I) - Do Necessary Work at Unit #67
(J) - Remove & Salvage 24" Still Line Stub & Fittings U-27 Cooling Tower
(K) - Repair all Unit #34 Htr. Brickwork
(L) - Reseal Gas Burner Rings in B-201 Htr.
(M) - Repairs to Deck of Glassware Oven at CRR Laboratory
(N) - Repair Minor Brickwork in #2 Blr - Plant #2
(O) - Remove Loose Brick & Repair Floor in B-1 Htr Units 25 & 27
(P) - Renew Cracked & Broken Burner Cones on #1 & #9 Burners - Units 25 & 27
(Q) - Remove Brick Dividing Walls between Burners in Superheater Fireboxes & Floor TCC Cracker
(R) - Remove & Replace Brick on F-13 Odor Abatememt
(S) - Rebuild Brick Wall for Iron Walkway in Pipe Trench
(T) - Brickwork Repairs Neces. In Firebox & Plenum Chamber
(U) - Make Minor Refractory Repairs to BB-1 Kiln-TCC Cracker
(V) - Repair Refractory in TCC Cracker Kiln BB-1
(W) - Repair Damaged Refractory at Base of Cracking Htr. Flue Gas Stack
(X) - Repair Refractory in Air Line Burner - TCC Cracker
(Y) - Repair Firestop at E-W Pipe Trench N-W of Unit 84
(Z) - Coulk up Cracks in Brick with Cement

8101 - Union Oil Company of California - Wilmington
Provide Material and Remove Refractory Lining-TCC Htr
(A) - Haul & Store Material for Zone 10 Rpr of TCC Treater Kiln & Gunite
(B) - Remove One Burner in TCC Treater Superheater
(C) - Repair Wall & Floor Refractory in W. Superheater under H_2S Burner Lower
(D) - Remove Refractory in/Half E. Wall Zone 4-TCC Treater
(E) - Remove Refractory on Entire East Wall Zone 1-TCC Treater Kiln
(F) - Rpr Refractory in E. Wall of Plenum Chamber-TCC Ttr
(G) - Remove & Rpr Refractory from N. Wall of E. Side of Zone 8-TCC Ttr Kiln
(H) - Do Neces. Work on U-20

1954

UNION OIL COMPANY (contd.)

8101 (contd.)

(I) - Rpr TCC Ttr. Htr. & Refractory Lining in Flue & Stack
(J) - Remove & Replace Damaged Refractory in Lower S. Wall of W. Side, Zone 3, TCC Ttr Kiln
(K) - Install Acid-Proof Cement in Six Buell Cyclones
(L) - Rpr Refractory Lining in Zone 7, E. Wall, TCC Ttr Kiln
(M) - Rpr Refractory Lining in Zone 6, E. Side N. Wall, TCC Ttr Kiln
(N) - Rpr Refractory in Kiln, Zone 6, Top of West Wall
(O) - Rpr Refractory Lining in Zone 3, N. end of W. Wall TCC Ttr Kiln
(P) - Check Skirts on F-1 Vessel at Unit 101 Area-Unit 91
(Q) - Inspect Skirts on Vessels F-14 & F-17 in Unit 101
(R) - Apply Acid-proof Cement Lining - Reactor Riser Line
(S) - Line Distributors with Fiberized Cement in FCC Reactors
(T) - Rpr Refrac. Lining in Flue & Stack B201 & B202 Htrs.
(U) - Remove Brick to Replace T.W. on B201 & B202 Htrs.
(V) - Repair Fire Stops at P.H. #1
(W) - Remove Refractory from Bottom of B.D. Stack-TCC
(X) - Repair Fire Stop in Pipe Trench-N.E. of Pump House #2
(Y) - Repair Neces. Refrac. Lining in Peabody Heater-FCC
(Z) - Replace Sect. of 3" Propane Loading Line

8113 - Wilmington - Repair Fire Stop on C St. South of Tank 71
(A) - Repair Fire Stop at E-W Pipe Trench S.E. of Unit 86
(B) - Repair Two Fire Stops near Tanks 205 & 206
(C) - Repair Two Fire Stops on C St. & Rds. 11
(D) - Remove Refrac. from DD-601 Regenerator to Install New Nipple
(E) - Install Fire Stop in Pipe Trench Leading to Blr Plant #1
(F) - Rpr Regen Refractory - U-152
(G) - Rpr Acid-proof Cement Lining in Reactor Standpipe
(H) - Rpr Acid-proof Cement Lining in Reactor Line
(I) - Rpr Broken Brk Treads in Stairway over Fire Wall
(J) - Install Brick Fire Stops & Steel Stile
(K) - Provide a Door between Offices7&8-Personnel Bldg.
(L) - Rpr Fire Stops in Pipe Trenches on C St.
(M) - Boiler #8 Brickwork Repairs - Plant #1
(N) - Remove Burner Wall on #3 Boiler - Plant #2
(O) - Repair Support Skirt of F-13 Odor Abatement U-101 Vessel
(P) - Repair Lining & Refractory In B-101 Htr after Repairs are Made
(Q) - Repair Brickwork on Boiler #3, Plant #2

(contd.)

UNION OIL COMPANY (CONTD.)

8113-(contd.)
(R) - Safety Meeting
(S) - Seal Pipe Trench on West Side of BP#1
(T) - Repair Fire Stops in Pipe Trenches on D St.
(U) - Briwrk Rprs in B-3A Hts & Plenum Chamber
(V) - Install Wire in Header Compartments of LGO Heater
(W) - Install Wire in Header Compartments of LGO Heater
(X) - Repair Refractory In Header Compartment of Ref.Htr.
(Y) - Remove Old Refractory to be Repaired in B-3A Htr. Header Boxes
(Z) - Remove Old Refractory to be Repaired in B-2A Conv. Section

8115 - See Southwest Welding & Manufacturing Co.
The Ralph M. Parsons Company
Alhambra
Line Two Reactor Vessels in Your Shop

8150 - Wilmington - Repair Refractory In Header Compartment of Visbreaker Htr.
(A) - Repair Fireproofing on Columns West of E-255
(B) - Replace Brkwrk in B1a Heater
(C) - Replace Brkwrk in B1b Vac. Htr - Unit #33
(D) - Rpr all Brkwrk in B1a Crude Htr & Lining in Htr. Flue and Stack
(E) - Rpr all Brkwrk in B1b Crude Htr & Lining in Htr. Flue & Stack
(F) - Rpr Breeching Linings B1a Htr Stack
(G) - Rpr End Tubes at Asphalt Still #58
(H) - Rpr Brkwrk on Sewer Box #9, Provide Metal Cover & 1" Coupling
(I) - Repair Sewer Box #8
(J) - Repair Sewer Box #19
(K) - Rpr Brkwrk on Base of D-11 Tower
(L) - Install Two Red-brickWalls for Fire Stops in E-W Trench So. of U-91
(M) - Install Brick Trench Fire Block at N.E. cor. of Rd 12 and F St.
(N) - Remove Burner Wall above Burner Tile-B1r#5,Plant#1
(O) - Remove to Salvage the Old Tk. 256 Diesol LR Line
(P) - Repair Plenum Chamber & Radiant Section of B-2B Htr
(Q) - Remove Fireproofing Brick on Support Skirt of D7B Tower
(R) - Renew Refractory in Roof Tube Heater Compartment of B-2B Htr.
(S) - Rpr Brkwrk on #5 Boiler
(T) - Rpr Brk Fire Wall at North Side of B Street
(U) - Inspect Skirts on Vessels-Unit #91
(V) - Remove Brk Insul & Inspect Vessel Bases-U-110A
(W) - Inspect Skirts on D-1 & D-2 Towers
(X) - Remove Obsolete Line at U-20 (Seal in FCC Regen
(Y) - Install Steel Ring & Patch Mono. Insul above Grid

(Z) Rpr FCC T/A, U-152

UNION OIL COMPANY (contd.)

8180 - Wilmington - Open, Decoke and Inspect U-86 Heater, B-101
(A) - Remove Abandoned Pump Base in Acid Area of Water Heating Plant
(B) - Reinsulate around Blasting Steam Nozzle in Reactor Line
(C) - Repair Refractory in Unit 20 Htr.
(D) - Rpr Brkwrk on Boilers #3 & #4
(E) - Insulate Two Spools in 750# Steam Line to U-33
(F) - Nec. Work to Test Skirts on D-2, D-6, & D-7 Towers at U-91
(G) - Nec. Work to Test Skirt on D-3 Tower at U-110A
(H) - Rpr Steam Leaks on Suction Lines of Asphalt Stills
(I) - Remove Brk Wall, etc. (D-1 Htr. Disch. to D-1 Tower)
(J) - Rpr Brk Treadin Stairway - Blk 33 & D St.
(K) - Rpr 1" Steam Line at Tanks 261-262, Unit 110-A
(L) - Relocate A6 Line into New Berth
(M) - Replace Acid-proof Brick around Dump #1635 at Water Treating Plant
(N) - Replace Tube Baffle Tile in D-1 Htr
(O) - Rpr Firewalls Removed for Replacement of Line P-88
(P) - Rpr Brk Firewall between Pump 42 & 197 at P.H. #1
(Q) - Remove Bricks from Waste Gas Burners and to Repair Furn Floor Refractory in area Unit 27
(R) - Remove to Salvage the Old 2" Ammonia Emp-off Line
(S) - Remove to Salvage the Old 10U-84 Feed Line on Rd.8
(T) - Remove to Salvage 3" Line
(U) - Remove to Salvage 3" U-135 Caustic Circ. Line
(V) - Install Ceramic Tile on Floor & Wall at Drinking Fountain
(W) - Rpr Refractories on Cone in B1 Htr - Unit #27
(X) - Replace Refractory Packing on B1Htr Burners-Unit #25
(Y) - Replace Refractory Packing on B-101 Htr Burners
(Z) - Cut and Prepare Material for Zone 16 of TCC Crk Kiln

8186 - See The Fluor Corporation, Ltd. - Oleum, Calif. Design Waste-Gas Incinerator and Stack

8202 - **See The Ralph M. Parsons Company Wilmington Fire Proofing Vessel**

8216 - Wilmington - Remove Old Refrac. from Lower Section of W. Wall Zone 1 of Crk. kiln, to be Repaired
(A) - Repair Flue-Gas Leaks on Treater Kiln -U-151
(B) - Repair Brickwork in Fireboxes, Plenum Chambers, Htr. Flue & Stack - TCC Crk
(C) - Pack Leaks around Steam Coil Outlets, Fit Ends of Header Compartments Zones 5 thru 10, Crk. Kiln

UNION OIL COMPANY (contd.)

8216 - (contd.)
(D) - Obsolete Line Removal, Agit 1 & 2 to 3
(E) - Repair Base of Pump 768 - U-110A
(F) - Repair Base of Pump 633 - U-110A
(G) - Disconnect Lines of P-1135 at PH#1
(H) - Repair Leak in (A12) Line opposite U-91
(I) - Remove to Salvage Suction Manifold to Former Pumps 444-445 at PH#1
(J) - Install Connection bet. U-86 Feed Line & 12" Agit. Line at PH #1
(K) - Repair BB-101 Trt. Kiln Refractory - U-151
(L) - Drill Holes in Refractory in TCC Kiln Hoppers for Thermocouplings
(M) - Repair Brickwork in Trt. Htr. - TCC
(N) - Remove Refrac Insul. to Replace Flue Gas Collector Headers in Zone 8 - TCC Trt.
(O) - Repair S. Wall Refrac. in TCC Trt.
(P) - Insulate Header Boxes - TCC Kiln
(Q) - Remove to Salvage all Dead Piping & Fittings in E-W Trench, Tk. 12 to 136
(R) - Remove to Salvage all Dead Piping & Fittings in E-W Trench, Tk. 11 to 134
(S) - Repair Brkwrk around Gas Burners in Boiler #4
(T) - Place Scaff. at Htr. D-6 at U-91, Place Temp. Light & Clean up Brick
(U) - Install Door in North Wall of Control House of Unit 137
(V) - Remove Brkwrk in D5 and D6 Htrs. for Tube Inspection - U-91
(W) - Replace 1½" Mercaptan Line - Read 10 to F-13 Unit 110-A
(X) - Rpr Damage to D6 Htr. at U-91 Caused by Fire
(Y) - Rpr Roof on Breeching on D5 & D6 Flue to Stack & Damper - U-91
(Z) - Rpr Eyebolts & Brkwrk in Plenum Chamber of B3A Htr and B2A Htr

8240 - Wilmington - **Renew Section of 3" LPD Prod. Line Unit-20**

(A) - Replace Tube Baffle Tile in HGO Htr, Unit 33A
(B) - Replace Tube Baffle Tile in B-1B Htr, Un 33 Crude
(C) - Install New Fire Stop & Remove Existing Brick Wall for Drainage
(D) - Install Improved Fire Stop
(E) - Install New Fire Stop - D St.
(F) - Install Improved Fire Stop & Relocate Walkway
(G) - Replace Refractory Lining in B-103 Incinerator Stack - U--138 Sulphur Plant

UNION OIL COMPANY (contd.)

8240 - (contd.).
(H) - Brick up & Plaster Holes in D-2 @ U--101 Tower Skirt Fireproofing Paint Lines near D-2 & V-1.
(I) - Replace Refractory Lining in B--101 - Unit 86
(J) - Rebrick Area after Old Pump Base is Removed-LAR1682
(K) - Repair LPD Rundown Line E. of Control House U-20
(L) - Install Refractory in Holding Ring of B-101-Unit#138
(M) - Repair Damaged Ref. in B-101 Htr at Unit #138
(N) - Replace Refractory Hold Ring in Aux Burner D-102
(O) - Remove & Replace Brick & Haul Material to BB Steam Superheater - Unit 33, "B" Crkg.
(P) - Replace Old Jacketed Line with Traced Line - D St.
(Q) - Repair 2" Fire Water Line to Lab. Bldg.
(R) - Install Door in S. Wall of U-25, -26, -27 Control House
(S) - Replace Section of Leaky Line on Press. Tap Line from H.P. Steam Drum to Control House
(T) - Repair Eyebolts & Brickwork in B-3B Heater
(U) - Remove Old Ref. from Header Compartments in B-3B Htr and Install Wire
(V) - Remove Old Ref. from Header Compartments in B-2B Htr
(W) - Repair Refractory on B-3B Heater Floor
(X) - Replace Brick in Walls of FH #1 & Pipe Trench
(Y) - Rpr Fire Wall in East-West Pipe Trench
(Z) - Renew 24" Suction Line

8270 - See Burke & Reynolds Construction Co. Wilmington - Repair Fire Wall

8271 - Wilmington - Repair Brickwork on #5 Blr, Plant #2
(A) - Repair Fire Stops - P. H. #1
(B) - Replace Brick & Repr Refrac Lining in Reversion Htr Stack & Flue
(C) - Rpr Refrac on Doors & Header Boxes-B-2 Reversion Htr
(D) - Rpr Brickwork in B-2 Reversion Htr, Unit #20
(F) - Replace Refrac inside of Tube Sheet, Unit 91 Heater
(E) - Replace Brick at Spool P34S, Unit #20
(G) - Install an Improved Fire Stop
(H) - Remove & Replace Baffle Tile for Tube Inspection
(I) - Remove Loose & Burned Brick from Burner Arches
(J) - Remove Baffle Tile from #7 Boiler - Plant #1
(K) - Remove Brick Skirt on F-3 Vessel
(L) - Remove Bricks for Insp. of Line P-32
(M) - Shape & Renew Furnace Floor in Blr #7, B.P. #1
(N) - Rebuild G2 Pump Base & Seal around Classifier Floor

UNION OIL COMPANY (contd.)

8271 - (contd.)
(O) - Replace Acid Brick Paving around G3 Pumps & Fuller Airveyor Equipment
(P) - Rpr Acid Brick Cover Below Centrifuge Dryer #1933
(Q) - Remove Baffle Tile on D-3 Heater for Tube Cleaning
(R) - Rpr Fuller Airveyor Blower Acid Brick Base -U-137
(S) - Replace Baffle Tile in Boiler #4 At Plant #1
(T) - Work per Subsequent Job Orders at U-135
(U) - Replace Line in Old Airblown Asphalt Rundown
(V) - Replace Target Wall after Insp. in D-3 Htr-U-91
(W) - Replace Broken & Deteriorated Tube Baffle Tile in D-3 Htr - U-91
(X) - Repair Fire Stops of P.H. #1
(Y) - Install an Improved Fire Stop
(Z) - Rpr Brick Wall around Acid Storage Tank-Feed Water Treaters

8290 - **See The Fluor Corporation, Ltd.**
Oleum - Fabricate One Hot-Gas Bypass Valve

8302 - Wilmington -Repair Tank No. 204
(A) - Install Improved Fire Stop on D. St. No. Side
(B) - Install Improved Fire Stop on D St. So. Side
(C) - Rpr Sewer Box at Base of D402 & Chck open Sewer Line
(D) - Remove to Salv. Tk. 74 LR Line At PH #1
(E) - Rpr Brkwrk on Fire Wall in E.W. Pipe Trench
(F) - Relocate 1" Flushing Oil Line to Exchanger #248
(G) - Remove Pipelines to Salvage - Block 33
(H) - Install Brk Veneer & Paint Steel on New Guard House
(I) - Brkwrk in Htrs & Radiant Tubes
(J) - E.W. Pipe Trench from Wall to Wall Tanks 51 to Tank 73
(K) - Remove to Salvage all Loose Piping in Blk 33
(L) - Remove to Salvage Tk. 34 LR Line, So of PH #1
(M) - Remove to Salv. Old 3" Stab. Line-Tank 277
(N) - Rpr Brkwrk on #6 Boiler
(O) - Close Openings in Fire Wall in E.-W. Pipe Trench between Towers
(P) - Rpr FDtn. & Accessory Drain Piping for Acid Sludge Pump LAR100
(Q) - Renew Sec. of 4" lit PD Line on So. side of B St.
(R) - Remove Dead Piping on C St.
(S) - Improve Drainage at G1 Pump Bases of U-137
(T) - Remove 2" Caustic Line in Agitator Area
(U) - Improve Drainage at G9, Pump Bases at U-137
(V) - Replace approx 275 ft. Line bet Pump House #1&Tk #57
(W) - Remove Dead Lines to Salvage on C St.
(X) - Repair Brick Wall on Line T21, Unit 20
(Y) - Replace 4" Piping in Tk. #243; & 6" Line with 6" on D St.
(Z) - Rpr Brkwrk at Gas Burners Blr #1, Plt. #2

8330 - Wilmington - Replace Bricks on Wall at Refinery
(A) - Remove to Salvage U-93 Feed Line - PH #1
(B) - Repair Fire Walls in Block #33
(C) - Rpr Eyebolts & other Brkwrk in B-2A Htr-U33 Crkg
(D) - Remove Old Brk & Rpr B1b Vac. Htr. Floor & South End Wall - Unit 33
(E) - Rpr all Brkwrk in B1b Crude Htr & Lining in Flue & Stack - Unit 33
(F) - Repair firestops along "C" Street
(G) - Rpr Plaster Wall - U135, Edel Plt.
(H) - Dismantle PH #3, Clear & Level Area; Oil & Gravel Surface at Rd. 9 and C St.
(I) - Install Bedplate & Frame for Acid P-1540 & Rpr Pump
(J) - Lay Acid Brk-U-137 Ammo Sulfate
(K) - Rpr Eyebolts & Other Brkwrk in B2B & B3B Htrs-U33
(L) - Renew Refract. on U&S Explosion Doors in Vis-breaker Htg. Sections -U33 "B" Crkg.
(M) - Rpr all Htr Brkwrk in B1a Crude Htr & Flue & Stack
(N) - Provide Overflow to Sewer at Top of Sump-Unit 137
(O) - Remove Pipeline - Blk #56
(P) - Repair Fire Stops in Pipe Trenches
(Q) - Minor Brkwrk Rprs to Boilers #1, & #2, BP #1
(R) - Install 1" Drain Line, S. Blow-down Area
(S) - Inspect & Rpr Steamout Lines to CLEF Htrs, B-201 & B201 at Unit 153
(T) - Replace Broken Burner Tile in B-101 Htr, U-25
(U) - Pack Voids in Brkwrk around Tube Guides; Replace Broken Burner Throat
(V) - Repair Brickwork on B-1 Htr
(W) - Replace Wall Removed for Pipe Installation
(X) - Remove Pipes to Salvage
(Y) - Rpr Lining in Reersion Htr, Flue & Stack; Rpr Tube Hanger Bolts & Replace Brk & Insul of Tube Sheets
(Z) - Rebrick Ckr Vaporizer Walls after Tube Supports are installed & Insulation of Tube Sheets

8343 - Wilmington-Construct One Fume Burner & Stack

8381 - Wilmington - Install an Improved Fire Stop
(A) - Install an Improved Fire Stop
(B) - Remove Ref Lining From Zones 3, 4, & 7; Prepare for Welders
(C) - Rpr Brkwrk in Fireboxes, Plenum Chambers; Htr Flue & Stack, Unit 151
(D) - Install Thermowell & Coupling in Cracker of E.&W. Vaporizer-TCC
(E) - Rpr Refractory in Crk Superheater
(F) - Remove & Rpr Refract in Zone 10 of BB-1 Kiln
(G) - Repair BB-1 Refractory - TCC Crk
(H) - Replace Refrac in Cover Boxes, Zones 1, 2, 3, 5, 7, 8

UNION OIL COMPANY OF CALIFORNIA (contd.)

(I) - Relocate Fire Blk. Valve & Replace Short Sec. of Line, PH #1
(J) - Rpr Brkwrk & Steel Cover on Sewer Box 120
(K) - Install an Improved Fire Stop "E" St.
(L) - Remove & Replace Brkwrk to Replace upper SW & NW Soot Blower Element on Blr #8, Plt #1
(M) - Drill Holes or Remove Refractory for Installing Thermocouples in E. & W. Vaporizers - U-151
(N) -
(O) - Rpr Refrac in BB-101, Zones1, 3, 5, 7-U-151 TCC
(P) - Rpr Refrac Lining in Treater Htr, Flue & Stack; Fireboxes & Plenum Chambers U-151
(Q) - Rpr Broken East Wall Arch, Blr #8, Plant #1
(R) - Rpr Refrac in BB-101 Kiln - TCC Treater
(S) - Regunite Furnascotton Target Wall; & Remove Burner Wall; Blr #2, Plt #2
(T) - Replace Al2 Line at Tank 280 by U-86
(U) - Apply Insulating Mat to Reactor Riser Lateral
(V) - Install Cement Lining Two Catalyst Nozzle Sleeve Liners - U-152, FCC
(W) - Repair #2 Boiler in Boiler Plant #2
(X) - Rpr Brk Firewalls in Pipe Trench on "F" St.
(Y) - Drill Holes for 1½" Couplings for Thermowells in B-1 Htr & B-2 Fume Burner & for Electrodes in Htr
(Z) - Apply Insulation to First Half of Reactor Riser Y Line - U-152 TCC

8432 - Wilmington - Reline 4 Sec. Reactor Line at F.C.C.
(A) - Haul Mat & Equip; & Apply Litecrete around Shell of BB-601 Regen - U152, FCC
(B) - Plug off Pipe Sleeves Blr 65 & 66, Rd. 12
(C) - Rpr Lining in Peabody Htr - U-152, FCC
(D) - Apply Refrac to Distributor Heads in FCC Reactor
(E) - Rpr Acid-proof Cement at Welded Joint of Reactor Riser Lateral
(F) - Rpr Damaged Refrac in Reactor Riser Line P666
(G) - Install Raised Floor with Tile Cover-Toilet at U-1
(H) - Replace Leaking Steam Line with Steam Traced Line
(I) - Rpr Fire Stops throughout Refinery
(J) - Rpr 1½" Slops Line - Unit 33 "A" Cracker
(K) - Remove to Salvage 3" C-1 Pipe Line - PH #1
(L) - Patch up Several Holes in Brick Wall - PH #1
(M) - Enlarge Machine Shop Office
(N) - Repair Fire Wall, 8th and "E" St.
(O) - Plug off Two Pipe Sleeves on "D" St. to Tank Blk53
(P) - Rpr Brkwrk on Blr #3, Plant #2

UNION OIL COMPANY OF CALIFORNIA (contd.)

8432 - (contd.)
(Q) - Remove Tube Baffle Tile & Old Roof - Spray Insulation to Renew Roof Refractory in B1b Htr
(R) - Relocate the Fire Block Valve @ P.H. #1
(S) - Rprs to B-2A and B-3A Plenum Chambers & Heaters
(T) - Replace Pipeline, "D" St., Res. 11
(U) - Replace Pipeline, Res. 11 & "D" St.
(V) - Replace 6" Steam Drips Line on "C" St.
(W) - Remove Section of Brick Wall - U-33
(X) - Renew Floor in B1a E&W Crude Heater Firebores
(Y) - Fire Wall Repairs in Trench on "C" Street
(Z) - Repair Fire Blocks in Fire Trenches throughout Refinery

8436 - See The Fluor Corporation, Ltd.. Wilmington - Labor only to Install Refractories and Insulation in One (1) Petro-Chem Heater #B4

8485 - Wilmington - **Remove 4" Spool, Open on both Ends "F" St. at Res. 11**
(A) - Clean & Re-lay Floor Brick in LGO Soaking Sec.
(B) - Brkwrk Rprs in B-2B & B-3B Heaters
(C) - Remove Old Brk & Rebrick Lower N. End Wall in Ref. Soaking Section
(D) - Clean Gas Burner #32, B1AE Crude Htr So. Side, Unit 3
(E) - Repair the Blk. 63, 12" Line - PH #1 to 12th St.
(F) - Repair O-12 Line from PH #1 to Rd. 12
(G) - Rpr Brk Wall at Driveways East of Control Room
(H) - Repair Brickwork on #5 Boiler
(I) - Rpr Refrac Lining in Reversion Htr Stack & Flue
(J) - Repair all U-34 Heater Brickwork
(K) - Replace Brick on Skirt of D-101 S/C Accumulator
(L) - Remove to Salvage 3" Lines from Old Asphalt Stills, 10th and "D" Sts., P. H. #1
(M) - Remove and Replace Refrac Neces to Install New Hangers in B-101 Htr
(N) - Remove to Salvage Blown Line, "D" St.-Rd 3 to Rd 10
(O) - Remove to Salvage Old Air Blown Line from P.H. #1
(P) - Relocate the 3" OAB Line - P. H. #1
(Q) - Remove Feed Line to Salvage - Rd 10 Asphalt Stills
(R) - Remove Piping to Salvage - Res. 9 @ Blk 33
(S) - Work to Drill Tubes & Replace as Neces in Steam Superheater at Unit #33
(T) - Unit #138 - Isolate, Check & Test First Stage conv. and Second Stage Condenser; Replace 16" Line between the Two Vessels at U #137

(contd.)

8485 - (contd.)
(U) - Replace 3" Spool-Welded Flanges-Es North of P.H.#1
(V) - Plug up Air Leaks in #1 and #2 Heaters at U #67
(W) - Replace & Relocate "D" St. Section of the 4" Kero Line
(X) - Repair Leak in #2 Heater Coil at U#67
(Y) - Inspect & Repair as neces. Burner Refractory Cones, B-101 Htr, U-25
(Z) - Repair as neces. Burner Refractory Cones, B-201 Heater

8555 - Wilmington - Brickwork as required in D-5 and D-6 Htrs. - Unit 91
(A) - Rpr Burner Refractory Cones, B-1 Htrs, U-27
(B) - Remove to Salvage P. 231 & all Manifold Piping Remove Pump Base, PH #1
(C) - Remove to Salvage P.50 and all Manifold Piping Remove Pump Base, PH #1
(D) - Remove to Salvage P.197 and all Manifold Piping Remove Pump Base, PH #1
(E) - Replace Suction & Discharge Lines with Salvaged Jet Line, Agitator on Pump 690
(F) - Unplug Sewer Line Running under Sludge Acid Pumps at Unit 86
(G) - Remove & Re-lay Floor Brick in E. Firebox of Superheater at TCC Cracker, U-151
(H) - Rpr Minor Brickwork in Blrs. 3 & 4, Plant #1
(I) - Rpr Brickwork in Fireboxes & Plenum Chambers; Linings in Htr Flue & Stack TCC Cracker
(J) - Rpr Refractory in Zones 1,5,6, & 9-Unit 151
(K) - Re-lay Floor in N. End of E. Evaporator after Rprs
(L) - Rpr Brkwrk in Airline Burner - TCC Cracker
(M) - Rpr Brkwrk Damaged in Repairing Coils A,B,C, & D in Zone 10 Crkr Kiln
(N) - Rpr Insul at Header Boxes, Zones 1 thru 10K
(O) - Replace Neces Tubes in Htr C Asph L.R. & Repair Valve
(P) - Repair Pump Base - Pump #637 at Agits
(Q) - Install Refrac in Kiln Zones 2,4,6,8, & 9
(R) - Replace 2" Acid Line between "F" St. & East Side of U-135
(S) - Repair Refrac Lining in Trtr Htr Flue & Stack
(T) - Remove & Relay Strip of Flooring at N End of E. & W. Vaporizers - TCC Trtr
(U) - Relay Floor in E. & W. Superheater Fireboxes Make Access for Inspection of So. Hearth Plates & Floor Supports in W. Superheater

(contd.)

UNION OIL COMPANY OF CALIFORNIA (contd.)

8555 - (contd.)
(V) - Repair Bulged North End Wall & End Plate on W. Superheater - TCC Trtr
(W) - Insulate Steam Line at New Spent Plumbite Facilities
(X) - Relocate the 76 L.R. Line to Tk. 52 in Block 33
(Y) - Relocate the 75 L.R. Line to Tk. 51 in Block 33
(Z) - Install 2" Drain Line to N. Blowdown Line, Rd 10& DSt

8584 - Wilmington --Remove Baffle Tile from Blr #7, Plant #1
(A) - Isolate Fuel Gas Line from Asphalt Stills & Replace approx. 70 ft.
(B) - Rpr Mercaptan Line Leak at Rd. 10 Trench -U110D
(C) - Clean Instruments, Lines & Paneling, Unit 33 B Crude
(D) - Rpr Brk Firewall in Tench E. of Control House
(E) - Rpr Eyebolts; & Brkwrk in B-3A Plenum Chamber & Radiant Sec. U-33 "A$\frac{1}{4}$ Crkg.
(F) - Remove Old Brk from Ledge to Floor of HGO Soaking Sec.
(G) - Brick in Pipe Culvert at Road "B" & Block 21 Manifold
(H) - Remove Obsolete Butane Line - Unit 33 Crude
(I) - Replace 4" Kero Line with Welded Salvage Line
(J) - Rpr Base of Pump #638 in Lower Agitator Area
(K) - Pave with Acid Brick under F9 and Against Control House - U-137
(L) - Repair Brickwork in #4 Boiler, BP #2
(M) - Brkwrk Rprs. in B-2B & B-3B Htrs. - U-33 "B" Crkg.
(N) - Install 3 rows of Bricks in "B" HGO Htr.-U-33 Crkg.
(O) - Replace Sec. of 6" Cond. Line - Rd 10 & D St.
(P) - Replace 4" Tee on Condensate Line
(Q) - Prepare Firestop for Replacing P-71 Line
(R) - Salvage Old Fuel Gas Line from #1 Blr. Plt. to Asphalt Still; & Trench Line
(S) - Replace Insul. Block as Required, B-1 Htr.
(T) - Brickwork Repairs in Rev. Htr. Flue & Stack
(U) - Restack 2 rows of Brick in Poly Htr. B-1, U-20
(V) - Remove Baffle Tile from Both Heaters -u-67; Repair Heater Tube Tile
(W) - Repair Cracks in Walls of #1 & #2 Heaters
(X) - Replace Toilet Flushing Facility in Men's Lavatory
(Y) - Rpr. Internal Leak & Inspect Tubes in Blr. at B.P. #1
(Z) - Inspect & Rpr. as needed Pipe Trench Fire Blocks throughout Refinery

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UNION OIL COMPANY OF CALIFORNIA (contd.)

8650 - Wilmington - Rebrick Fire Stop, D St. Pipe Trench
(A) - Remove to Salvage Pump 1135 & Manifold Piping
(B) - Make Minor Brkwrk. Repairs in Blr. #5, BP #2
(C) - Repairs on Foundation of Acid Pump #2004, BP #1
(D) - Repair Plaster in Office at U-135, Ed Plant
(E) - Replace Brick in Fire Wall, Alkylation U-110A
(F) - Remove to Salvage Dead U33-D1 - #2 SC Line on Rd.8
(G) - Make Roof Repairs at Boiler #6, Plant #1
(H) - Minor Brickwork Repairs on Boiler #6, Plant #1
(I) - Replace Firewall Brick, Rd. 3 & "D"
(J) - Install Acid Brick North of Sump, U-137
(K) - Install Brk. Firebreaks in Feed Line Trenches to B1A & B1B Htrs, Unit 33 Crude
(L) - Rpr. Cement Paving at So. Side of Acid Pump #635
(M) - Install a Skin Tube Coupling on Tube in Heater B1
(N) - Rpr. Brickwork at Gas Burners of Blr. #1, Plt. #2
(O) - Provide 24x24" Sewer Box at Unit 86
(P) - Remove for Salvage Old D-1 & D-3 Fuel Gas Lines, Valves & Instruments, & U-91
(Q) - Remove to Salvage Old 54 6" P.H. Line from P.H. 1
(R) - Modernize & Re-route 6" Slops Line around Block 33
(S) - Repair Spalled Lintels - Unit 33
(T) - Re-lay Brick Floor in HGO Heating Sec., Unit 33
(U) - Repair Brkwrk. in B-2A and B-3A Heaters, Unit 33
(V) - Repair Spalled Lintel and Refractory Lining, Unit33
(W) - Repair Refrac. Lining in Stack and Flue of B-2A and B-3A Heaters - U-33
(X) - Repair Refrac. Lining in B-1B Heater Flue, stack and Plenum
(Y) - Relay Three (3) Floors and Replace Two (2) Lintels
(Z) - Remove to Salvate 12" G.R. Line, P.H. 1

8658 - See John Zink Company
Wilmington - Supply Materials only for Air Heater Lining

8704 - Wilmington - Modernize Pipeline, P.H.#1, Res. 11
(A) - Relocate Pipeline from U-67 to U-91; 10th & D St.
(B) - Construct Relocated Firestop and Catch Basis Red. 12 & E St.
(C) - Remove Insul. to Magnaflux Longitudinal Joints & Steam Drum Heads on Blrs 1 and 2
(D) - Boilers #1 & #2 - Minor Brickwork Repairs - BP1
(E) - Brickwork Repairs in B-2B and B-3B Heaters U-33, "B" crkg.
(F) - Stack & Flue Lining Repairs in B-2B Htrs - U-33
(G) - Replace Depreciated 3" Sludge Line & Reroute

(contd.)

UNION OIL COMPANY OF CALIFORNIA (contd.)

8704 - (contd.)
(H) - Training on Fire Fighting
(I) - Fabricate and Install 3" Steam Traced Line at Asphalt Loading Rack
(J) - Reline Explosion Door, U-33
(K) - Reline Door on Roof Tube Header Compartment, HGO Soaking Sec., U-33
(L) - Repair Refrac. Lining in B-1A Heater Flue and Stack; & Plenum Tile - U-33
(M) - Re-lay Brick Floor in B-1A Vac. Coil Firebox, U-33
(N) - Repair Brick Wall & Steel Post Damaged by Truck
(O) - Fill Hole in Wall and Floor of Elec. Room in Agitator Area, Unit 84
(P) - Make Provision for Installation of Flue Gas Analyzer on B-1 & B-101 Htrs. U-25 & 27
(Q) - Replace Tile in Burner & Refrac. in Burner Rings of B-101 Htr.
(R) - Inspect & Repair Fire Stops in Pipe Trenches throughout Refinery
(S) - Install Refrac. in B-1 Htr. Burner Rings
(T) - Repair Sink Leak in Wash Room - U-86
(U) - Rebrick Fire Stop N.W. Corner P.H. #1
(V) - Salvage 20# Air Vessel, Reducing Valve, & Piping from Air Compressor Plant
(W) - Repair Ceilings in Electric Control and Locker Rooms
(X) - Repair Fire Walls on C Street
(Y) - Drill Holes in U-26
(Z) - Rpr. Refrac. Packing around Burners of B-201 Htr.

8723 - See The Stearns-Roger Manufacturing Co.
Grand Valley, Colorado - Shale Oil Plant
Design and Construct One (1) Waste Gas Incinerator

8742 - Wilmington - Repair Drain on Concentrated Acid Pump #1635
(A) - Remove Bad Refractory & Rpr. in Zones 1, 2, 3, 4 & 6 of U-151 Treater
(B) - Rpr. Lining in Trt. Htr. Flue & Stack - U151 Treater
(C) - Remove & Replace Lining for Flue on W. Side Trt. Htrs
(D) - Remove & Replace Nec. Refrac. from D-101 Htr. to Install New Hangers
(E) - Repair Refrac. in Top of Zones 4 & 6
(F) - Replace Broken T-bar Support Brackets in Zones 3 & 4; Rechink bottom of Zone 10
(G) - Repair Refractory in Zone 7
(H) - Repair Brickwork in Boiler #8
(I) - Repair First Pass of Brickwork in Gass Passage, Blr. #8, Plant #1

(contd.)

UNION OIL CO. OF CALIFORNIA (contd.)

8742 - (contd.)
(J) - Repair Insulation on doors of Zone 7
(K) - Repair Refrac. after Tube Replacement in Zone 10
(L) - Baffle Repairs in First Pass of Boiler #8
(M) - Repair Walls, R.E.I. Misc.
(N) - Kiln Repairs, Zone 10
(O) - Repair Refrac. in Htr. Flue & Stack; Fireboxes & Plenum Chambers
(P) - Remove Damaged Refrac. & Repair in Zones 2,4, 5, 7, 8, & 9 of TCC Crkr Kiln
(Q) - Replace 40 Tubes in Crk. Kiln
(R) - Repair Top of Zone #8 Crk. Kiln
(S) - Repair Refractories on Doors of Crk. Kiln
(T) - Repair Refrac. Damaged While Installing New Tube Sheets in Kiln, Zone 9
(U) - Remove to Salvage Old U26 Resid. Prod. Line
(V) - Plug off Line Sleeves thru No. End of Tank
(W) - Repair Refractories in B-201 & B-202 Heaters
(X) - Repair Refrac. in Cone Section of Regenerator
(Y) - Remove Lining & Deliver Mat. for Plenum Chamber Repair in Regenerator
(Z) - Patch Inside of Incinerator Shell

8788 - Wilmington - Rpr. Refrac. of Aux. H2S Furnace, B-102; and in B-101 Steam Generator, H2S Furnace
(A) - Rpr. Refrac. Lining in Peabody Heater
(B) - Rpr. Refrac. on Cat. Riser Line P-666 & Cat. Outlet Line P-664
(C) - Install Acid Resistant Refrac. in Reactor Catalyst Outlet Nozzle
(D) - Rpr. Refrac. Where Nozzles were Renewedin Line P-665
(E) - Replace Insulation Inside of N. Head Area of H2S Furnace
(F) - Repair Refrac. in H2S Furnace
(G) - Replace Refrac. in Reactor Riser Line
(H) - Install Fireproofing on Skirt Section of D-701 Tur.
(I) - Fireproof Legs on Aluminum Pot, D-402 System
(J) - Repair Wall Tile in Cont. Rm. of U-110 B
(K) - Rpr. Fire Stops in Pipe Trenches throughout Refin.
(L) - Rpr. #2 Blr. Brkwrk. at Gas Burners
(M) - Remove & Replace Brick for Tube Removal Blr. #2
(N) - Relocate Drinking Fountain at Blacksmith Shop
(O) - Install 3" Caustic Line, Agit. Area
(P) - Blank #3 Blr. at #2 Blr. Plant; Clean Scale on Water Sides & Internal Fitting
(Q) - Unplug and Rpr. Sewer at Sludge Pumps 1688-1689
(R) - Relocate the Trench Drain and Fire Stop,9th & C St

(contd.)

UNION OIL COMPANY OF CALIFORNIA (contd.)

8788 - (contd.)
(S) - Remove & Replace Brkwrk. to Install Supports Under D-6A and D-7A TWR Unit #33
(T) - Install Reinforcing Wire on one Support Under Visbreaker Htr. to be Covered with Gunite under B2A Conv. Sec. (4 supports)
(U) - Rpr. Eyebolts & Brkwrk in B2A Htr. on Plenum Chamber
(V) - Rpr. Refractory Lining in Stack & Flue of B3A Htrs.
(W) - Rpr. Refrac. Lining in Htr., Flue & Stack
(X) - Relocate & Rpr. A8 Line, 7th & C St.
(Y) - Repair Heater at Asphalt Loading Rack
(Z) - Install Brick Wall at Asphalt Loading Rack

8795 - See C. R. Butterfield Company

8838 - See C. C. Moore & Co. Engineers
Wilmington - Refractories & Insulation for New FH Superheater in One (1) B&W F-22 AE14 Boiler
(X) - Furnish Castable Refractory for Baffles
(A) - Remodel Castable Refractory Baffles
(B) - Do Neces. Work to Clean Inside of Steam Superheater Tubes
(C) - Provide Screened Ceiling Opening over Lab. Bench in U-138, Control House
(D) - Repair Brickwork in Heaters B2B and B3B
(E) - Rpr. Refrac. Lining in Flue of B3B Htr.
(F) - Install Wire on Two (2) Supports under Visbreaker Htr.
(G) - Repair Brickwork in Heater B1A
(H) - Repair Refrac. in B1A Vacuum Coil Where New Hangers were Installed
(I) - Repair #3 Boiler Brickwork B.P. #2
(J) - Renew Insul. in First Pass Wall of Boiler #3
(K) - Patch Roof of Control Room
(L) - Make Minor Brickwork Repairs to Boiler #5
(M) - Repair Fire Stops in Pipe Trenches Throughout Refinery
(N) - Repair Acid Brick and Reseal Flashing around Base of Centrifugal Dryer
(O) - Unplug Sewer East of Sludge Pumps #1688 & #1689 in Pipe Trench at U-86.
(P) - Construct New Boiler Shop Office
(Q) - Replace Brick after Inspection & Repairing Tube Hanger Bolts
(R) - Remove Refrac. at Each End & Replace Roof Tile on D1 & D3 Heaters
(S) - Renew North Wall Refractory & Burner Plates of D3 Heaters

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UNION OIL COMPANY OF CALIFORNIA (contd.)

8853 - (contd.)
(T) - Renew South Wall Refractory including Burner Throats of D1 Heater
(U) - Reline Flue and Lower 10 ft. of the D1 and D3 Heater Stack
(V) - Repair Explosion Doors in Unit #91 Htrs D1 and D3
(W) - Remove to Salvage U-67, #1 Pipeline
(X) - Patch Holes in Fire Wall at Spool, B.P. #116 Line
(Y) - Repair Plaster in Tool and Electric Switch Room
(Z) - Repair Fire Walls in Pipe Trenches

8904 - Wilmington - Repair Plugged Sewers at U-86
(A) - Repair Ceiling in Switch Room - Unit #135
(B) - Repair Fire Stops in Pipe Trenches throughout Refinery
(C) - Install 2" Feed Bypass, U-135
(D) - Rearrange 3" Filling Line to Existing 3" Nozzle
(E) - " " " " " " "
(F) - Repair Burner Refractory Cones in B-201 Htr.
(G) - Inspect & Repair Burner Refrac. Cones B-101 Htr.
(H) - Inspect & Repair Burner Refrac. Cones B-1 Htr.
(I) - Make Opening in East Wall for Passageway at Unit135
(J) - Repair Leaks around Coil Inlets & Outlets on Trt. Kiln, 4th floor, at U-151
(K) - Reinforce Ceiling & Paint Office at U-135
(L) - Repair Minor Brkwrk in Blr. #3 and #4
(M) - Repairs to East & West Superheaters, Crk. 151/153; D203, D-204
(N) - Repair Refractory in Convection Sec. Header Box
(O) - Remove & Replace Refrac. in Zones 3, 4, 6 - Crk. 151/153; D-203, D-204
(P) - Remove Baffle Tile from Boilers #3 & #4 in Boiler Plant
(Q) - Rpr. Brkwrk. in Fireboxes & Plenum Chambers, Crk. 151/153; D203, D204
(R) - Patch Holes in Brkwrk. in Crkr. Kiln-Crk.151/153; D-203, D-204
(S) - Repair Refrac. Lining in Crk. Kiln BBl-Crk. 151/153; D203, D204
(T) - Rpr. Refrac. around Header Boxes & Door Sheets, Zones 7 & 8; Crk. 151/153
(U) - Rpr. Refrac. around Tube Skin Couples in Crk. Htr. Crk 151/153
(V) - Rpr. Refrac. around Tube Skin Couples in Crk. Htr. Crk 151/153
(W) - Repair Floor Lining in E-10 Cooling Box, Crkr. #1
(X) - Blank, Open, Test Tubes on Asphalt Htr. at Asphalt Ldg. Rack.
(Y) - Rpr. Brkwrk. in Boiler #41, B.P. #2
(Z) - Replace Refrac. in Zones #2 and #6 of Kiln, Trt #151

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UNION OIL CO. OF CALIFORNIA

8940 - Wilmington - Repair Brickwork in Fireboxes and Plenum Chambers; U-151 Trtr./TCC.

(A) - Patch Holes in Brikwork in Trt. Kiln -U-151
(B) - Rpr. Refrac. around Waste-gas Burner Sleeve in B-102 East Superheater
(C) - Rpr. Refrac. in Trtr. Kiln, U-151
(D) - Rpr. Refrac. around Tube Skin Couples in Trtr. Htr.
(E) - Rpr. Refrac. around Tube Skin Couples in Trtr. Htr.
(F) - Inspect & Rpr. Refrac. Lining in Flue of B2A Htr.
(G) - Misc. Repairs to B2A and B3A Htrs.
(H) - Move Baffle Tile to Allow Access to Soot Blower Bearings - Blr.
(I) - Repair Roof at Front of Boiler to Prevent Flue Gas Leakage, Blr. #7
(J) - Repair Flood Gate Control and Hole in Wall
(K) - Install Acid Brick Under South Side of F4-1
(L) - Remove and Repair Brick from Sleeves in Skirt of D9 Twr. for Nozzle Rpr.
(M) - Repair Tube Leaks at Junction Boxes at Asph. Loading Rack
(N) - Repairs in Control Room - Unit 110-A
(O) - Remove and Replace Refrac. Lining in B2B Header Box Compartment
(P) - Remove and Replace Refrac. in B3B Heater Header Box Compartments
(Q) - Misc. Repairs to B2B and B3B Heaters
(R) - Repair Refrac. Linings in Stack & Flue of B2B and B3
(S) - Repair Brickwork at Base of F2 and F4 Drums, Clean & Paint Brickwork 33-Crude
(T) - Replace Cast Iron Fittings and Valves in H.P. Water System
(U) - Repair Refrac. Lining in Rev. Htr. Stack and Flue
(V) -Remove Brick to Repair Line P-27 RerunReflux Drum Bolts
(W) - Repair Broken Brick in Bottom Stop of Stairs
(X) -.Repair Firestops, Refinery Wide.
(Y) - Brick up Holes in Fire Wall, Blk #22
(Z) - Remove Concrete to Insp. Line, Unit #82

9022 - Wilmington - Repair Brickwork around Gas Burners & Boiler Brickwork.

(A) - Repair Crack in Heater Fire Wall
(B) - Remove Brick Wall around Unit #67 & Rpr. Wall in Pipe Trench
(C) - Remove Brick Wall around Tks. 244, 269, 270, 274 at Unit 91
(D) - Repair Storm Drain Control Wall

(contd.)

UNION OIL CO. OF CALIFORNIA (contd.)

9022 - (contd.)
(E) - Minor Brickwork Repairs to Boiler #6
(F) - Relocate Hot Water Line in Control Room at Unit86
(G) - Reconnect #151 PA Line into PC-275 Blk. 24
(H) - Revise the Planning Office
(I) - Re-pave Area around Pump #597 with Acid Brick at Unit #110-A
(J) - Attend Safety Meeting
(K) - Repair Base of Pump #511
(L) - Salvage out old P.H. Line from Tanks 139-140
(M) - Install Two Improved Fire Stops at "C" St.
(O) - Remove & Repair Brickwork Removed to Install Supports on Lines in Crk. Area
(N) - Overhead B-1 Heater at Unit #114
(P) - Relocate Underground Sections of Water Lines at Asph. Loading Rach Walkway
(Q) - Brkwrk. & Eyebolt Repairs in B2A & B3A Htrs.
(R) - Rpr. Refrac. Lining Stack and Flue of B3A Htrs.
(S) - Brkwrk. Rprs. in Heater #33, B1B Crude
(T) - Install Welded Coil in Asphalt Loading Rach Htr.
(U) - Repair Heater at Asph. Rack as neces.
(V) - Brkwrk. Repairs to Blrs. #1 and #2
(W) - Install Acid-Proof Brick, Unit #137
(X) - Rpr. Ceiling near Grease Vent above Kitchen Grill, Unit #152FCC
(Y) - Brkwrk. Repairs in B2B and B3B Heaters
(Z) - Remove Damaged Refractory and Install Wire to Install Refractory on West Wall Tube Header Box North End of Reformer Htr.

9075 - See C. F. Braun & Co.
Wilmington - Unifiner Platormer - Linings for Two (2) Braun Fired Heaters B-101 & B-102
(A) - Fireproofing of Vessel Skirts
9083 - See C. F. Braun & Co.
Wilmington - Linings for Petrochem Heaters B-103 and B-201

9108 - Wilmington - Repair Refrac. Lining in Stack and Flue of B3B Htr., 33B Crkg.
(A) - Rpr. Plenum Tile & Brkwrk in Htrs; #33 B1A Crude
(B) - Repack all Header Packing Boxes on TCC Cracker Kiln
(C) - Repair Brick Wall on East Side of Road #10 at East-West Pipeway
(D) - Repair Brickwork at Gas Burners, Blr. #1

UNION OIL CO. OF CALIFORNIA

9108 - (contd.)
(E) - Repair Brickwork Boiler #1, B.P. #2
(F) - Repair Burner Tile in Unit #27
(G) - Repair Insulation of D1 Tower by Banding at U-110A
(H) - Install 4" to 6" Connection, Tks. 153 & 154 at U-91
(I) - Repair Pipe Trench Fire Stops Refinery Wide
(J) - Remove to Salvage the Old 6" Agit. Sludge
(K) - Chemically Clean Tubes #33-B Side, Unit #33
(L) - Regrout Top of Bricks, Base of Tower D-2-Unit #84
(M) - Salvage Out the Old Suction and Discharge Pump #278 Manifold - PH #1
(N) - Repair Brickwork, Boiler #8, BP #1
(O) - Replace Top Burner Throats as neces. & Brick at Stack Arches
(P) - Support Lines in "B" Cracking Area-U-33 Cracking
(Q) - Replace as neces. Sec. of 2" Condensate Return Line in Rd. 12
(R) - Install Press. Control Valve and Bypass in 4" Ind. Water Line to #2 B.P.
(S) - Install 3" Water Connections to #1 East and #3 Cooling Towers at U-91
(T) - Regrout Top of Bricks around the Base of F11 Air Receiver - Unit #84
(U) - Repair Tile in Corner at F.C.C. Board
(V) - Remove Section of Open-ended Pipe thru the Firestop at "F" St., & Repair Wall
(W) - Repair Portion of Brick Wall Removed to Open Section Line to Comp. 686
(X) - Repair Brickwork in Firebox of Boiler #4, B.P. #2
(Y) - Brick up Obsolete Sleeve Holes in Pipe Trench throughout Refinery
(Z) - Patch Firewall near Pumps G6 and G6S on Line P33 thru Wall

9165 - Wilmington - Replace Castable Refractory around Tubes at Floor Level of B-101 Htr., U-86
(A) - Repair Ref. at Replaced 2" Snuffing Steam Nozzle
(B) - Remove Samples of Lining in Reactor Riser Line Spoole - U-138; & Repair in Unit #152-FCC Install Acid-proof Cement Lining in Spare Sleeve Liners for the 36" Cat. Inlet Nozzles
(C) - Brick up Obsolete Sleeve Holes in Pipe Trenches throughout the Refinery
(D) - Repair Refrac. in B-101 Steam Generator H2S Furnace; and B-102 Aux. H2S Furnace
(E) - Repair brickwork around Gas Burners in Boiler #2
(F) - Insulate Inside Line P5 Swage at Aux. Burner

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UNION OIL CO. OF CALIFORNIA (contd.)

9165 - (contd.)
(G) - Remove & Replace Brickwork for Removal of Tubes 13 & 14, Boiler #2, B.P. #2
(H) - Repair Regenerator BB-601 Refrac. as neces. Unit #152, FCC
(I) - Replace Acid-proof Cement Lining in Spare Reactor Riser Line
(J) - Install New Acid-proof Cement Lining in Reactor Riser Line Spools Line P-666
(K) - Replace Acid-proof Cement Lining in Catalyst Inlet Deflectors, U-152 153, & 154
(L) - Install Acid-proof Cement 38 in Flg. 54 Reactor Riser Line Charge Nozzle Units 152, 153, & 154
(M) -
(N) - Install Sections of Line to 2" Blowdown System - Unit #67
(O) - Fireproof Skirts of Vessels D-102 and F-104 with Brick at Unit 110E
(P) - Revamp Overhead Gas Heater Piping & Remove Old Gas Header in Supplies Warehouse
(Q) - Remove Brickwork to Allow Supports to be Installed in D7A Twr. Lines, 33A crkg.
(R) - On B-101 &B-102.A&B Htrs - Relocate Vent Lines & Replace 2" Sleeve with 3" Sleeve, U59-60
(S) - Misc. Rprs. to B2A & B3A Htrs, 33-A Crkg.
(T) - Rpr. Refrac. Lining in B3A Flue, 33-A Crkg.
(U) - Rpr. Refrac. Lining in B2A Flue, 33-A Crkg.
(V) - Rpr. Firestops in Pipe Trenches Refinery Wide
(W) - Make Temporary Rprs. to Treater Kiln Coils
(X) - Repair Short Section of U-33 Hay. FD Prod. Line
(Y) - Relocate 2" CO_2 Line East of Asphalt Heater
(Z) - Relocate 2" Line, Blk: 22

9227 - Wilmington - Remove 3" Prod. Line from E-vv Pipeway at U: 91
(A) - Rpr. Sewer Drain in Trench between A&D Reactors at U-110-A
(B) - Made Up and Install Piping to Divert D1 & F1 Gas to Fuel from Existing Lines
(C) - Rpr. Refrac. in B-1 Heater, TCC Cracker
(D) - Rpr. Southeast Htr. Coil in B-103 Htr., U-60
(E) - Add or Replace Packing as neces. where Kiln Coils Enter & Leave Header Box-TCC Crkr.
(F) - Remove Baffle Tile from Both Heaters - U-67
(G) - Remove Brk. Wall in #1 Htr. to Allow Replacement of Tubes - U-67
(H) - Remove Brk. Wall in #2 Htr. to Allow Replacement of Tubes - U-67

(contd.)

UNION OIL CO. OF CALIFORNIA

9227 - (contd.)
(I) - Minor Rprs. to Brkwrk. - Blr. #5, Plant #1
(J) - Rprs. to BB-1 Kiln - #151 TCC Crkr.
(K) - Install Brk. above Coils in Zones 5 & 6-#151
(L) - Remove Brk. in Air Duct above Air Line Burner for Repairs and Replace - #151, TCC Crkr.
(M) - Rpr. Insul. & Repack Header Box Ends on BB1 Kiln
(N) - Rpr. Brkwrk. in So. Side of #2 Heater - Unit #67
(O) - Rpr. Top Burner Gas Ring on #2 Blr. at #2 Blr Plant
(P) - Overhaul Compressor #686; Also Repair Bed Plate
(Q) - Rpr. Muffles in D1 and D3 Htrs. - #91
(R) - Rpr. Refrac. in Fireboxes of D1 & D3 Htrs-Unit #91
(S) - Inspect & Rpr. Burner Refrac. Cones, B1 Htr., U-27
(T) - Rpr. Burner Refrac. Cones in B-201 Htr., U-26
(U) - Inspect & Repair Burner Refractory Cones in B-101 Heater, U-25
(V) - Clean Inside of Tubes in Steam Superheater, "A" Side
(W) - Make Minor Repair to Brickwork Boilers #3 and #4, Plant #1
(X) - Remove Brickwork in Zones #2 & #10 and Replace in Zone #2 of BB-101 Kiln - #151 TCC Trtr.
(Y) - Replace Refrac. in Zone #6 of Trtr. Kiln Where Stainless Steel Strip Has Been Replaced
(Z) - Repair Refrac. Lining in BB-101 Kiln - #151 TCC Trtr.

9350 - Wilmington - Repair Insul. & Repack Header Box Ends on BB-101 trtr. Kiln, U-151
(A) - Rpr. Refrac. at Waste Gas Burners & of N. Header Box End Sec. of Superheater, U-151, TCC Trtr.
(B) - Add or Replace Packing as neces. where Kiln Coils Enter & Leave Hdr. Box - U-151, TCC Trtr.
(C) - Rprs. to B3A Htr., 33A Crkg.
(D) - Rpr. Refrac. Lining in Stack & Flue of B3A Htr. Unit 33 Crude
(E) - Replace Brick on D8A & 10A Line Supports, 33A crkg.
(F) - Rpr. Plenum Tile & Brkwrk. in B1A Htrs, #33 Common
(G) - Rpr. Htr. Stack Breeching Lining on East Wall of Flue, #33 Common T/A
(H) - Rprs. to Htr. Lining, Flue & Stack, #33 Common T/A
(I) - Rpr. B1A Flue Lining, #33 Common T/A
(J) - Remove Brk. to Install Line Supports D6B, #33-B Crkg. Unit
(K) - Rpr. Plastered Wall on West Side of Control Room at U-110-B
(L) - Rprs. to B3B, #33-B Crkg. Unit

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UNION OIL COMPANY OF CALIFORNIA (CONTD.)

9350 - (contd.)
(M) - Rpr. Refrac. in B3B Heater Stack Breeching
(N) - Prepare & Brick up at D10B Tower Line Supports
(O) - Prepare for Install. of Supports for D5B Tower Lines
(P) - Revise & Relocate U-33 D2 Oil Line on "C" St.
)Q) - Construct Second Brick Fire Stop on Pipe Trench, "B" Street
(R) - Repair Boiler Brickwork, B.P. #2
(S) - Repair Brick Fire Wall E St. & Res. 11

9363 - See C. R. Butterfield Company
Wilmington - Repair Fire Wall on Road 12 & G Street

9421 - Wilmington - Engineering Dept. - Labor Only to Construct A Cement Block Electric Shop Office
(A) - Build Fire Walls
(B) - Repair Fire Walls, Rd. 12 & G7
(C) - Build New House for Electrical Equipment at Edeleonu Plant

9478 - Wilmington
(A) - Replace Brick Wall to Tank 248
(B) - Repair Boiler #6 Brickwork
(C) - Relocate or Protect Florescent Lights on Operators Desk
(D) - Install Blow-down Piping in Reaction Section
(E) - Repair Tile in Office Unit 114
(F) - Repair Brikwork on Skirt F-9 Drum
(G) - Repair Boiler Brickwork
(H) - Install Brick Fire Stop & Bunker in Trench
(I) - Install Second Brick Firestop & Raise
(J) -
(K) - Install Refractory in Lines P666 - P664
(L) - Install Refractory in Peabody Heater

(contd.)

UNION OIL CO. OF CALIFORNIA (contd.)

9478 - (contd.)
(M) - Install Lining on New Wear Plate D601
(N) - Install Refractory on Test Plate
Blow Reactor Grid
(O) - Unit 33 Crude - Repair Firestops
(P) - Unit 33 Crude - Replace Condensate Drop Line
(Q) - Remove Refrac. from bottom of Flange B3B Heater
(R) - Rpr. Eyebolts & Radiant Sec. in Cracking Unit B1A
& Replace Tube Hangers
(S) - Replace Broken Window Glass, P. H. #2
(T) - Repair Brickwork at Entry Road
(U) - Brick Wall at SE Corner 10th & G Streets
(V) - Repair Radiant Sections Crude Unit B1B

9584 - Wilmington - Refractory Maintenance at Los Angeles Refinery

9620 - Wilmington - Miscellaneous Repairs

9579 - Wilmington - Miscellaneous Repairs

9756 - Wilmington - Miscellaneous Repairs

9784 - Wilmington - Modernize Dark Oil Facilities
Remove So. End of Preheater #1 and Install
New End

9817 - Wilmington - Miscellaneous Repairs

9834 - Torrance Tank Farm - Repairs to Oil Heater Furnace

9880 - Wilmington - Miscellaneous Repairs

1187 - Wilmington - Miscellaneous Repairs

1209 - ~~Wilmington~~ Santa Fe Springs - Repairs to Heater in Lomita Tank Farm.

1221 - Wilmington - Drill Holes in Roof of Reactor

1267 - See C. F. Braun & Co - Wilmington -
(A) - Four Reactor Linings.
Material only to Dryout heaters

1287 - Wilmington - Labor only to construct two Wing Walls for Roadway Cross Pipe Trench.

1275 - See Ralph M Parsons - Design & supply One Waste Gas Incinerator.

1345 - See C F Braun - Wmgtn -External Ins. Unit (Reactor #59 Guard

1376 - See C. R. Braun & Co - Wilmington
Fireproofing Vessel Skirts

1395 - See C F Braun & Co - Wilmington - One Fired Heater

UNION OIL COMPANY OF CALIFORNIA (Continued)

1409 - See Ralph M Parsons Co - Wilmington
Replace Acid Brick in Sump

1472 - Wilmington - Miscellaneous Maintenance Work

1489 - (See C F Braun & Co
(Wilmington - Labor and Material to make necessary repairs to Petro Chem Furnace #B 202

1497 - See Fluor Corporation, Ltd - Wilmington
Install refractory and insulation for One (1) Combustion Engr. Boiler

1554 - See C F Braun & Co
Wilmington - Repair Lining in Born Heater by Guniting.
(A) - Install Burner Tile in Born Heater

1585 - Tank Farm - Lomita
Necessary repairs to Heater

1617 - Wilmington - Miscellaneous Maintenance Work

1658 - Tank Farm - Lomita
Necessary repairs on Side Wall of Tube Still

2037 - See C F Braun & Co - Oleum
Alhambra (Job location) - Labor and material to insulate 90" diameter Reactor)

2081 - Wilmington - Miscellaneous Maintenance Work

2314 - Torrance - Repairs to Two (2) Mallard Heaters

2562 - Wilmington - Miscellaneous repairs

(Continued next page)

UNION OIL CO. OF CALIFORNIA (Continued)

2710 - Tank Farm - San Pedro
To renew Burner Ring of H.R.T. Boiler

2820 - Wilmington
Miscellaneous Repairs

2997 (A) Remove and replace castable refractory lining in B201 and B203 Heater
(B) Labor and material to repair refractory lining in B101 and B204

s Heater
ler Heaters

3019 - Wilmington
See C F Braun & Co
Lining Vessel Skirts

3020 - Wilmington
Design and construct One (1) Waste Gas Incinerator and Stack
UNIT B-401

3022 - See Erie City Iron Works
C F Braun & Company
Wilmington
Install refractory lining for One (1) Process Quench Exchanger

3221 Wilmington Refinery
Wilmington
Repairs to one (1) B&W Boiler #2 class F22-AE-14, damaged by explosion.

3277 Brea
Repair burners on steam generator of oil well #80
(a) repr burners same as above

3274 C F Braun & Co.
Wilmington
Necessary repairs to B201 and B202 Furnaces

3443 Wilmington
Maintenance reprs

3470 Wilmington
Remove Plenum tile of unit #33

3472 Alhambra
Install and supply AA22 Refractory on reactor riser line

3527 Wilmington
Repair regenerator dip legs Unit #152

3563 Lomita(Tank Farm)
Necessary repairs to Millard Diredt-Fired fuel heater

3570 Harbor Pump Station
San Pedro
Necessary repairs to heater

3800 Wilmington

3800
(A) Fireproof vessel skirt

3836= Wilmington
Maintenance Repairs

4027 Fluor Corp. Ltd.
Wilmington
Furnish and install Resco AA-22 lining in 6 Buell cyclones, and in reactor riser and regenerator standpipe
(A) Heat curing reactor riser linings

4251 Wilmington
Repair born heater

4291 Wilmington
Repairs to outlet piping - reformer heater
B101

4558 Wilmington
Line pipe with AA22

4579 Wilmington
Repair regenerator cyclones

4595 Wilmington
FLUOR CORP
Los Angeles
Fireproofing reactor skirt

4601 Wilmington
C F BRAUN
Repair refractory lining in one born htr B-103

4611 Wilmington
Maintenance repairs

4646 Santa Maria
Repair sulphur "A" stack

4652 Wilmington
PHILIP CAREY MFG CO
Rental of gunite equip

4663 Wilmington
Install burner tile in born heater

UNION OIL CO OF CALIF (continued)

(all WILMINGTON unless stated otherwise)

5075	Smith Crane and Rigging Co Repair damage to lining of Born Heater	
5094	Install lining B102 auxiliary burner, unit 138	
5103	Insulate top tube sheet, Selas Reformer Htr B101	
5734	Maintenance Repairs	6/69
6152	(SANTA MARIA) Repair refractory in Coker A and B Htrs during April/70 turnaround	3/70
6117	Lining for 6 Reactor Cyclones	2/70
6203	Install top 80 ft. of existing 100 ft. stack	4/70
6225	Repair B201 and B202 Heaters	4/70
6225A	Repair Bullnose	5/70
6400	Design and construct FCC gas incinerator	9/70
6434	Construct and deliver one H_2S Furnace	10/70
6590	Maintenance Repairs	
6762	Repairs to Petrochem Oil Furnace Drawing C1628-14A	6/71
7108	B201 Heater - Unit 8	3/72
7251	Repair Unit 67	6/72
7317	XXX B101 heater and burner throats	8/11/72
7323	Repairs to #3 boiler	8/22/72
7406	Repair Unit #67.	11/72

7506 "A"	Fireproofing vessels #15-1101 and #15-1102	4/73	ıy	1/73
"B"	Repair Firewalls	4/73	ır	

7588 Wilmington 3/73
Repair #1 Boiler.

7605 Owl Constructors 3/73
LA Refinery
Refractory Lining Vent Stack Unit #152

7614 Wilmington 3/73
Repair Unit #60 B101 heater

7661 Wilmington 4/73
Repair heaters B201 and B202
at Unit 152

7699 Los Angeles refinery
Wilmington
Fire proofing vessel 5/73

7731 Wilmington
Acid brick lining for sump. 6/73

7811 Wilmington
Necessary repairs to heaters
B2A and B3A 8/73

7861 Fluor Engineers 9/73
Wilm
Repairs to Selas heaters 100-100,
101, 103, 103, 104
A Repairs to Petrochem

UNION OIL COMPANY OF CALIFORNIA (Continued)

7944	Wilmington Fire proof three thanks #302	11/7
7965	Wilmington Replace broken tile on fllor of cafeteria	11/19
7997	Wilmington Repairs to #103 unit	12/10
~~"A" Repairs to accees doors of waste heat boiler~~	~~cancelled~~	~~12/11~~
8042	Wilmington Repairs to Petro Chem heater	1/14
8081	Wilm Repairs to B2 heater	2/74
8137	Wilm Repairs to B201, 202, 203 heaters at unit 90	3/74
8160	Wilm Fireproof tank #300	3/74
8179	Wilm Repairs to B101 and B102B heaters	4/74
8213	Wilm Repairs to CO boiler	4/74
8236	Wilm Repairs to catcracker turnaround	4/74

UNION OIL CO OF CALIF (Cont)

8301	Wilm Repairs to #3 boiler	6/74
8314	Repairs to 114 asphalt heater	6/74
8350	Repairs to B-1 and B-2 heaters at unit #67	7/74
8359	Repair #1 unit sulphur acid plant	7/74
8372	Repair #2 unit sulfur plant	7/74
8435	Nec repairs to #3 boiler	8/74
8473	Repairs to #2 Boiler	9/74
8495	Line Wemco Tank	9/74
8539	Wilm - Repair Unit #33	10/74
8552	~~KA~~ - Unit Construction Maintenance LA - Fireproof Tank	11/74
8750	Wilm - Refractory Repairs to B101, B102, B103 Heaters - Unit 89.	3/75
8755	Wilm - Refractory repairs B201, B202, B203, & B204, Heaters Unit 120.	4/75
8778	Carson Yard Install AA22 in Flare Stack	4/75

UNION OIL CO OF CALIF

8802	Carson Yard-Install AA22 in Stack	5/75
8804	Wilm-Repairs to the B202 Heater and E103 Exchanger at Unit 120	5/75
8908	Refractory Repair B201 Heater, Unit 90	7/75
"A"	Refractory Repair B202, Unit 90	
~~"B"~~	~~Refractory Repair B203, Unit 90~~	Cancelled 8/75
8910	Wilm-Nec Repairs, Unit 138	7/75
8948	Wilm-Nec Repairs to Heater D-203 Unit 90	8/75
8951	Wilm-Nec Repairs to #3 Boiler	8/75
8967	Wilm-Nec Repairs to Unit 138 of Sulfur Unit	9/75
8972	Wilm-Remove & Replace Burners in B-1 & B-2 Heaters at Unit #91	10/75
8984	Wilm-Repair Units 26,27, 28 and Nec Repairs to ISO Flow Furnace B101 Fireproof Vessel Skirt	10/75
9012	Wilm-Nec Repairs to B-1 Heater & B-3 Heater	10/75
9041	Wilm-Nec Repairs at Burners in B-101 102, 103, 104 & 105 Heaters at Unit 80	11/75
9044	Wilm-Repairs to Heater B202 Unit 151	11/75
9055	Wilm-Nec Repairs to Unit 38	11/75

UNION OIL CO OF CALIF

9104	Wilm Nec Repairs to Unit 35	1/76
9131	Wilm-Refractory Repairs Burners in B-101, B102A, B102B, B-103 & B-201. Heaters at Unit 60	1/76
9195	Wilm - Nec Repairs to the #401 Boiler	3/76
9203	Wilm - Repair Unit #60 Heaters #102A & 102B	3/76
9221	Wilm - Install External Insulation on Tank #380	4/76
9227	Wilm - Necessary Repairs to the B101 - Unit 89	4/76
9241	Wilmington-Install AA22 in Regenerator Flue Gas Line	4/76
"A"	Dryout	6/76
9277	Wilm-Regenerator & Regenerator Cyclone	6/76
"A"	Heater #B202 & Stack	
"B"	Riser Line "C" Peabody Heater	
"C"	Peabody Heater	
"D"	Spent Cat Line	
9300	Wilm-Fireproof on D1,2,3,4&5 Skirts	6/76
9304	Wilm-Repairs to Thermal Oxidizer	6/76

UNION OIL CO OF CALIF

9351	Wilm - Repairs to Heater E-102 in Unit 138 Sulfur Acid Plant.	7/76
9402	Wilm - Nec Repairs to #B202 Furnace	8/76
9407	Wilm - Repairs to D204 Absorbers	8/76
9408	Wilm - Nec Repairs to #3 Boiler	8/76
9449	Wilm - Repair #1 Crude Heater Unit #33	9/76
9539	Wilm - Gunite Unit #152 Slowdown Valve	11/76
9632	Carson Yard - Install Lining & Dryout Flare Stack	2/77
9638	Wilm - Repairs to Unit #120	2/77
9649	Wilm - Repair Unit 120 of the Selas Furn.	2/77
9658	Wilm - Patch Holes in Thermal Oxidizers	2/77
9659	Wilm - Emergency Repairs to #B203 Petrochem Heater	2/77
9663	Wilm - Nec Repairs to Unit #80	2/77
9669	Wilm - Repair #1 Boiler	3/77

UNION OIL CO OF CALIF

9687	Wilm – Repair 6' Beam Unit 91, Tank 345	3/77
9690	Wilm – Repair B1 Vacuum Heater B-101 & 201 Heaters and 5' Beam	3/77
9694	Wilm – Nec Repairs to #6 Boiler	3/77
9733	Wilm – Nec Repairs to #4 Boiler	4/77
9796	Wilm – Repair Pump Base Unit 110 & 138	5/77
9841	Wilm – Repair Pump Base at Unit 110	6/77
9876	Wilm – Nec Repairs to Units E201, E202 & E204	7/77
9934	Wilm – #3 Boiler Repair	8/77
9991	Wilm – Repairs to B101 Heater	9/77
10061 "A"	Wilm – Repairs to #7 Boiler Install 2300 Low Iron in 7 Tube Sheets	11/77
10101	Wilm – Repairs to #5 Boiler	12/77
10138	Wilm – Install 24-12 Burners on Unit 33 Crude Heaters	1/78
10139	Wilm – Remove & Replace Castable on Floor & Install New Burner Tile & Refr. on a Petrochem Heater	1/78
10159	Wilm – Nec Repairs to Heaters #33 & #34	1/78
10162	Wilm – Repairs to B1A & B13 Heaters Unit #33	1/78
10163	Wilm – Repairs to B-3A Heater Unit #35.	1/78

UNION OIL CO OF CALIF

10166	Wilm - Nec Repairs B-2 Heater Unit 35.	1/78
10168	Wilm - Repairs to Salt Water Sump	1/78
10177	Wilm - Line 2 Pits	1/78
10246	Wilm - Nec Repairs to B101, 102, 103, 104 & 105 Heaters	2/78
10298	Wilm - Nec Repairs to #B102, B201, B103 Heaters	4/78
10310	Wilm - Nec Repairs to #4 Boiler	4/78
10333	Wilm - Catcracker Shutdown	4/78
"A"	Labor for Regenerator Catalyst Expansion Joint	
"B"	Regenerator Repairs	
"C"	Repair Reactor Cone Steam Chest and Riser Lines	
"D"	Repairs Overhead Line & Expansion Joint	
10337	Wilm - Repairs to Heaters B201 &B202	4/78
10349	Wilm - Repairs to the Thermal Oxidizer	5/78
10404	Wilm - Repairs to the B202 Reactor Furnace Unit 138	6/78
10508	Wilm - Repair to #6 Boiler	8/78
10478	Wilm - Repairs to Heaters B201 & 202, Unit 90	8/78
10479	Wilm - Repairs to #3 Boiler	8/78
10625	Wilm - Repairs to Unit #89 Heater #B101	9/78
10564	Wilm - Repairs to #7 Boiler	10/78
10578	Wilm - Repairs to Unit 25 Heater B1 Unit 27 and Heater B101	10/78

UNION OIL CO OF CALIF

10593	Wilm - Repairs to Unit 25 B101 Heater Unit 26 B201 Heater Unit 27 B1 and B2 Heater	10/78
10635	Wilm - Repairs to Unit 100	11/78
10667	Wilm - Gunite Flues Unit 35 on the B3A, B2A and B3	12/78
10769	Wilmington-Nec. Repairs to heater 101, 102, & 103,104 in unit 80	2/79
10815	Wilmington-Repairs to #120 Unite B101 Heater	3/79
A	B202 Heater	
B	B203 Heater	
10817	Wilmington- Nec. Repairs to flare	3/79
10821	Wilmington- Refractory lining in H2 Transfer line	3/79
10829	Wilmington - Repairs to heat Exchangers	3/79
10832	Wilmington-Repairs to North Flare	3/79
10839	Wilmington-Unit 110 Repair two pump bases	3/79
10883	Wilmington - Repairs to #1 boiler	4/79
10913 "A"	Wilmington - Repairs to roof unit 60 Sub station # 3 One Sub Station	4/79
10912	Wilmington - Repair West cooling tower unit #35	4/79

UNION OIL COMPANY OF CALIFORNIA

11037 Wilmington
Install acid brick lining in sump F211 drain box unit 110 7/79

11053 Wilmington 7/79
Repair flanter in front of main building

11059 Wilmington –
Repairs to sulfur condenser unit 38 7/79

11081 Wilmington
Nec. Repairs to Boiler #3 7/79

11118 Wilmington – Repairs to #6 boiler 8/79

11142 Wilmington – Nec. repairs around tube end of the B-1A heater unit #33 9/79

11169 Wilmington 9/79
Nec. repairs to east bisbreaker west cell
B Bib crude heater

11198 Wilmington 10/79
Concrete repair of unit 110

08\2
11199 Wilmington 10/79
Repair red brick fireproofing in tower D2

11201 Wilmington 10/79
Repair red brick fireproofing in tower D3

UNION OIL COMPANY OF CALIFORNIA

11261 Wilmington 11/79
Repair floor in cafeteria

11253 Wilmington 11/79
Nec. repairs to unit 100

11291 Wilmington 12/79
Unit 138 repairs to B101 & B102
and E102 furnaces

11370 Wilmington 1/80
Repairs to FCC unit (Cat cracker)

11482 Wilmington 3/80
Install refractory lining in new bypass
line spool and repair refractory in main
blower discharge line RCN

11528 Wilmington 4/80
Repair unit #152 of accumulator deck

11548 Wilmington 4/80
Repairs to boiler #7

11561 Wilmington 4/80
~~11548~~ Install AA22 in flare stack

11583 ZURN INDUSTRIES 5/80
Wilmington - Repairs to #8 boiler

11615 Wilmington 6/80
Repairs to B201, B202 & B203
heaters in unti 90

UNION OIL COMPANY OF CAL IFORNIA

11688	Wilmington Repairs to heater B-202 unit B8	7/80
11701	Wilmington Repair Unit #35	7/80
11694	COASTAL MACHINE Carson Yard Line six dust pots	7/80
11797	Wilmington FCC Turnaround	9/80
11826	Wilmington Gunote celing of accumulative deck south side unit 152 fireproof	10/80
11837	Wilmington Repairs boiler #8	10/80
11874	Wilmington Necessary repairs to #8 boiler	11/80
11921	Wilmington Repairs to B101 & B201 furnaces	12/80
11923	Wilmington Boiler #7 insulate around soot blowers	12/80
12021	ZURN INDUSTRIES Wilmington CO boiler renew burner throat & partition wall	2/81

UNION OIL COMPANY OF CALIFORNIA

12028	Wilmington Necessary repairs to vis breaker heater #35	2/81
12052	WESTERN PETRO-CHEM SERVICE INC Santa Maria Install refractory linings in four kit heaters	3/81 RCN
A	Extra labor and material	
B	Replace roof of vacuum heater	
C	Additional repairs	10/7/81
12064	Wilmington Unit 120 turnaround	3/81
12119	Wilmington, CA + D4 Repairs to unit #91 D2 tower install red brick fireproofing	4/81
12176	Wilmington, CA Necessary repairs to #7 boiler	5/81
12263	Wilmington, CA Repair unit #138 B101 heater	7/81
12278	Wilmington Repair #3 boiler	7/81
12291	Wilmington, CA Repairs to transfer line on unit 120	8/81

UNION OIL COMPANY OF CALIFORNIA

12372	Wilmington, CA Unit 110-Install brick in one 4Ft long outlet pipe	9/81
12385	Wilmington, CA Repairs to vis breaker heater	10/81
12404	Wilmington, CA Repair unit #35	10/81
12414	Carson Yard Collection header unit 120	10/81
12422	Wilmington, CA Repairs to salt water plant	11/81
12429	Wilmington, CA Unit #33 to replace missing column brick on towers #D1, D2 and D3, D4A, D4B, D4C, D5B, F2, F4 & F16	11/81
12459	Wilmington, CA Build new block office in heavy metals dept.	12/81
12466	Wilmington, CA Repairs to unit #138	12/81
12587	Wilmington, CA Repairs to #8 boiler	3/82
12632	Wilmington, CA Necessary repairs to boiler #4	4/82

UNION OIL COMPANY OF CALIFORNIA

12642	Wilmington, CA Necessary repairs to unit #90	4/82
12651	Wilmington, CA Repair thermo gas oxidizer new repair	5/82
12673	Wilmington, CA Necessary repairs to boiler #7	5/82
12712	BRAGG CRANE & RIGGING Wilmington, CA Install decking insulation in north precipitator	6/82
12733	Wilmington, CA Repairs to #3 boiler	7/82
12745	Wilmington, CA Necessary repairs to B-3 Vis breaker furnace unit #35	7/82
12771	CarsonYard, CA Install refractory lining in hydrogen transfer line forhe ater B-101 in unit 120	8/82
12779	Wilmington, CA Repairsto #6 boiler	8/82
12794	Wilmington, CA Repairfloo r tile in cafeteria	9/82

UNION OIL COMPANY OF CALIFORNIA

12810	Wilmington, CA Repairs to unit #138	9/82
12815	Wilmington, CA Labor only to install AA22 in six dust pots	9/82
12817	Wilmington, CA Repairs to thermal oxidizer	9/82
12841	Wilmington, CA FCC Unit shutdown	12/82
12907	Wilmington, CA Install lining in stack on heater #131	RCN 12/82
12947	Wilmington, CA Repairs to unit 100 H101 & 104 heaters	2/83
12964	Wilmington, CA Repair Unit #34 heater B2A	2/83
A	Fireproof	
12988	Wilmington, CA Repair burner unit #60	3/83

UNION OIL COMPANY OF CALIFORNIA

13002	Wilmington, CA Necessary repairs to #4 boiler	4/83
13024	Wilmington, CA Repairs to unit #110	4/83
13036	Repairs to flare stack	5/83
13058	Repairs to unit #100	5/83
13060	PATHWAY BELLOWS Carson, CA Refractory installation two expansion joints and one standpipe	RFB 6/83
13068	Repairs to #7 boiler	6/83
13069	MILCO CONSTRUCTION Wilmington, CA Install brick floor and burners	6/83
13086	Repairs #3 boiler	6/83
13107	PULLMANN POWER PRODUCTS/ FLUOR CORP/ Paramount, CA Install lining in duct section fbr FCC revamp	RFB 7/83
13118	Repair boiler #6	7/83
13127	FLUOR CONSTRUCTORS Wilmington, CA Furnish labor and materials to install portion of the lining in polutrol 3rd stage separator	RCN 8/83

UNION OIL COMPANY OF CALIFORNIA

13133	Wilmington, CA Repair tube sheet sulfur plant	8/83
13151	Repair visbreaker heater B-2A unit #35	8/83
13171	Repair to #E301 exchanger unit #120	9/83
13186	FCC unit turnaround	9/83
13204	Unit #110 heater B211	10/83
13212	#2 boiler gunite Div. plate	10/83
13226	Repair quarry tile floor in men's change room	11/83
13234	Repairs to B201 combustion reactor unit #138	11/83
13254	Wilmington, CA Repair patch in FCC Regenerator around new test nozzle	11/21
13306	Wilmington Refinery Unit #35 Visbreaker Heater	1/5
13354	Wilmington, CA Miscellaneous repair to heater B101-105 Unit 80	2/8

UNION OIL COMPANY OF CALIFORNIA

13410	Wilmington, CA Repair and Replace Manway Arch #4 Boiler	3/84
13426	Wilmington CA Repairs to #8 Boiler	4/84
13440	Wilmington CA Repair Water Treater Concrete with Penntrowel	4/84
13476	Wilmington CA Boiler #6 Repairs	5/84
13542	Wilmington CA Repair Spent Catalyst Line FCCU	7/84
13546	Wilmington CA Repairs to Inlet Duct Thermal Oxidizer	7/84
13551	Wilmington CA Repair #7 Boiler	7/84
13575	Wilmington CA Install Kaowool in Heater Boxes Unit'	7/84
13577	Wilmington CA Repairs to Tube Sheet Unit #138 B202 Reaction Furnace	7/84
13625	Wilmington CA Repair Burner Tile and Floor on B202 Unit 90	9/84
13638	Carson Yard To Replace Brick Borrowed for Stauffer Chemical (13629)	9/84
A	Mobil Oil Co Carson Yard To Replace Brick Borrowed for Stauffer Chemical (13629)	
13648	Wilmington CA Repair Burner .Tile Boiler #2	10/84

13648 Wilrington CA 10-84
Repair Burner Tile Boiler #2

13687 Wilmingto Ca 11-84
M isc Repairs to Unit #33 and #35

13790 Wilmington CA 1/85
Repairs to Unit #135 Drain Box

13824 Wilmington CA 2/85
Repair #2 Boiler

13861 Wilmington
Nec repairs to boiler #7 3-85

13900 Wilmington
Repair Heaters Unit 60 4-85

13908 Wilmington
FCC Turnaround on Unit #152 4-85

14044 Wilmington
Repairs to spent catalyst & regenerator catalyst slide Valve 8-85

14045 Wilmington
Repairs to unit 138 SRU furnace 8-85

14046 Wilmington
Repairs to unit 91 BI and B3 heaters 8-85

14087 (Uno-Cal)
Wilmington
Nec repairs to B101 heater Unit #120 10-85

14093 Wilmington
Repair #3 Boiler 10-85

14112 Wilmington
Fireproof skirt on D-6 tower 10-85

UNOCAL (~~SEE~~ UNION OIL)

14193	Wilmington Repairs to heater B201 Unit 80	12-26-85
14275	Wilmington Remove & replace FCC turn around fire proofing on D601 vacuum tower	3-25-86
14282	Santa Maria After burner refractory repair material only	4-3-86
14293	Wilmington Necessary repairs to #7 boiler	4-11-86
14300	Wilmington Repair #4 boiler	4-18-86
14305	Wilmington Revise sample nozzles on thermal oxidizer	4-25-86
14326	Wilmington Repairs to #8 boiler	5-13-86
14334	Arroyo Grande Boiler inspection B601	5-23-86

See Unocal

UNION OIL COMPANY (LEMONT, ILLINOIS)

5210	C F BRAUN AND CO Install lining in 15 cyclones.	
5210A	Install AA22 lining in 3 slide valves.	
5211	CHICAGO BRIDGE AND IRON C F BRAUN AND CO Install linings in FCC regenerator and reactor.	6/68
5211A	Services of dryout engineer to assist refractory dryout.	
5296	C F BRAUN AND CO Construct refractory lining for two Alcorn coker heaters.	
5296A	Line header boxes	
5296B	Repair Alcorn Heater coker unit	7/69
5487	C F BRAUN AND CO Refractory lining for 2-train R M Parsons' sulfur recovery plant	12/68
5794	C F BRAUN AND CO Install 96 burners in 6 furnaces	7/69

UNION OIL RESEARCH CENTER

7659	Brea Supply one 40 SCFM Fume Incinerator	4/73
10804	Carson Yard - Line Experimental Pip with abresist	3/79
115 32	Carson Yard Install lining in pilot plant delayed coker	4/80 RCN
11754	Carson Yard Install refractory in pipe cap	9/80

UNION PACIFIC OIL COMPANY

2489 - See F. S. Bitgood
Signal Hill - One (1) Pipe Still

2490 - See F. S. Bitgood
Signal Hill - Bigelow Arch for Pipe Still

UNION PACIFIC RAILROAD COMPANY

2362 - Los Angeles - Two (2) 236 h.p. Stirling Boilers

2363 - Milford, Utah - Two (2) 214 h.p. Stirling Boiler

2364 - Las Vegas, Nevada - Brickwork - One (1) 250 h.p. Stirling Boiler

2914 - Two (2) #14 Stirling Boilers

2935 - Repairs to #3 Boiler

3150 - See C. C. Moore & Co. Engineers
Kelso - Class HIII #14 Stirling Boiler Brickwork

4186 - See C. C. Moore & Co. Engineers
Los Angeles, East Yard - B. & W. Boiler Setting

4431 - See C. C. Moore & Co. Engineers
Los Angeles, East Yard - Insulation of Piping

[illegible]

3540 Wilmington
Repairs to #1 Steam Generator

3694 Wilmington
Repairs to #2 Heater

4631 Los Angeles
Rebrick 2 Babcock & Wilcox class "Q" #14 sterling blrs set in battery

4757 Wilmington
Repair #10 boiler at Dehy plant

UNION PACIFIC RAILROAD OIL FIELD

3426 NATIONAL SALES
Wilmington
Reprs to boiler

UNION PACIFIC RESOURCES CO.

14779	**Wilmington, CA** **Design and supply two new SRU Furnaces**	7-20-87
14876	**Wilmington, CA** **Supply & install tube-sheet and gas outlet. Materials in two SRU Units.**	10-12-87
14928	**Long Beach** **Repair to #1 Condensor**	12-4-87
14910	**Wilmington, CA** **Provide bulk heads for Champlin Dry Out**	11-18-87
15092	Long Beach, CA Repairs to H300 C Cooper Heater	6-7-88
15142	Long Beach, CA Repair SRU Furnace	7-18-88
15151	Long Beach, CA Repair refractory in sulfur plant	7-29-88

UNION PACIFIC REFINERY

6353 Wilmington 7/70
Repairs to S400 Sulfur boiler

UNION PACKING COMPANY

275 - See Baker Iron Works
One (1) 54" x 16'-0" HRT Boiler

2825 - Repairs to Firebox of Boiler

UNION SUGAR COMPANY

296 - Betteravia, Calif. - San Joaquin Furnace for Class "M" #20 Stirling Boiler

(A) - See C. C. Moore & Co. Engineers Betteravia - Brickwork - Two (2) Class "M" #20 Stirling Boilers

3215 - See C. C. Moore & Co. Engineers Betteravia - Six (6) Class "M" #20 Stirling Boiler Alterations

6093 - See Standard Steel Corporation Betteravia, Calif. - One (1) Dired Fired Calciner

6221 - Betteravia, Calif. - To Reline Lime Kiln -

2693 - **Betteravia - Labor only to install Baffles in Foster Wheeler Boiler**

NO. 901-11 R ZIP U.S.A.

UNION TANK CAR COMPANY

4192 - (See T-502)
North Baton Rouge, Louisiana
See Diamond Iron Works, Inc., Mahr Mfg. Co. Div.
Brick Lining for One (1) Car Type Furnace

UNIT CONSTRUCTION MAINTENANCE

8552	Union Oil Co-LA Fireproof Tank	11/74
11903	UNION CHEMICAL Wilmington, CA Acid brick faving at acid mixing facilities	12/80

UNITED AIR LINES

5821 - See Morse Boulger Destructor Co.
Los Angeles Airport - Commissary
Morse Boulger Destructor

5970 - See L. M. Scofield Company
Mines Field - Los Angeles - Incinerator Repair

UNITED CAN & GLASS COMPANY

9707 - Fullerton - Repair Knapp Furnace

UNITED CARBON COMPANY, INC

2079 - See The Lummus Company
Fleta, Calif (near Mojave)
Refractory Lining Five (5) Reactors
DC 101 thru DC 105

(A) - Refractory Lining for three (3) FEF Reactors
and 1 Hanson-Skorg Reactor

2107 - See The Lummus Company
Fleta, Calif (near Mojave)
Panelag Lining Dryer Furnace

UNITED CONCRETE PIPE CORPORATION

8530 - Baldwin Park - Jetcrete Experiment

2441 - See C. C. Moore & Co. Engrs
Baldwin Park
New Refractory Baffles for B & W
FF 12 #20 Boiler

3025 - Baldwin Park

Repairs to B & W #FF12 Boiler

NO. 861-11R U.S.A.

UNITED ENGINEERS & CONSTRUCTORS, INC.

3875 - American Potash & Chemical Corp. - Trona
Brickwork on Dryer Furnace

NO. 801-11 R IPE U.S.A.

UNITED FABRICATORS, INC.

4212 Santa Fe Springs
GARDEN CITY PAPER CO.
Pomona
Install insulation in casing panels for
Foster-Wheeler boiler

(A) Furnish additional material

4437 Santa Fe Springs
Install refractory lining in 7 F-W
heaters

(A) Supply material

7362 Santa Fe Springs
PRITCHARD-GULF
Refractory lining in one vessel. 9/72

8262 Santa Fe Springs 5/74
Foster Wheeler stack linings HWB

X$$@

8442 Santa Fe Springs 8/74
Furnish and install lining for
Toscopetro heater stack HWB

8494 Foster Wheeler Corp
Santa Fe Springs 9/74
Stack Lining for Export to Taiwan

"A" Breech lining for export to Taiwan 2/75

8724 Foster Wheeler Energy Corp 3/75
Santa Fe Springs
Install Refractory Lining in Stack.

8936 Foster Wheeler Energy Corp/Amoco Chem. 8/75
Santa Fe Springs-Refractory Lining
Hot Oil Heat er

UNITED FABRICATORS INC

9229	Foster Wheeler - Santa Fe Springs Refractory Linings in Convection Section Ducts for Shipment to Augusta, Kansas	4/76
10477	Foster Wheeler - Santa Fe Springs Install Lining in 2 Stack Sections	8/78
"A"	Install Lining in 2 Stack Sections	
12007	FOSTER WHEELER Livingston, NJ? Santa Fe Springs Install refractory lining in two stack sections	2/81 RCN

UNITED FRUIT COMPANY

2920 - S. S. "Chiriqui" - Repairs to Four (4) Boilers

UNITED LINEN SUPPLY COMPANY

5567 - See C. C. Moore & Co. Engineers
Los Angeles - Brick Setting
One (1) Class H4 No. 30 Stirling Boiler

UNITED PACIFIC ALUMINUM CORPORATION
UNITED STEEL PRODUCTS CORPORATION (former name)

9318 - Construct One (1) Two-Hearth Aluminum Reverberatory Furnace

9404 - Los Angeles - Furnish and Erect Steel Stack for Aluminum Reverberatory Furnace

9568 - Los Angeles - Brickwork Repair to Lindberg Electric Furnace

9618 - Los Angeles - Repairs to Tunnel Furnace

9635 - Los Angeles - Construct One (1) Two-Hearth Aluminum Reverberatory Furnace and Stack
(A) - Repair Jamb Brick on Annealing Furnace

UNITED PACIFIC ALUMINUM CORPORATION

1012 - Los Angeles - Repair #1 Aluminum Melting Furnace
(A) - Furnish Two (2) Cast Iron Well Doors
(B) - Install Tapout Block

1205 - Los Angeles - Repairs to Lindberg Furnace

CANCELLED — 1235 - Los Angeles - Repair #2 Aluminum Melting Furnace

1271 - Los Angeles - Replace Tapout Blocks on #1 Furnace.

1383 - Los Angeles - Design & Construct 100,000# Remelt Furnace

1506 - Los Angeles - Repair Roof on #1 Remelt Furnace

CANCELLED — 1613 - Los Angeles - Labor and Material to Re-locate Aluminum Furnace Stack

1643 - Los Angeles - Labor and Material to Install Refractory Lined Flue

1699 - Los Angeles - Labor and material to repair Door Jambs on 100,000# Remelt Furnace

(A) Repair Flue Elbows

(Cont'd next page)

UNITED PACIFIC ALUMINUM CORPORATION (Cont'd)

2022 - Los Angeles - Repair Detrick Arch in #1 Aluminum Melting Furnace

2041 - Los Angeles - Repairs to Door Jambs

UNITED REXALL DRUG COMPANY

5601 - See Lohman Bros.
Los Angeles - Brick Bases for Three (3)
Titusville Boilers

5762 - See Lohman Bros.
Vernon - Warehouse - Brick Bases
Two (2) Kewanee Boilers type 7-L-83

UNITED RIGGERS - Santa Fe Springs, Calif

6022	Line Door 'a' - Install door at Aerojet, Anaheim	12/69
7615	Great Lakes Carbon Wilmington Kiln #4 Stack emission pilot plant	3/73
12464	NORRIS INDUSTRIES Vernon, CA Repair holcroft industrial furnace	12/81
15055	Wilmington, CA Tear out 31' of hex-mesh lining in primary cooler	4-19-88

UNITED SHIP SERVICE COMPANY

4562 - Wilmington - S. S. "Mormackdale -
To Renew Boiler Brickwork

NO. 801-11 R

USA PETRO CHEM (Also listed under Petro Chem USA)

10783	Ventura–Supply Anchors	2/79
11364	Ventura Repairs to F701 reformer	1/80
A	Repairs to F701 transfer line	
B	Repairs to S702 boiler	
11861	Ventura Repairs to oil heater	11/80
11886	Ventura Repairs to heater F602	11/80
11905	Ventura Repairs to F20 furnace	12/80
13675	Ventura CA Repairs to F601 Heater and 4 Hydrogen Reactors	10-84

USA PETRO CHEMICAL

9376	Ventura - Repairs to Selas Roof	7/76
9458	Ventura - Repairs to Selas Furnace	9/76
10046	Ventura - Install Ceramic Fiber Arch on Selas Reformer	10/77
"A"	Scaffolding	
10933	Ventura - Repairs to S501 Boiler	5/79

UNITED STATES ARMY

6959 - See MacMen, Inc.
Beeson Bros., Inc.
Camp Cook - Lompoc, Calif.
Boiler Brickwork Repairs

UNITED STATES BORAX & CHEMICAL CORPORATION
PACIFIC COAST BORAX COMPANY (former name)

152 - Wilmington - Two (2) B. & W. Boilers

206 - Wilmington - Insulation on Boiler Drums

207 - Insulating Feed Water Heater

292 - Wilmington - Insulating Four (4) Kettles

410 - Wilmington - One (1) Borax Glass Furnace

442 - Wilmington - Repairs to Glass Furnace

2132 - See C. C. Moore & Co. Engineers
Mormon Island - Two (2) B. & W. Boilers

2257 - Wilmington - Repairs to Two (2) B. & W. Boilers

2292 - Wilmington - Repairs to Borax Furnace

2314 - Kramer - 6' x 10' Dutch Oven

2435 - Wilmington - Incinerator

2447 - Wilmington - Repairs to Glass Furnace

2774 - See C. C. Moore & Co. Engineers
Boiler Repairs

2854 - Fused Rasorite Furnace

2902 - Amargo, Calif. - Reline Calciner

2959 - Wilmington - Rebuild Glass Furnace

3214 - Amargo, Calif. - Alterations to Rasorite Furnace

3407 - Wilmington - Reline Glass Furnace

3530 - Boron - Reline Rasorite Furnace and Repair Rotary Dryer

3594 - Wilmington - Repairs to Boilers #1 and #5 and Incinerator

3608 - Boron - To Rebuild Rasorite Fusing Furnace

3663 - Wilmington - Glass Furnace Repairs

3699 - Boron - Rebrick Beik Furnace

3798 - See C. C. Moore & Co. Engineers
Wilmington - Boiler Baffle Repairs

3815 - Wilmington - Brickwork Repairs to Boiler #3

3883 - Boron - Rebuild Beik (Rasorite) Furnace

3928 - Wilmington - Repair Baffle in #4 Boiler

4221 - Wilmington - Reline Cylindrical Air Heater

(contd.)

PACIFIC COAST BORAX COMPANY (contd.)

4413 - See C. C. Moore & Co. Engineers
Wilmington - Construct Incinerator & Stack

4482 - See C. C. Moore & Co. Engineers
Boron - Boric Acid Plant
Brick Settings for One (1) B. & W. Boiler and
One (1) Llewellyn Boiler

4611 - See C. C. Moore & Co. Engineers
Boron - Pipe Insulation

4633 - 4633 - Boron - Rebrick Beik Furnace (Rasorite)

4643 - See C. C. Moore & Co. Engineers
Boron - Dryer Furnace Brickwork

5099 - Boron - Reline Fused Rasorite Furnace

5219 - Wilmington - Rebuild Borax Glass Furnace

5338 - Boron - Rebuild Rasorite Furnace
(Cancelled--See Job No. 5387)

5371 - See C. C. Moore & Co. Engineers
Brickwork - 4'-0" x 5'-0" Experimental
Borax Melting Furnace

5387 - Boron - Rebrick Fused Rasorite Furnace

5572 & (A) - Wilmington - Install Brickwork in Borax
Fusing Furnace

5629 & (A) - Boron - Rebrick Beik Furnace and Repairs
to Calciner #6
(B) - Repairs to Brickwork in Calciner #6

5706 - See C. C. Moore & Co. Engineers
Wilmington - Brick Setting - One (1) Single
Class H-4 No. 24 Boiler

5733 - Boron - Fabricate and Install One (1) Air Heating
Furnace

5824 - Boron - Rebrick Beik Furnace

5829 - See Western Process Equipment Co.
Boron - Install Acid-Proof Brick Lining in
Two (2) 11'-8" x 10'-9" Reactor Tanks

5868 - Wilmington - Repairs to Fusion Furnace

5913 - Wilmington - Rebuild Glass Furnace

(contd.)

PACIFIC COAST BORAX COMPANY (contd.)

5928 - Wilmington - Repairs to Fusion Furnace #2

5986 - Wilmington - Repairs to Furnace

6034 - See C. C. Moore & Co. Engineers
Boron - To Install Refractories in Two (2) Borax Fusing Furnaces, the Ducts and Mixing Chambers
(A) - Brickwork for Steamaster Boiler

6060 - Wilmington - Repairs to Furnace
(A) - Repairs to Furnace (no material)
(B) - To Patch Furnace .

6063 - Boron - To Rebrick Beik Furnace

6101 - Wilmington - #2 A. D. Furnace Repairs
(A) - Repairs to #1 Furnace with Quigley Gun

6119 - Wilmington - Repairs to #1 Fusion Furnace
(A) - Change Burner in Furnace

6204 - Wilmington - To Patch Furnace
(A) - Repairs to #1 Furnace
(B) - To Patch #1 Furnace

6213 - Boron - To Reline Beik Furnace

6279 - Wilmington - Repairs to B&W Boilers #1 and #2

6328 - Wilmington - To Patch #1 Furnace
(A) - #1 Furnace - Overhaul Roof & Back Wall & Flue
(B) - #2 Furnace - To Repair with Quigley Gun
(C) - #1 Furnace - To Point Up

6356 - Wilmington - Repairs to Boilers #4 and #5

6404 - Wilmington - Repairs to #2 A. B. Furnace
(A) - To Patch #1 A. B. Furnace

6424 - Boron - To Reline Beik Furnace

6437 - Wilmington - Necessary Repairs to #1 & #2 Blrs.
(A) - To Patch #1 A. B. Furnace
(B) - To Patch #2 A. B. Furnace
(C) - #1 and #2 A. B. Furnaces - To Patch

6471 - Wilmington - To Repair #1 A. B. Furnace
(A) - To Patch #2 A. B. Furnace

6479 - Wilmington - Repairs to #2 A. B. Furnace
(A) - To Brick #2 Furn. Discharge Spout. (B) To Patch #1, #2 A.B. Furns.

(contd.)

PACIFIC COAST BORAX COMPANY (contd.)

6545 - Wilmington - Repairs to Furnace #1 A. B.
(A) - Repairs to #2 A. B. Furnace
(B) - To Patch #1 A. B. Furnace with Quigley Gun

6613 - Wilmington - Repairs to #1 A. B. Furnace
(A) - #2 A. B. Furnace - Brickwork Repairs
(B) - #2 Anhydrous Borax Furnace - To Install One (1) Special Van Type Burner

6637 - Wilmington - Repairs to #2 A. B. Furnace
(A) - To Patch #1 A. B. Furnace with Quigley Gun
(B) - Patch #1 A. B. Furnace with Quigley Gun

6727 - Wilmington - Necessary Repairs to #1AB Furnace
(A) - Necessary Repairs to #2 A. B. Furnace

6791 - Wilmington - Complete Overhaul of #2 A. B. Furnace, Renewing Front and Back Walls, both Side Walls and Three-Fourths (3/4ths) of Roof
(A) - Repair #1 A. B. Furnace with Quigley Gun
(B) - Repair #1 A. B. Furnace
(C) - Labor to Install Brickwork in Dog House

6824 - Wilmington - To Patch #2 A. B. Furnace
(A) - To Patch #2 Furnace (D) - #1 Furnace Repairs
(B) - To Renew Roof and Corhart Tile in Doghouse and Line up Side Walls (E) - #1 & #2 A.B. Furnaces
(C) - To Patch #1 Heater for month of April

6886 - Wilmington - To Renew all Brickwork in #1 A. B. Furnace, including Dog House
(A) - To Patch Furnaces for Month of August
(B) - Patch Furnaces for Month of September

6968 - Wilmington - To Reline A. B. Furnace #2
(A) - Brickwork Repairs to #1 A. B. Furnace

7040 - Wilmington - To Repair #1 and #2 A. B. Furnaces for November and December
(A) - Patch #1 A.B. and #2 A.B. Furnaces for January
7083 - Wilmington - To Repair #1 A. B. Furnace

7130 - Wilmington - To Patch #1 A.B. & #2 A.B. Furnaces for the Month of March
(A) - To Repair #3 A.B. Furnace
(B) - To Patch #1 A.B. and #2 A.B. Furnaces

7163 - Wilmington - To Repair #2 A.B. Furnace
(A) - To Repair #1 A.B. Furnace
(B) - Brickwork Repairs

PACIFIC COAST BORAX COMPANY (Contd.)

7191 - Wilmington - Patch #3 AB Furnace for May
(A) - To Repair #3 A.B. Furnace
(B) - To Repair #1 and #2 A.B. Furnaces
(C) - To Repair #3 A.B. Furnace
(D) - To Repair A.B.A. Furnace

7233 - Wilmington - To Repair #1 A.B. Furnace
(A) - To Repair #2 A.B. Furnace
(B) - To Repair #1 A.B. Furnace for July
(C) - To Repair #1 A.B. Furnace for August & #2 A.B.
(D) - To Repair #3 A.B. Furnace
(E) - Repair #1 & #2 A.B. Furnaces

7289 - San Pedro - Repairs to #1 A.B. Furnace
(A) - Hot Air Heater
(B) - Line Air Heater
(C) - Repair #2 A.B. Furnace

7343 - Wilmington - Necessary Repairs to #1 A. B. Furnace
(A) - To Repair #2 A.B. Furnace
(B) - To Rebrick #3 A. B. Furnace
(C) - To Repair #1 A. B. Furnace
(D) - Minor Repairs to #1 A.B. Furnace

7401 - Wilmington - Repair No. 1 Furnace
(A) - Patch #2 and #3 Furnaces
(B) - Repairs to #3 A.B. Furnace

7476 - Wilmington - Necessary Repairs to #1 A. B. Furnace
(A) - Necessary Repairs to #2 A.B. Furnace
(B) - Necessary Repairs to #3 A.B. Furnace
(C) - To Build Door in #1 A.B. Furnace
(D) - Necessary Repairs to Melting Furnace in Boiler House
(E) - To Patch #2 A.B. Furnace for May

*** (see below) 7548 - Wilmington - Patch #2 A.B. Furnace for June

7644 - Wilmington - Necessary Repairs to #3 A.B. Furnace
(A) - Patch #1 A.B. Furnace
(B) - Repairs to #2 A.B. Furnace
(C) - " to #3 A.B. Furnace
(D) - " to #1 A.B. Furnace
(E) - To Patch A.B. Furnace for Nov.
(F) - Necess. Brickwork to Rotary Burner
(G) - " Repairs to Melting Furnace

*** 7548 (A) - Repairs to #2 A.B. Furnace

(contd.)

b

PACIFIC COAST BORAX COMPANY (contd.)

7548 -(Continued)
(B) - Repairs to #3 A.B. Furnace
(C) - Repairs to #2 A.B. Furnace
(D) - Repairs to #2 and #3 A. B. Furnaces
(E) - Necessary Repairs to P. C. Furnace
(F) - #3 Furnace Repairs
(G) - #3 A. B. Furnace
(H) - #1 A.B. Furnace Repairs
(I) - #2 A. B. Furnace Repairs
(J) #3 A.B. Furnace Repairs

7746 - Wilmington - Necessary Repairs to #1 A.B. Furnace
(a) - #3 A. B. Furnace
(B) - To Reline Experimental Rotary Furnace
(C) - To Patch #3 A. B. Furnace

7856 - Wilmington - Patch #1,2 & 3 AB Furnaces for June
(A) #1 A. B. Furnace
(b) A.B.A. Furnace
(C) #2 A. B. Furnace
(D) #3 A. B. Furnace
(E) Extra Work #1 A. B. Furnace
(F) To Patch #3 AB Furnace for Sept.
(G) To Repair ABA Furnace

7867 - Wilmington

Remodel #1 Borax Furnace

7974 - Boron, California - To Line 35" dia. x30'-0" long Rotary Dryer

7977 - Wilmington - To Patch #3 A.B. Furnace for October
(A) - Overhaul #3AB Furnace
(B) - Overhaul #2AB Furnace
(C) - Patch #1 A.B. Furnace for November
(D) - To Repair #3 A. B. Furnace
(E) - To Repair #2 A. B. Furnace
(F) - To Patch #3 A. B. Furnace for December
(G) - To Patch #3 A. B. Furnace for January
(H) - To Repair A. B. A. Furnace

8057 - Wilmington - Neces. Repairs to #3 A. B. Furnace
(A) - To Repair #1 Furnace
(B) - To Repair #2 A.B. Furnace
(C) - To Repair #2 A. & B. Furnaces
(D) - To Repair #2 A. & B. Furnaces
(E) - To Point Up #3 A. B. Furnace
(F) - To Patch #2 A.B. Furnace

(contd)

PACIFIC COAST BORAX COMPANY: (contd.)

8057 - (contd.)
(G) - To Repair #3 A.B. Furnace
(H) - To Repair #1 A.B. Furnace
(I) - To Repair #3 A.B. Furnace
(J) - To Patch #2 A.B. Furnace for Month of June
(K) - To Repair A.B.A. Furnace in Boiler House

8165 - Wilmington - Neces. Repairs to #3 A.B. Furnace
(A) - Repair #2 A.B. Furnace
(B) - Patch #1 A.B. Furnace
(C) - Repair #2 A.B. Furnace
(D) - Repair #1 A.B. Furnace
(E) - Repair #3 A.B. Furnace
(F) - Repair #2 A.B. Furnace
(G) - Patch Incinerator
(H) - Patch #2 A. B. & #3 A. B. Furnaces
(I) - Minor Repair Work to #3 A.B. Furnace
(J) - Brickwork Repairs to #2 A. B. Furnace

8286 - Wilmington - Necessary Repairs for #3 A.B. Furnace
(A) - Patch #2 A.B. for November
(B) - Patch #2 A.B. for December
(D) - Rebuild #2 A. B. Furnace
(C) - Repair Mixing Chamber, #1 A.B. Furnace
(E) -

8300 - Wilmington - Remodel #2 Borax Furnace

8328 - Division of Borax Consolidated, Ltd. - Wilmington
Patch #3 A.B. Furnace for January
(A) - Repair Front Wall of #2 A.B. Furnace
(B) - Repair #3 A. B. Furnace
(C) - Repairs to P. C. Furnace

8405 - Wilmington - Repairs to #3 A.B. Furnace

8409 - Wilmington - Repairs to #1 A.B. Furnace

8438 - Wilmington - Patch around the Duct of #2 Furnace & Misc. Repair Work for the Month of April

8450 - Division of Borax Consolidated, Ltd. - Wilmington
Labor & Insulation to Install Moissan Furnace H10-1 at Boron Pilot Plant
(A) - Ditto for Upgrading Furnace H10-9

(contd.)

PACIFIC COAST BORAX COMPANY (contd.)

8475 - Wilmington - Repair #3 A.B. Furnace

8494 - Wilmington - Insulation Work on Elemental Boron Plant
(A) - Brickwork Repairs to Moissan Furnace in Boron Pilot Plant

8507 - Wilmington - Repairs to Experimental Elemental Boron Furnace
(A) - Repairs to A.B.A. Furnace
(B) - Boron Pilot Plant
(C) - Patch #3 A.B. Furnace
(D) - Patch #1 & #2 Air Mixer Furnaces

8563 - Wilmington - Repairs to Incinerator

8596 - Wilmington - Patch #3 A.B. Furnace
(A) - Elemental Boron Upgrading Furnace
(B) - Patch #2 A.B. Furnace for the Month of October
(C) - #2 A. B. Furnace Repairs

8619 - Wilmington - Repairs to No. 2 A.B. Furnace
(A) - Patch #3 A.B. Furnace for October
(B) - Patch Roof on Boron Pilot Furnace
(C) - Patch #3 A.B. Furnace for November
(D) - Repairs to Incinerator

8639 - Wilmington - Patch #3 A.B. Furnace for November
(A) - Rebrick #3 A.B. Furnace
(B) - Repair A.B.A. Furnace
(C) - Repair El Boron Furnace at Wilmington

8721 - Wilmington - Patch the Mixing Chamber of #2 A.B. Furnace
(A) - Patch #2A.B. Furnace
(B) - Repair Mixing Chamber #2A.B. Furnace
(C) - Repair #2 A.B. Furnace for Month of April

8774 - See Sweco-Twaits (Joint Venture) - Material to Construct Two (2) Thorpe A.B. Furnaces
Boron -/
(A) - Labor on above (B)Lower Side Walls on Two Thorpe Furnaces

8776 - Wilmington - Repair #3 A.B. Furnace
(A) - Repairs to Incinerator
(B) - Repair #3 A.B. Furnace
(C) - Minor Repairs to A.B. Furnaces for Month of June

(contd.)

UNITED STATES BORAX & CHEMICAL CORPORATION
PACIFIC COAST BORAX COMPANY (contd.) (former name)

8809 - Wilmington - Patch #2 A.B. Furnace for May

8848 - Pacific Coast Borax Company - Wilmington
Major Repairs to #1 A. B. Furnace
(A) - Minor Repairs to A.B. Furnaces for July

8856 - See Sweco-Twaits
Boron - Furnish Combustion and Control Equipment for Two (2) Industrial Furnaces, Inc. Borax Furnaces
(A) - Furnish Labor to Install Combustion and Control Equipment for Two (2) Industrial Furnaces, Inc. Borax Furnaces

8883 - Wilmington - Major Repairs to #2 A.B. Furnace
(A) - Minor Repairs to A.B. Furnace for the Month of August

8965 - Wilmington - Repairs to #3 A.B. Furnace
(A) - Minor Repairs to A.B. Furnaces for October
(B) - Repairs to #3 A.B. Furnace

9010 - Wilmington - Repairs to A.B. Furnaces for Month of November
(A) - #3 A.B. Furnace Repairs
(B) - Repair Incinerator

9056 - Wilmington - Minor Repairs to A.B. Furnaces for December
(A) - Minor Repairs to A.B. Furnace For January
(B) - Repairs to #3 A.B. Furnace

9106 - Div. of U.S. Borax & Chemical Corp. -Wilmington
Minor Repairs to A.B. Furnaces
(A) - Repair #3 A.B. Furnace
(B) - Minor Repairs to A.B. Furnace for Month of March
(C) - Patching for Month of April

9201 -Wilmington - Minor Repairs to A.B. Furnace for May
(A) - Major Repairs on #3 A.B. Furnaces
(B) - Minor Repairs to A.B. Furnaces for June

9193 - Boron - Repair #1 RA Plant Furnace

(contd.)

UNITED STATES BORAX & CHEMICAL CORP. (CONTD.)

9293 - Wilmington - Minor Repairs to A.B. Furnaces for Month of July
(A) - Major Repairs to #1 A.B. Furnace
(B) - Major Repairs to #3 A.B. Furnace

9343 - Wilmington - Minor Repairs to A.B. Furnaces for Month of August -
(A) - Minor Repairs to A.B. Furnaces for Month of September
(B) - Repairs to A.B. Furnaces for Month of October

9425 - Wilmington Minor Repairs to A.B. Furnaces for Month of November

9446 - Boron - Furnish Alloy Borax Outlet Pipe for One (1) ~~Two (2)~~ #1 Thorpe Borax Melting Furnaces
(A) - Outlet Tube for #2 Thorpe Borax Furnace
(B) - Furnish Gas Louvers

9459 - Boron - Repair Side Wall of Furnace #2

9469 - Wilmington - Tear-out Brickwork Completely in #1AB, 2AB and 3AB Furnaces

9528 - Wilmington - Repairs to AA Furnace

9594 - Boron - Refractory Repairs to #1 Furnace at AR Plant

9698 - Wilmington - Repairs to ABA Furnace

9749 - Boron - Construct Experimental ABA Furnace in
(A) - Repairs to Brickwork at Pusher
(B) - Supply Add. Burner Equip. for above furnace
(C) - Install Slopping Arch & Flat Flame Burner in Experimental Furnace
per hour incinerator

9814 - Boron - Remodel ABA Treat Furnace
(A) - Move Flue to Side of Furnace above
(B) - Move Flue to Front of Furnace above & Add Side Burner

9839 - Boron - Jet-Crete Patches in #2 AR Furnace

(contd.)

UNITED STATES BORAX & CHEMICAL CORP. (CONTD.)

9866 Wilmington - Furnish Labor to Tear Out Moissan Furnace and Replace it at Boron Plant

9891 (Canceled) Boron - Modify #1 Furnace, Plant 5 for Melting Anhydrous Borax Acid

9952 Boron - Supply Combustion Control Equipment for Rotary Dryers
(A) Furnish Three Combustion Boxes

9964 Boron - Construct 20 ton ABA Furnace

9973 Wilmington - Repairs to Spray Dry Plant Furnace

1025 Boron - Repairs to #1 AB Furnace

1042 Wilmington - Repairs to Sodium Sulphate Furnace
(A) Rebrik Sodium Sulphate Furnace

1062 Boron - Rebrick #2 AB Furnace
(A) Repair Discharge Spout #3 AB Furnace

1186 Wilmington - Repairs to Sodium Sulphate Burner
(A) Repairs to Anhydrite Sodium Furnace

1243 Wilmington - Necessary Repairs to #4 Boiler & #5 Boiler

1274 Boron - Reline Mixing Chamber in #1AB Furnace

1349 - Wilmington - Necessary repairs to Salt Coke Furnace
(A) - Necessary repairs to Salt Cake Furnace
(B) - Necessary repairs to Salt Cake Furnace

1371 - Wilmington - Necessary repairs to #2 Boiler

1392 - Wilmington - Necessary repairs to #4 Boiler

1461 - Wilmington - Necessary repairs to #1 Boiler

1523 - Boron - Repairs to #2 AB Furnace
(A) - Labor only to repair #1AB Furnace

1541 - Wilmington - Necessary repairs to Salt Coke Furnace
(A) - Necessary repairs to Salt Coke Furnace

1550 - Boron - Rebrick #2 AB Furnace

1593 - Wilmington - Necessary repairs to ABA Furnace

1624 - Wilmington - Repairs to #3 Boiler

UNITED STATES BORAX & CHEMICAL CORP (Continued)

1677 - See Standard Steel Corp - Los Angeles
Install Lining in Air Heater Furnace

1678 - Boron - Labor only to repair Refractory lining
#4 Furnace Plant #5 - Gunite the Furnace Arch
(A) - Premium Time and Authorized Extra Work

1683 - Wilmington - Renew Front Wall on Boiler #4
and Patch Corbel.

2006 - See C. F Braun & Co - Boron, Calif
Design and Construct #5 Furnace, Plant #5

2007 - Wilmington - Necessary repairs to BC Furnace

2009 - Wilmington - Repairs to Bridge Wall of Boiler #1
Renew Baffle West Side of Ffont Burner

2028 - Boron - Furnish labor only to repair #1 and
#2 Furnaces in AR Plant.

2159 - Boron - Repairs to #1 AB Furnace Plant 5
Cast Curtain Wall

2175 - Wilmington - Repairs to #5 Boiler

2242 - Boron - Rebrick #2 AB Furnace. Supply Stainless
Steel Angles and Bolts for curtain Wall

2300 - Wilmington - Necessary repairs to #1 Boiler

2313 - Boron - Rebrick #1AB Furnace; Supply Stainless
Steel Angles & Bolts for Curtain Wall
(A)- Repairs to #5 Furnace
(B) - Repair Mixing Chamber #4AB Furnace, Plant #5

UNITED STATES BORAX & CHEMICAL CORP (Continued)

2330 - Boron - Construct 4 Air Heating Furnaces Wessmont

2341 - Boron -
Install Forced Air Cooling System
#1 Furnace, Plant #5

2396 - Wilmington
Necessary repairs to ABA Furnace

2408 - Wilmington
Repair #4 Boiler

2414 - Boron
Install 10" MSA Arch in #2AR Furnace
(A) - Repairs to #1 RA Furnace

2432 - Wilmington
Necessary repairs to #5 Boiler

2455 - Boron
Rebuild Arch and Repair Walls #5 Furnace

2461 - Boron
Install Castable Arch and Repair Brickwork
on #4 AB Furnace, Plant #5

2521 - Boron
Repair Curtain Walls, #2AB Furnace, Plant #5
(A) - Repairs to #1AB Furnace Plant #5

CANCELLED 2541 - Boron
Install 10" MSA Arch in #1RA Furnace
See Job 2772

2596 = Boron
2586 - Repairs to #1RA Furnace, Old Plant

(Continued next page)

UNITED STATES BORAX & CHEMICAL CORP (Continued)

2602 - Wilmington
Necessary repairs to Salt Cake Furnace

2615 - Boron
Furnish forced draft fan and ductwork for #2AB Furnace

2624 - Boron
Gunite repair work on #5AB Furnace

2639 - Boron
Install 10" MSA Arch in #2AB Furnace, Plant #5 and rebrick front wall and gas mixing chambers.

2711 - Boron
Install Curtain Wall and make miscellaneous repairs to #1AB Furnace, Plant #5

2744 - Boron
Install 10" MSA Arch in #5AB Furnace, Plant #5

(A)- #1RA Furnace - Hot Patch

(B)- Install 6 Roof Burners in Line 5, Plant #5

2765 - Wilmington
Repair #2 Boiler

2772 - Boron
Install 10" MSA Arch on #1RA Furnace - Old Plant

2794 - Boron
Furnish Air Cooling System, #1AR Furnace

2853 - Boron
Furnish and erect three (3) Wyssmont Air Heating Furnaces

2869 - Boron
Repair #1AB Furnace and Install
10" MSA Detrick Arch
(A) - Repair #5AB Furnace
(B) - Repair #3 AB Furnace

2883 - Boron
Repairs to #2AB Furnace

2886 - Boron
Repairs to #2AB Furnace, Plant #5

2898 - Wilmington
Repairs to Spray Dry Furnace

2902 - Wilmington
Replace Burner Tile on Salt Cake Furnace
(A) - Replace Burner Tile on Salt Cake Furnace

2903 - Boron
Repair burners and front wall of Boiler #4
(A) - Repairs to Boiler #4
(B) - Repairs to Boiler #4

2923 - Boron
Furnace #3AB, Plant #5
Apply castable over old castable arch.

2942 - Boron
Repairs to #2AR Furnace (old plant)

2944 - Boron
Furnish cooling fans and ductwork for
#2, #3, #4 and #5 Furnaces

2955 - Boron
Repairs to #5AB Furnace

UNITED STATES BORAX & CHEMICAL CORP (Continued)

2956 - Wilmington
Repairs to #1 Boiler

2959 - Wilmington
Gunite Baffle and Patch Wall #2 Boiler

3011 - Wilmington
Repairs to #5 Boiler Fire Box Refractories

3059 - Boron
Rebuild #5AB Furnace Plant #5, with high arch and side feeders
CANCELLED
(see Job 3153)

3069 - Boron
Rebrick #4AB Furnace Plant #5 with Purocast Gunite Roof
(A) - Miscellaneous repairs to #1RA Furnace, Old Plant.
(B) - Labor to Gunite repair #1AB Furnace

3075 - Wilmington
Repairs to #4 Boiler

3108 - Boron - Repairs to #5AB Furnace
(A) - Repairs to #2AB Furnace
(B) - Repairs to #2RA Furnace

3128 Wilmington
Repairs to #3 Boiler
(A) Repairs to Dryer.
(B) Pound Plastic on ABA Furnace

3153 Boron
Labor only to replace roof on #5AB Furnace

3154 Boron
Supply and install roof combustion system for #5AB Furnace

3170 - C F Braun and Co.
Boron
Design and construct #6AB Melting Furnace
(A) Engineering & consulting services for examination of furnace

3178 - Wilmington
Necessary repairs to #6 Boiler

3183 - Boron
Furnish Cooling System for #2AR Furnace

3184 - Boron
Rebrick #2AB and install new MSA arch.
(A) - Remove and re-cast hanging side walls on #1AB.
(B) - Install extra feeder openings in #5AB

3216 - Boron
Supply 30 Stainless Steel Curtain Wall Angles
(A) - Supply Christmas Tree Anchors
(B) - Supply Additional Anchors and E Hangers
(C) - Supply 30 Stainless Steel Curtain Wall Angles

3222 - Wilmington
Construct 5 Ton ABA Furnace

3227 - Wilmington
Replace Burner Tile on Salt Cake Furnace

3228 - Boron
Rebuild #2 AR Furnace

3262 - Wilmington
Necessary repairs to ABA Furnace

3273 - Wilmington
To repair door on ABA Furnace

3278 - Boron
Miscellaneous repairs #1 RA Furnace

3288 - Wilmington
Replace burner tile in salt cake furnace
(A) - Same as the above job.

3307 - E GRANO STEEL CORPORATION
Boron
Labor furnished for grout work #6 Furnace

3310 - Boron
Gunite floor of mixing chamber, #1AB Furnace

3335 - Boron ( )
Pour Secondary roof #3AB, Plant 5

3346 - Boron
XX Brickwork repairs #1AB Furnace, install flat MSA arch

3363 - Boron
Install Secondary castable roof in #5AB furnace

3369 - Boron
Repairs to #3AB Furnace

3397 - Boron
Gunite repairs to #5AB Furnace, Plant 5

3439 - XXXXX Wilmington #2Boiler
repairs to #XXXXXXXXXXXXXXXXXXXXXX

3461 - Wilmington
Repairs to #6 Boilers

3466 - Boron
Repairs to #1 AR Furnace
(A) - Repairs to #2AB Furnace
(B) - Repairs to #2AB Furnace

3478 - Wilmington
Replace burner tile in salt cake furnace

3483 - Boron
Supply 60 Stainless steel curtain wall angles
(A) Supply 60 Stainless steel curtain wall angles
(B) Supply 50 stainless steel curtain wall angles

3496 - Boron
Repairs to #2RA Furnace

U S BORAX & CHEMICAL CORPORATION

3524 Boron
Necessary repairs to #3AB Furnace
(A) Repair Boiler #1 (Rebuild Front)
(B) Pour secondary roof #4AB Furnace
(C) Supply tenax mortar and install refractory in 3 North American burner blocks for dryers at plants 2, 3 and 4

3530 Boron
Install burner blocks for dryers at Plant 2, 3 & 4

3548 Boron
Repair breeching #6AB Furnace

3568 Boron
Repairs to #5AB Furnace

3583 Boron
Brickwork repairs to #4AB Furnace

3597 Boron
Repairs to #1AB Furnace

3633 Boron
Major refractory repairs including installation of new MSA Detrick Arch on #1RA Furnace
(A) Gunite repairs to #2RA Furnace

~~3635 Boron~~
~~Design and construction and install 10 ft. extension on B203 pilot furnace~~

3647 Boron
Repairs to #2AB Furnace including new MSA Arch

3673 Boron
Repairs to #4AB Furnace

~~3733 Wilmington~~
~~Install burner tile in salt cake furnace~~

U S BORAX & CHEMICAL CORP

3730 Boron
C F Braun & Co Plant 26
Design and construct one B_2O_3 melting furnace

3733 Wilmington
Install burner tile in salt cake furnace

3739 Boron
Repairs To #3AB Furnace, Plant 5

3753 Boron
Repairs to #6AB furnace

3764 Wilmington
Repair 5-ton ABA furnace

3769 Boron
Repair mixing chamber floor #5 furnace and gunite repairs

3812 Boron
Major repair #1AB furnace, Plant 5

3859 Boron
Gunite repairs #4AB

(A) Gunite repairs #2AB

3875 Boron
Repairs to #5AB

3905 Boron
Repair #3 Boiler, labor and material

U S BORAX AND CHEMICAL CORP

3958 Wilmington
Supply and install burner in salt cake heater

3974 Boron
Furnish labor for necessary repairs #5AB furnace, install new MSA arch at high elevation and two new side burners

A) Furnish Kaowool and block ins.

3981 Wilmington.
Necessary repairs to #6 boiler

4002 Boron
Repairs to #6AB

4016 Boron
Repair #1 boiler

4034 Boron
Modify #1AB for ABA production.

4042 Wilmington
Repairs to PC furnace in boiler house

4047 Boron
#3AB furnace - pour new castable roof and make misc. repairs

6/66 4066 Boron
Repair #2AB furnace

4068 Boron
Brickwork repairs #4 boiler

4074 Boron
Supply Xmas tree and mixc. anchors and insulation

A) Furnish additional material

U S BORAX & CHEMICAL CORP

4106 Boron
Major rebuild #4AB

4176 Boron
Repair #1RA furnace
A) Repair #2RA furnace
B) Repair #1AB furnace

4185 Wilmington
Necessary repairs to 5 ton ABA furnace

4198 Wilmington
Repair salt cake furnace

4203 BORON
Repairs to #2 Boiler

4224 Boron
Repair #1AB furnace Plant 5

4239 Boron
Gunite repairs to #6AB furnace

4240 Boron
Major rebuild #2AB furnace

4244 Boron
C F BRAUN & CO
Acid brickwork repairs Plant 26

4250 Wilmington
Renew center wall between boiler #4 & #5

4265 Boron
Repairs to #5AB

(A) Patch roof of #6AB

4278 Boron
Repair boiler #4

4280 Boron
Repair #1AR furnace Plant 5

4292 Boron
Repair front wall #3AB furnace

4343 Boron
Repairs to curtain walls of #2AB furnace

4364 Boron
C. F. Braun & Co.
Furnish and install acid brickwork - feed preparation building

4381 Boron
Pour secondary roof #5AB

(A) Pour vermiculite on roof #1AB

(B) Pour vermiculite on roof #2AB

4449 Boron
Major rebuild #6AB furn, plant 5

4452 Boron
Air cooling system for rear wall #6AB furnace and new rear wall steel

(A) Furnish air cooling ducts for rear wall #6AB

4491 Boron
Repair #3AB furnace plant 5

4492 Boron
Repair #5AB furnace plant 5

4547 Boron
Minor repairs #4AB furn

4556 Boron
Labor and material as required B_2O_3 furn

(A) Rebuild doghouse
(B) Rebuild doghouse

4570 Boron
Furnish combustion and control equip

4578 Boron
Repair back wall and install expansion joints and rebuild skimmer - #6AB

4590 Wilmington
Repair #6 boiler

4599 Boron
Repairs to #2AB

4630 Boron
Repair boiler house

U S BORAX AND CHEMICAL CORP (Continued)

4649 Boron
Minor repairs #1AB

4704 Wilmington
Repairs to ABA furnace

4728 Boron
Repair #6AB.
(A) Roof repair #4AB
(B) Pour secondary roof #3AB

4744 Wilmington
Repair #2 boiler

4781 Boron
Repair #3AB furnace

4796 Wilmington
Relocate existing peepholes in ABA furnace

4812 Boron
Repair roof and curtain wall- #2AB furnace

4849 Boron
Repair #4AB furnace

4864 Boron
Minor repairs #6AB

4871 Boron
Rebuild sulphate dog house and #1 skimmer B_2O_3 furnace, Plant 26

4872 Boron
Minor repairs #1RA furnace.
A) Minor repairs #2RA furnace.

4874 Wilmington
Repair salt cake furnace

4901 Boron
Repair #5AB furnace.

4912 Boron
Minor repairs #1AB furnace

4940 Boron
Repairs to #2AB Furnace

5039 Boron
Repair #2AB Furnace
A) Repair #6AB Furnace

5059 Boron
Repair #5AB Furnace

5066 Boron
Rebrick Thorpe 25, 000#/hr air heater

5067 Boron
Repair #1AB Furnace
A) Repair roof #4AB

5089 Boron
Repair #3AB (Secondary roof)
A) Repairs to #1RA Furnace

5107 Boron
Repair B_2O_3 Furnace Plant #26

5168 Boron
Furnish material and equipment (5/68)

5196 Boron
Repairs to #1AB (6/68)

5197 Boron
Repairs to #5AB (6/68)

5198 Boron
Repairs to #3AB (6/68)

5199 Boron (6/68)

5201 Boron
Supply material for NAz SO4
Hour Glass Doghouse, Plant 26
"A" Engineering for Above. (6/68)
"B" Supply Roof Burners for
Hour Glass Doghouse.
"C" Supply Hour Glass Dog (6/68)
House Steel 7/20

5214 Boron
Repairs to #2AB furnace (6/68)

5215 Boron
Repairs to #4AB (6/68)

5244 Boron
Repairs to #2RA (7/68)

5269 Boron
Repairs to #1RA furnace.

5273 Boron
B2O3 furnace. Repairs to doghouse.

5281 Boron
Repairs to #4AB furnace.

5306 Boron
Repairs to roof of #1AB.
"A" Repairs to #2AB.

5309	Boron
	Repairs to 5AB furnace.
5329	Boron
	Repair B_2O_3 furnace, plant 26.
"A"	Repair #1RA furnace.
5364	Boron
	Repair sidewall #1AB furnace, plant 5.
"A"	Repari roof #3AB furnace.
"B"	Repair 40, 000 #/HR air heater.
"C"	Repair 2500 #/HR air heating furnace.
5371	Wilmington
	Repair PC furnace.
5380	Boron
	Repair #6AB furnace.
5381	Boron
	Repair #1AR furnace.
5416	Wilmington
	Remodel ABA furnace for increased capacity.
5421	Boron
	Secondary roof on #2AB.
"A"	Repairs to #5AB furnace.
5422	Boron
	(B_2O_3)
"A"	Furnish material.
"B"	Furnish material.
5431	Boron
	Repair #2 RA furnace.
5444	Boron
	Install new MSA13 arch in #2AB furnace.
"A"	Minor repairs #6AB.
"B"	Minor repairs #5AB.
5445	Boron
	Repair castable arch in #3AB furnace.
"A"	Repair steam explosion #3AB.

U. S. BORAX AND CHEMICAL CORPORATION

(Continued)

5504	Boron Repair #1 R A Furnace	12/68 HWB
5506	Boron Repair #1 A B Furnace	12/68 HWB
5507	Boron Repair #5 A B Furnace	12/68 HWB
5510	Boron Repair #4 AB	12/68 HWB
5540	Jacobs Engineering Boron Design and Construct New #7AB Furnace	1/23/69 W.O.
5553	Boron Repair #1RA	1/30/69 HWB
5554	Boron Major Rebuild #6AB	1/30/69 HWB
5559	Boron Repair Doghouse B_2O_3 Furnace	1/31/69 HWB
5612	Boron Repair doghouse Plant 26	3/69 WO'
5614	Boron Major repairs #1AB furnace Plant 5	3/69 WO
5629	Wilmington Repair #5 boiler	3/69 WO

5634	Wilmington Line carbon steel flue with castable refractory	3/69 WO
5640	Boron Repair #2AB furnace	4/69 WO
5653	Boron Pour secondary roof #3 AB furnace	4/69 HWB
5658	Boron Major repairs to #1 RA furn.	4/69
5659	Boron Repair B_2O_3 furn. plant 26	4/69
5678	Boron Move burner from bottom to side on #2 air heater	4/69 HWB
5721	Boron Cancel see J-5724 A Furnish Matl. (for 3AB)	5/27/69
5723	Boron Rebuild curtain wall #1AB Furnace	5/29/69
5724	Boron Install new poured castable roofl #3@AB	5/29/69
5725	Boron Remove and replace doghouse cover Furnace # 26	5/29/69
5750	Boron ~~XXXXXX~~Repair #2 AB furnace	6/12/69
5751	Boron Drill sample holes in stack of #6AB furnace	6/12/69
5754	Boron #3 AB furn. Repair mixing chamber floor	6/16/69

U S BORAX AND CHEMICAL CO° continued

5756 Boron 5 6/16/69
Repairs to # 2AB

5770 Boron 6-25-69
Install new burner tile in #2
air heater

5802 Boron 7/69
Repair ABA pilot plant furnace

5803 Boron 7/69
Provide field svces to check out and
repair hydraulic system for damper control
B_2O_3 furn. Plant 26

5809 Boron 7/28
Repair # 2 RA Furnace old plant
Shoot secondary roof

5810 Boron 7/28
Repair # 2AB Furnace Plant 5
Gunite roof repairs

5813 Boron 7/29
Repair # 3 Air Heater

5830 Boron 8/7
1AB Replace secondary roof

5833 Boron 8/8
Repair # 1RA Furnace

5839 U SBorax 8/12/69
Boron
Gunite Secondary Roof # 5AB Furnace

5852 Boron 8/21/69
Repair front wall of B_2O_3 Furn.
Plant 26

U S BORAX AND CHEMICAL CO (continued)

5854 Boron 8/22/69
Repair air heater Plant # 4

5867 Boron 8/29
Supervision and labor to inventory
and organize refractory material

5875 Boron 9/4
Repair air heater # 2 Plant # 4

5885 Boron 9/12
to Gunite # 1 Furnace Plant # 5

5900 Boron 9/22
Repairs # 6AB Furnace
Plant 5

5917 Boron 10/2
Minor repairs to roof of # 5 +
minor repairs to mixing chamber floor

5935 Wilmington 10/10
Reline Forge Furnace

5938 Boron 10/13
Repairs on Experimental Furnace

5940 Boron 10/14
Install Secondary roof on # 2
R A Furnace

5941 Boron 10/14
Repairs to # 2 Air Heater Plant # 4

5947 Jacobs Engineering 10/16
Boron
Cement Block

5948 Boron 10/16
Repairs to # 3AB Furnace Plant 5
Secondary Roof + Minor Repairs inside

U S BORAX AND CHEMICAL CORP (CONT)

5957	Boron Minor gunite repairs to inside of furnace and roof #1 furnace Plant #5	10/69
5976	Boron Repair hole mixing chamber roof and minor repairs 4AB Plant #5	11/69
5981	Boron Patch roof #3AB furnace Plant #5	11/69 WO
5982	Boron Plant #26 repairs to doghouse	11/69 WO
5986	Boron Repairs to #3AB furnace	11/69 WO
5991	Wilmington Repair AB furnace	11/69 WO
5996	Boron Repair burner ring on calciner #5	11/69 WO
5997	Boron Major repair to 5AB furnace	11/69 WO
6006	Boron Repair boiler 5, power house	12/69 WO
6024	Boron - Rebuild #1AB	12/69
6036	Jacobs Engineering Boron - Install brick floor in chill roll #7AB Furhace	12/69
6043	Boron - #2RA Furn. Patch floor in mixing chamber	12/69

U S BORAX AND CHEMICAL CORP (Cont'd)

(NOTE: Boron - unless otherwise indicated)

6044	#1RA Furnace - patch roof #2RA Furnace - repr hole in floor	12/69
6051	Replace throat of Thorpe Air Heater Plant 234	12/69
6054	(Wilm.) Repair ABA Furnace	12/69
6056	Rep #2 Air Heater, Plant 4	12/69
6057	Rep Plant 26 ABA Furnace	12/69
6068	#2AB - major rebuild	1/70
6118	Rep #2 Air Heater, Plant 4	2/70
6124	#6AB Furnace - plant 5	2/70
6147	#3AB Furnace - repair	3/70
6148	#4AB Furnace - install secondary roof	3/70
6149	Plant 26 - repairs	3/70
6171	#1RA Furnace - repair	3/70
6172	#2RA Furnace - major repairs	3/70
6180	Repair Secondary roof # 3AB furn Plant 5	3/70
6185	Plant 26 Repair (patch doghouse)	4/70
6187	Wilmington Install burner tile sulphate dryer furn.	4/70
6202	Boron Major repairs # 6AB Plant 5	
6204	Repair leak at front wall of plant 26	
6212	Major repairs line 4 plant 5	

U S BORAX AND CHEMICAL CORP continued.

6216	Boron Repair # 1AB furnace plant 5	4/70
6241	Repair doghouse plant 26	5/70
6257	Repair #2 air heater plant 4 dryer	
6263	Repairs to doghouse + sloping floor	
6275	Repair #3AB furnace plant 5	
6282	Repair # 5 boiler	6/70
6284	Minor repairs # 1AB furn plant 5	
6285	Repair # 2AB plant 5	
6333	Minor repairs # 4AB plant 5	7/13
6361	Boron	8/70
	Repair plant 26 (doghouse)	
A	Repairs plant 26 furnace	
6365	Wilmington Repair # 2 boiler	
6373	Boron Minor repairs # 1 furn. plant # 5	
6382	#3 Boiler Repairs	8/70
6383	#5AB Furnace - Major repairs	8/70
6384	#2AB Furnace - repairs	8/70
6394	#7AB Furnace - repairs	9/70
6397	#1 Boiler - repairs	9/70

U S BORAX AND CHEMICAL CORP (cont'd)

6417	Wilmington - Replace burner mounting plates, burner tile and make refractory repairs.	9/70
6443	#2AB Furnace, remodel air mix chamber	10/70
6443A	Construct new mix chamber	
6446	#4AB Furnace - major repairs	10/70
6449	B2O3 Plant 26 - repairs	10/70
6450	ABA Furnace - repairs	10/70
6463	#3AB Furnace - repairs (Secondary roof)	11/70
6464	#5AB Furnace - minor repairs	11/70
6465	#2AB Furnace - minor repairs	11/70
6470	#2 Dryer, Plant 3 - repairs	11/70
6487	#6AB Furnace - repairs	11/70
6496	#5 Boiler - repairs	11/70
6503	#2 Boiler - minor repairs	12/70
6517	B2O3 Furnace, Plant 26 - pump insulation around burners	12/70
6529	#3 Air Heater - repairs	12/70
6530	Line 7 furnace - repairs	12/70
6531	#5 Boiler - repairs	12/70
6532	#1AR Furnace - major repairs	12/70
"A"	Complete Repairs #1 Furnace ARPlant	
6533	#2AR Furnace - minor repairs	12/70
"A"	Complete Repairs #2AR Furnace	

U S BORAX and CHEMICAL CORP (cont'd)

6548	B2O3 Furnace, Plant 26 - major repairs	1/71
6549	Updating Fusing Plant Furnace dwgs	1/71
6565	#1AB Furnace - minor repairs	1/71
6587	Major Repairs - #3AB Furnace, Plant 5	2/71
6593	#4AB Secondary Roof	2/71
6609	Minor Repairs #5AB	2/71
6611	Major Repair #2AB Furnace	3/71
6619 "A"	Major Repair Plant #26 Repair Doghouse Plant 26	2/71
6638	Design and install Scrubber System Duct work #6AB Furnace	3/71
6647	#6AB Furnace - Minor Repairs to Breeching	3/71
6661	Repair Air Heater #1, Plant 4, minor repairs	4/71
6682	#4AB Furnace Roof and front + Sidewalls	4/71
6712	Major Repairs #1AB Furnace	5/71
6728	Repair #1 Boiler	5/71
6729	Repair #5 AB Furnace	5/71
6730	Repair #7AB Furnace	5/71
6736	Repair #3 Boiler	6/71
6740	Repairs to #3AB Furnace	

6748	#7AB-Major Repairs	6/71
"A"	Repair #2 Burner - 7AB Furnace	6/71
6761	#1AB-Plant 5-Minor Repairs	6/71
6766	Minor Repairs to Discharge Chute-x #6AB Furnace	6/71
6780	#5AB Furnace-Secondary Roof	6/71
6786	Repair #5 Boiler	7/71
6793	Repair #5 Boiler	7/71
6797	Major Repairs to #1AB Furnace Plant 5	7/71
6813	#2AB Furnace - Minor Repairs	7/71
6814	#6AB Furnace-Minor Repairs	7/71
6824	Minor Repairs #4AB Furnace, Plant 5	7/71
6831	Repair Boiler #2 - Rear + Sidewalls and Burner Throat	8/71
6833	Minor Repairs #5 Furnace, Plant 5	8/71
6835	Repair #2 Boiler	8/71
6839	Repair #7 Furnace - Mixing Chamber Roof	8/13
6850	Repair Plant #26 Furnace	
"A"	Repair #26 Doghouse	
"B"	Labor to Line Ductowrk and Roof	8/71
"C"	Furn cooling air piping, front wall	
6860	Replace Tubes + Brickwork #3 Boiler	8/71

U S BORAX + CHEMICAL CORP (Continued)

6877	Wilmington Repairs to #5 Boiler	9/71
6883	Repairs to Line #5	9/71
6888	Labor to make Major Repairs to #5 Furnace at #5 Plant	9/71
6909	Install secondary roof-- #3AB Furnace	10/71
6920	#3AB Furnace--minor repairs to roof	10/71
6923	#4AB Furnace--hot patch repair	10/71
6925	Line 7 Furnace--Repair RA Discharge spout	10/71
"A"	Repair to scrubber--line 7	10/71
6935	Repairs to #1 RA Furnace	11/71
6938	Repair #4AB Furnace	11/71
6939	#2RA Furnace--repair to spout	11/71
6943	Repair #1AB Plant 5	11/71
6952	Repairs to #2AB Furnace, Plant #5	11/71
6955	Repair #4AB, Plant #5	11/71
6966	#7AB Furnace--Repairs	11/71
6972	Repair Plant 4, #2 Air Heater ✓	12/71
6980	Repair sloping hearth in ABA Furnace and ABA Discharge Spout Floor	12/71
6987	Repair RA Spout #1RA Furnace, Old Plant	12/71

U S BORAX AND CHEMICAL CORP (Continued)

7007	Repair #4AB Furnace Plant 5	1/72
7016	#2AB Furnace--Major Furn. Repairs	1/72
7024	#3AB Furnace, Plant 5, Minor Repairs	1/72
7029	Wilmington Repairs to ABA Furnace	1/72
7030	Major repairs to #1 Furnace, Plant 5, Line 1	1/72
7034 "A"	Repair Plant 26 B_2O_3 Furnace Repairs to Doghouse	1/72,
7043	Boron Repair #4AB, Plant 5	1/72
7044	Boron Repair #4AB, Plant 5	1/72
7052	Boron Repair Plant 5, Furnace 3AB	1/72
7055	Wilmington Repair Spray Dryer Furnace	1/72
7083	Boron Major Repairs #3AB Furnace	2/72
7097	Boron Repairs RA #2 Furnace - Old Plant	3/72
7103	Boron Repairs #3 Air Heater, Plant 4	3/72

U S BORAX + CHEMICAL CORPORATION (Contd)

7105 Boron
#3 Furnace - Plant 5 #B13 CURTAIN WALL 3/72

7107 Boron
Repair Around Burner - #7AB Furnace 3/72

7113 Wilmington
Repairs No. 4 Boiler 3/72

7117 Boron
Repairs to Airheater #2, Plant #3 3/72

7120 Boron
Design Air Pump + Syphening System D203 3/72

7121 Boron
Repairs #2 Furnace - Plant #5 3/72

7123 Boron
Provide Supervision and equipment necessary to make minor repairs to curtain walls, burner walls and breeching on #2 furnace main fusing plant. 3/72

7129 Boron
Labor, supervision and equipment to rebrick spout in #7 furnace, Plant 5 3.72

7130 Boron
Labor, supervision and equipment to make major refractory repairs to Line #4 Furnace Plant 5 3/72

7132 Wilmington
Rebrick Salt Cake Furnace 3/72

7138 Boron
Design and construct one elbow transition for No. 6 Furnace 3/72

U S BORAX + CHEMICAL CORPORATION (Contd)

7140	Boron Plant #28, ABA Dog House Repair	4/72
7142	Boron Repairs, Line 1 Furnace Old RA Plant	4/72
7143	Boron Minor Repairs Line 5 Furnace, Plant 5	4/72
7150	Boron Refractory Repairs, Line 6, Plant 5	
7162	Wilmington Repair #3 Boiler	4/72
7169 "A"	Boron Repair Plant 26 ABA Doghouse Furnace Repairs to Furnace Proper	4/72
7184	Boron Repairs to #2RA Furnace	5/72
7209	Boron Repair #1AB Furnace	5/72
7210	Boron Repair #7AB Furnace	5/72
7212	Boron Repair #2AB Furnace	5/72
7234	Boron Minor Repairs #6AB Plant 5	6/72
7248	Boron Minor Repairs Plant 26 Doghouse	6/72
7262	Bordon Minor repairs Plant 5 #3 furnance	6//29/72
	A- Repair on #5 boiler	7/5/72

dx 7264 Bordon
Design and material for new #1 AB air mixing chamber-plants. 6/29/72

7265 Bordon
Process design for increasing capacity of #5 AB furnace- plant 5 6/30/72

7273 Bordon
Minor repairs to #1 furnace, Plant 5 7/11/72

7280 Bordon
Repairs to #3 AB furnace 7/18/72

7286 Boron
Repairs to furnace #26 7/21/72
A- Repairs to dug house 7/26/72
B- Install Air lift and sidewall burner

7304 Wilmington
Repairs to #2 boiler 8/3/72

7310 Boron
Repairs #1RA furnace old plant 8/8/72

7325 Boron
Design and material for new #3AB air mixing chamber plant #5 8/23/72

7328 Boron
repair #4 furnace 8/24/72

7329 Boron
Repair #5 furnace plant 5 8/24/72

7338 Boron
Repairs to #4 boiler 9/1/72

7341 Boron
Repairs to furnace #2 9/6/72

7346 Boron
Line #1 AB furnace 9/16/72

U S BORAX ± CHEMICAL CORPORATION

7361	Boron Repairs to ABA Furnace Plant 26.	9/72
7363	Boron Plant #5, Repair #6 Furnace.	9/72
7369	Boron Repair furnace #2 Plant 5.	10/72
		10/72
7373	~~Boron~~ CANCELLED° SEE Jt J-7369 ~~Major repairs to #2AB Furnace.~~	10/72
7374	Boron Major repairs to #3AB Furnace.	10/72
7381	Boron Minor repairs #6AB.	10/72
7393	Boron Repair #4 Doghouse.	10/72
7394	Boron Repair #26 Doghouse.	10/72
7398	Boron Rebuild #26 Doghouse.	10/72
7400	Boron Repair to #6 furnace at Plant #5	10/72
7401	Boron Replace burner in air heater.	10/72
7407	Boron Recast suphor xxk sulphate systems.	11/72

U S BORAX ± CHEMICAL CORPORATION

7442	Boron Repair #14 furnace.	11/72
7443	Boron Repair #2 furance	11/72
7467	Boron Refractory repairs #$A furnace.	12/72
7475	Boron Repair # 2 Air Heater, Plant #3	12/72
7497	Boron Repairs to #7 Furnace Plant #5	12/72
7529	Boron Repair Plant #26 ABA Furnace	1/73
"A"	Supply Champ Forklift	
7536	Boron Rebuild Doghouse ABA Furnace Plant 26	1/73
7537	Boron Repair Syphon ABA Furnace, Plant 26	1/73
7555	Boron Redesign west wall of ABA furnace to accommodate five sodium sulphate airlift devices	2/73
7558	Boron Repair Line 1 Furnace Main Fusing Plant.	2/73
7578	Boron Repair #2 Furnace	3/73
7589	Boron-Repair Doghouse #4 Furnace	3/73

7590	Boron Airlift Syphon for Plant 26	3/73
7596	Wilmington Necessary repairs to Salt Coke furnace	3/73
7602	Boron Install spout in doghouse and patch roof for Plant #5	3/73
7603	Boron Repairs to #2 Air Heater	3/73
7608	Boron Repairs on airlift Syphon, ABA Plant	3/73
7617	Boron Minor repair to doghouse ABA Furnace Plant 26	4/73
7619	Boron Repair #3 Air Heater Plant #4	4/73
7627	Boron Repairs to #2 Air Heater	4/73
7628	Boron Minor patch #3 furnace, Plant 5	4/73
7629	Boron Minor repair #2 Furnace Old plant	4/73
7636	Boron Repair #6 furnace Plant 5	4/73

7644	Boron Repair #1 Furnace Main Fusing Plant	4/73
7651 "A" "B" "C" "D"	#2 doghouse Model #3 doghouse — #4 doghouse — #5 — — —	4/73 rous Borax
7652	Boron Repair #4 Furnace, Plant 5	4/73
7660	Boron Necessary repairs to #1 furnace Old RA Plant.	4/73
7697	Boron Minor repairs to #2 furnace, old plant.	5/73
7714	Boron Main Funsing Plant #2 Furnace	6/73
7715	Boron Repairs to ABA furnace, plant 26	6/73
7716	Boron Repairs to ABA furnace doghouse	6/73
7735	Boron Sulphate system removal ABA furnace, plant #26	6/73
7752	Boron Minor repairs to #3 plant 5	7/73

US BORAX AND CHEMICAL CORPORATION (Continued)

7757 Boron
Repair #1 furnace, plant #5 7/73

7772 Boron
Repairs to #4 furnace, plant #5 7/73

7773 Boron
Repairs to #5 boiler 7/73

7774 Boron
Design and construct new #4AB air mixing chamber plant #5 7/73

7790 Boron
Minor repairs to line 7 furnace, main fusing plant 8/73

7802 Boron
Experimental Doghouse with two outlets for #5AB furnace, plant #5 8/73

A Constr new top cover w/removable ends for the #5AB furnace doghouse

7807 Boron
Major repairs to #5 furnace, main housing plant 8/73

7813 Boron
Minor repairs to #1RA furnace, old plant. 8/73

7819 Boron
Repair #2 boiler 8/73

7830 Boron
Elevate the freeching floor #7AB furnace plant #5.

7832 Boron
Repairs to #2RA furnace, Old Plant 8/73

US BORAX AND CHEMICAL CORPORATION (Continued)

7839	Wilmington Refractory repairs to 5TRD ABA furnace	8/73
7842	Boron Design and construct experimental Doghouse #6AB furnace, Line 5	8/73
A	Remodel #6 furnace	12/73
7844	Boron Repairs to #2 air heater	9/73
7848	Boron Necessary repairs to recast holding blocks for sulfate air lift	9/73
7855	Boron Repair B2 O3 furnace, Plant #26	
"A"	Repairs to Doghouse B2O3 furnace plant #26	9/73
7870	Boron Repairs to #4 boiler	9/73
7893	Boron Experimental Doghouse #7AB furnace	9/73
7894	Boron Repair #3 furnace	10/73
7925	Boron Repairs to #1AB furnace	10/24
7947	Boron Repair #4 furnace Plant #5	11/8
7949	Boron Repair #2 furnace on RA Plant	11/8
7960	Boron Repairs to #5 doghouse	11/15
7971	Boron Repairs #5 Doghouse	11/27

7974 Boron
Repair #2 furnace, Plant #5 11/27

7975 Boron
Repair #1 Furnace old RA Plant 11/27

7983 Boron
Redesign firebox and burner equipment for oil firing for four Wyssmont Dryers, 10 net units. 12/3

7984
"B" Install forced air cooling firebox on R 46 Dryer • r oil 12/3 irebox

7990 Boron
T shape doghouse #5 furnace
Model #2 12/19

7992 Boron
Repairs to #6 AB furnace, Plant 5 12/6

8009 Boron
Major repairs to ABA furnace, Plant 26 12/14

8014 Bakersfield
Test Mamco #6790-12 Burner for heavy oil firing. 12/19

8022 Boron Duplicate 7992
Major repairs to #6RA furnace
Main Fusing Plant 12/28

8023 Boron
Minor repairs Plant 5, #4 Furnace 12/31

U S BORAX & CHEMICAL CORP (Continued)

8056	Boron Minor repairs to #7 furnace, Plant 5	1/74
8057	Boron Re Fabricate one spare forehearth for Line 6 and 7 furnaces, Plant 5	1/74
8086	Boron Design and fabricate single plug type forehearth for furnace 3AB, Plant 5 and 4AB Plant 5	2/74
8092	Boron Minor repairs #2 furnace Plant 5	2/74
8094	Boron Repair to #2 furnace old RA Plant	2/74
8100	Boron Fabricate single plug type forehaarth for furnace 5AB	2/74
8107	Boron Repairs to #1 air heater Plant 3	2/74
8114	Boron Minor repairs to #1AB furnace, Plant 5	2/74
8141	Boron Repairs to #3 furnace, Plant 5	3/74

U S BORAX & CHEMICAL CORP (Continued)

8151	Minor repairs to #5AB furnace, Plant 5	3/74
8174	Wilm Repairs to salt cake furnace	3/74
8193	Major repairs to #4 furnace Plant 5	4/74
8224	Repairs to #1 furnace RA Plant	4/74
8233 A	Repairs to ABA furnace Plant 26 Repairs to doghouse	4/74
8243	Repair No. 5 boiler	4/74
8248	Repairs to 10 Mol Wyssmont dryer firebox	5/74
8255	Design, fabricate and refractory lining new discharge section on flue gas discharge section on #7AB furnace	5/74
8269	Minor repairs to No. 2 furnace Plant 5	5/741
8282	Major repairs to #1AB furnace	
8297	Repair #3 boiler	6/74
8299	Minor repairs to #3 furnace Plant 5	6/74
8408	Repairs to #2AB furnace	8/74
8427	Repairs to #3AB furnace	8/74

U S BORAX & CHEMICAL CORP (contd)

8450	Boron Repairs to #5AB Furnace	8/74
"A"	Repairs to #2, Plant 4	9/74
8470	Major Repairs to ABA Furnace, Plant 26	9/74
8497	Repairs to No. 4 Furnace	9/74
8545	Boron Repairs to #2 AB Furnace	11/74
8556	Boron Construct 2 new forehearths	11/74
"A"	Pitter Metals-CO Whse-Repair 1 forehearth.	
8562	Boron Minor repairs to #IRA Furnace	11/74
8566	Boron Minor repairs to #2 RA Furn at RA Plant	11/74
8570	Boron Repairs to Doghouse on #7AB Furn.	11/74
8572	Boron Minor repairs to #6AB Furn-Plant 5	11/74
8573	Boron Pour a new Doghouse roof for Furn. #26 ABA Plant	11/74
8575	Boron Major repairs to #3AB Furn-Plant 5	11/74
8601	Boron Minor repairs to #1AB Furn - Plant 5	12/74
8604	Boron Install forced air cooling firebox to #5 AB Furnace	12/74

U S BORAX & CHEMICAL CORP

8608	Repairs to #2 Furnace – Plant 5	12/74
8612	Major Repairs to #4 ABA Furnace–Plant 5	12/74
8638	Minor repairs to #6AB Furnace	1/75
8644	Majar repairs to new Doghouse, Plant26	1/75
8642	Major refractory repairs to Furnace ~~AGA~~ ABA–Plant 26	1/75
8663	Major refractory repairs to 6AB Furnace–Main Fusing Plant	1/75
8677	Wilm – Repairs to ABA Furnace	2/75
8678	Wilm – Furnish & install tile for Salt Cake Furnace	2/75
8681	Boron – Repairs to #1 Boiler	2/75
8697	Boron – Major reapirs to #IRA Furn. Old RA Plant.	2/75
8699	Boron – Minor Repairs to #IAB Furn.(#5)	2/75
8706	Wilm – Repair Spray Dry Furnace	2/75
8714 "B"	(Same as "A")	8/75
[illegible]	Boron – Repairs to [illegible] Dryer.	
8721	Boron – Minor Repairs to #2AB Furn Plant 5.	3/75
8737	Boron – Minor Repairs to #3AB Furn Plant 5	3/75

U S BORAX & CHEMICAL CORP

8747	Ehrhart Div of Procon Wilm - Construct one Salt Cake Dryer	3/75
8739	Boron - Major Repairs to #5AB Furnace Plant 5	3/75
8759	Boron-Minor Repairs to #5 Boiler	4/75
8796	Boron-Major Refractory Repairs to #2RA Furnace - Plant RA	4/75
8797	Boron-Refractory Repairs to #3 Air Dryer Plant 4	5/75
8815	Boron-Repair Complete Front Wall #1 Boiler	5/75
8817	Boron-Repairs to #1 Wyssmont Dryer in Plant #4	5/75
8820	Boron-Major Repairs to #1AB Furnace Plant 5	5/75
8822	Boron-Minor Repairs to 2AB Furnace Plant 5	5/75
8825	Boron-Minor Repairs to #3 Furnace Plant 5	5/75
8842	Boron-Minor Repairs #7 Furnace Plant 5	6/75
8849	Boron-Major Repairs to ABA Furn.-Plant 26	6/75
"A"	Major Repairs to ABA Doghouse	6/75
"B"	Additional Work ABA Furnace Plant 26	8/75

US BORAX & CHEMICAL CORP

8886	Boron - Minor Repairs to #3AB Furnace - Plant 5.	7/75
8889	Boron - Labor to Install Refractory Lining in #4 Air Mixing Chamber.	7/75
8891	Boron - Rebuild one Forehearth.	7/75
8940	Boron-Furnish Spare Top Duct for R46 Dryer	8/75
"A"	Spare Refractory Lining	
8942	Boron-Minor Repairs to #1AB Furnace	8/75
8944	Boron-Repairs to #4AB Furnace	8/75
8945	Wilm-Repairs to #2 Boiler	8/75
8950	Boron-Minor Repairs to #1AB Furnace Plant 5	8/75
8957	Boron-Minor Repairs to #3 Boiler	8/75
8970	Boron-Minor Repairs to #5 Boiler	9/75
8975	Boron-Minor Repairs to #6 Boiler	9/75
8977 "A"	Boron-Minor Repairs to #3 Air Heater Replace Burner Tile	9/75
8978	Boron-Major Repairs to #2AB Furnace	10/75
8987	Boron-Minor Repairs to #3AB Furnace Plant 5	10/75
8988	Boron - Two 3" Forehearths	10/75

US BORAX & CHEMICAL CORP

8989	Boron-Minor Repairs to #1AB Furnace, Plant 5	10/75
8998	Boron-Repairs to #4 Air Heater Plant 4	10/75
9007	Boron-Minor Repairs to #1 Wyssmont Dryer, Plant 4	10/75
9014	Boron-Major Repairs to #7AB Furnace Main Fusing Plant	10/75
"A"	Exp sloping brick fill, sides, front&rear for melting 10 mol borax. 4/76	
9017	Boron-Repairs to #1 Boiler, Steam Plant	10/75
9019	Boron-Repairs to #6AB Furnace	10/75
9025	Boron-Construct Fluid Bed Dryer & Air Heater, Plants 2, 3 & 4	10/75
9030	Wilm-Nec Repairs to AB Furnace	11/75
9035	Boron-Minor Repairs to #6 Boiler	
9051	Boron-Repairs to #3 Air Heater Plant 4	11/75
"A"	Additional Minor Repairs	12/75
9064	Boron - Minor Repairs to #4AB - Plant 5	12/75
9068	Boron - Minor Repairs to #5AB Furnace, Plant 5	12/75
9089	Wilm-Nec Repairs to AB Furnace	12/75
"A"	Time spent on extra concret curbing	
9094	Boron-Minor Repairs to #1AB Furn. Plant 5	12/75
9095	Boron - Two 3" Forehearths	12/75

U S BORAX & CHEMICAL

9100	Major Repairs to ABA Furnace Plant 26	1/76
"A"	Replace Doghouse	
9106	Minor Repairs to #3 Air Heater, Plant 4	1/76
9107	Replace Burner Tile and Tile ;in Salt Cake Furnace	1/76
9124	Repairs to #1 Air Heater, Plant 4	1/76
9132	Major Repairs to #3AB Furn, Plant 5	1/76
9148	Minor Repairs to 6AB, Plant 5	2/76
9163	Minor Repairs #6 Boiler	2/76
9172	Minor Repairs to #6 Boiler	2/76
9176	Minor Repairs to #4AB Furnace, Plant 5	2/76
9187	Repairs to #5AB Furnace, Plant 5	3/76
9188	Two 3" Forehearths	3/76
9205	Minor Repairs to #2AB Furn. - Plant 5	3/76
9211	Repairs to #1Air Heater, Plant 3	4/76
9218	Repair #1 Air Heater, Plant 3	4/76

US BORAX & CHEMICAL

9232	Boron - Minor Repairs to #1 ABA Furnace - Plant 5	4/76
9235	Wilmington - Repairs to #3 Boiler	4/76
9244	Boron - Minor Repairs on #6 Furnace Plant 5	4/76
9275	Boron-Minor Repairs to #2AB Furnace Plant 5	5/76
9276	Boron-Minor Repairs to #4AB Furnace-#5	5/76
9313	Boron-Major Repairs to #5AB Furnace-#5	6/76
9335	Boron-Repairs to #3 Air Heater-#4	7/76
9349	Boron - Minor Repairs to #6AB Furance Plant 5	7/76
9358	Boron - Minor Repairs to #1AB Furnace Plant 5	7/76
9359	Boron - Minor Repairs to #2AB Furnace Plant 5	7/76
9390	Wilm-Repairs to #2 Boiler	8/76
9393	Boron-Minor Repairs to #2AB Furnace Plant 5	8/76
9394	Boron-Minor Repairs to #1 Air Heater Plant 4	8/76

US BORAX & CHEMICAL

9395	US BORAX & CHEMICAL Boron Minor Repairs to #4 Air Heater - Plant 4	8/76
9412	Boron-Repair #5 Boiler in Steam Plant	8/76
9423	Boron-Major Refractory Repairs to ABA Furnace Plant #26	8/76
"A"	Replace Sodium Sulphate Doghouse Refr Roof & Platinum Weir.	
9441	Boron - Minor Repairs to #6AB Furnace Plant 5	9/76
9448	Boron - Minor Repairs to R46 Dryer	9/76
9451	Boron - Repairs to #1AB Furnace, Plant 5	9/76
9457	Boron - Major Repairs to #2AB Furnace, #5	9/76
9467	Boron -Repairs to #2 Air Heater, Plant 3	10/76
9513	Wilm - Dryout ABA Furnace	11/76
9561	Boron - Minor Repairs to #7AB Furnace Plant 5	12/76
9568	Boron - Furnish Two 3" Forehearth	12/76
"A"	2 Additional Forehearths	4/77
9569	Boron - Major Repairs to #6AB Furnace Plant 5	12/76
"A"	Two Additional Forehearths	12/76
9577	Wilm-Nec Repairs to ABA Furnace	12/76

US BORAX & CHEMICAL

9604	Boron - Repairs #1AB Furnace	1/77
9616	Boron - #2AB Furnace, Plant 5	1/77
9631	Boron - Minor Repairs on #1 Air Heater in Plant 3	2/77
9635	Boron - Minor Repairs to #4AB Furnace, Plant 5	2/77
9636	Boron - Minor Repairs to #3AB Furnace, Plant 5	2/77
9654	Boron - Minor Repairs to #7 Furnace Plant 5	2/77
9709	Boron - Minor Repairs to R-46 Dryer Plant 2	3/77
9715	Boron - Minor Repairs to #6AB Furnace Plant 5	3/77
9732	Boron - Minor Repairs to #3AB Furnace Plant 5	4/77
9734	Boron - Minor Repairs to #3 Air Heater Plant 4	4/77
9742	Boron - Fabricate & Deliver One 3" Forehearth	4/77
9745	Boron - Repairs to #4 Air Heater, Plant #4	4/77
9750	Boron - Supply Inconel for Two Additional Forehearths	4/77
"A"	Furnish 2 Forehearths	7/77
9753	Boron - Minor Repairs to Doghouse ABA - Plant 26	4/77

US BORAX & CHEMICAL

9766	Boron - Minor Repairs to #1AB Furnace, Plant 5	5/77
9776	Boron - Minor Repairs to ABA Furnace, Plant 26	5/77
"A"	Repairs to Doghouse	6/77
9783	Boron - Minor Repairs to #1 Boiler-Boilerhouse	5/77
9789	Wilm - Repairs to #2 Boiler	5/77
9800	Boron - Minor Repairs to #2 Boiler	5/77
9820	Boron - Repairs to #3 Boiler	6/77
9821	Boron - Repairs to #4 Boiler	6/77
9834	Boron - Repairs to #7AB Furnace Plant 5	6/77
9868	Boron - Repairs to #2AB Furn. Plant 5	7/77
9869	Boron-Repairs to #1AB Furn.-Plant 5	7/77
9886	Boron-Minor Repairs to #5 Boiler at the Boiler House.	7/77
9893	Boron - Furnish Heat Recovery Study	7/77
A	Continuation of heat recovery test	JEA 2/80
9907	Boron - Minor Repairs on #6 Boiler	7/77
9910	Boron - Minor Repairs to 6AB Furn-Plant 5	8/77
9939	Jacobs Constr. - Boron Labor only to pour refractory concrete slab.	10/77
9958	Boron-Repairs to #2 air heater, Plant 3	9/77
9959	Boron - Repairs to #3 Air Heater, Plant 4	9/77

US BORAX & CHEMICAL

9966	Wilm - Line Sta;inless Steel Case	9/77
9983	Boron - Minor Repairs to #1AB Furnace Plant 5	9/77
9984	Boron - Minor Repairs to #7ABA Furnace Plant 5	9/77
10003	Boron - Minor Repairs to #2AB Furnace Plant 5	9/77
10044	Boron - Minor Repairs to #6AB Furnace	10/77
10045	Boron - Major Repairs to ABA Furnace Plant 26	10/77
"A"	Replace Sodium Sulphate Doghouse	
~~10052~~	~~Boron - Repairs to #3 Air Heater, Plant 4~~	~~10/77~~
10053	Boron - Repairs to #3 Air Heater, Plant 4	10/77
10077	Boron - Repairs to #1 Air Heater, Plant 3	11/77
10113	Boron - Major Repairs to 2AB Furnace, Plant 5.	12/77
10133	Boron - Repair #3 Air Heater, Plant 4	12/77
10161	Boron - Minor Repairs to 1AB Furn., Plant 5.	1/78
10182	Boron - Minor Repairs to 4AB Furn., Plant 5.	1/78
10195	Boron - Minor Repairs to ABA Furn., Plant 26.	2/78
10210	Boron - Minor Repairs to 7AB Furn., Plant 5.	2/78
10221	Wilm-Renew Half of Casing around Burner Tile & Replace Burner Tile on #1 Salt Cake Furn.	2/78
10228	Boron - Repair #3 Air Heater, Plant 4	2/78
10236	Wilm - Repair #1 Salt Cake Dryer	2/78

US BORAX & CHEMICAL

10239	Boron - Minor Repairs to #2 Air Heater, Plant 4	2/78
10240	Boron - Major Repairs to 6AB, Plant 5.	2/7
10259	Boron - Minor Repairs to #1AB Furnace Plant 5	3/78
10260	Boron - Construct & Supply Forehearth with Single Discharge	3/78
10276	Carson Yard - Repairs to Zink Borate Furnace	3/78
10341 "A"	Boron - Repairs to ABA Furnace, Plant 26 Repair Dog House Plant 26	5/78
10342	Boron - Repair #5 Boiler at Steam Plant	5/78
10360	Boron - Minor Repairs to 7AB Furnace Plant 5	
10361	Boron - Minor Repairs to #1 Boiler	5/78
10367	Wilm - Nec Repairs to #2 Boiler	5/78
10374	Boron - Repair #1 Air Heater, Plant 3	5/78
10375	Boron - Repair #3 Air Heater, Plant 4	5/78
10379	Boron - Minor Repairs to #6 Boiler	5/78
10384	Boron - Minor Repairs to #1AB Furnace Plant 5	6/78
10388	Boron - Minor Repairs to #2AB Furnace, Plant 5	6/78
10424	Boron - Repairs to Front Wall of #6 Boiler	7/78
10427	Boron - Minor Repairs to #1AB Furnace, Plant 5	7/78
10454	Boron - Minor Repairs to #7 AB Furnace in Plant 5	8/78

US BORAX & CHEMICAL

10457	Wilm - Repairs to #1 & 2 Boilers	8/78
10467	Boron - Repairs to #6AB Furnace Plant 5	8/78
10470	Boron - Repairs to R46 Dryer	8/78
10471	Boron - Minor Repairs to #2AB Furn.	8/78
10490	Boron - Minor Repairs to #3 Air Heater, Plant 4	8/78
10512	Boron - Repairs to #5 Air Heater, Plant 4	
10513	Boron - Repairs to #6 Air Heater plant, 4	8/78
10540	Boron - Repairs #1 Furnace, Plant 5	9/78
10541	Boron - Repair #3 Air Heater, Plant 4	9/78
10542	Boron - Repair #2 Furnace, Plant 5	9/78
10547	Wilm - Nec Repairs around Feed Chute of ABA Furnace	9/78
10550	Boron - Major Repairs to #7 Furnace Plant 5	9/78
"A"	Minor Repairs to #7 Furnace	
10581	Boron - Minor Repairs to 2AB Furnace Plant 5	
10582	Boron - Major Repairs to 2AB Furnace Plant 5	10/78
10615	Boron - Minor Repairs to 5AB Furnace Plant 5	11/78
10616	Boron - Gunite Secondary Roof of 6AB Furnace	11/78
10664	Boron - Install Acid Brick Paving, Plant 1	12/78

U S BORAX & CHEMICAL

10675	Boron – Minor Repairs to 2AB Furnace Plant 5	12/78
10689	Boron – Minor Repairs to #3 Air Heater Plant 4	12/78
10715	Boron – Minor Repairs to ABA Furnace Doghouse Plant 26	12/78
10742	Boron–Major Repairs to #7 Furnace Plant 26	1/79
10788	Wilmington–Nec. Repairs to salt cake Furnace	2/79
10797	Wilmington/Carson Yard–Install lining in ZB Furnace	2/79
10812	Boron–Minor Repairs to #1 Furnace Plant 5	3/79
10813	Boron–Major Repairs to #2 Furnace Plant 5	3/79
10841	Boron–Minor Repairs to #ABA Furnace Plant 26	3/79
10857	Boron – Minor repairs to #5 boiler steam house	3/79
10873	Boron – Minor repairs to #6 furnace plants.	4/79

10920 Boron – Minor repairs # 1 boiler at steam plant 5/79

10919 Boron – Minor repairs to #1 air heater Plant #4 5/79

10921 Boron – Minor repairs to #5 air heater plant #4 5/79

10922 Wilmingotn – Repairs to #3 boiler 5/79

10935 Boron – Minor repairs to #4 furnace plant #5 5/79

10936 Boron – Minor repairs to fluid bed dryer Plant 4 5/79

10950 Boron– Major Repairs to ABA Furnace Plant 26 5/79
"A" Repairs to Doghouse

10971 Boron – Minor repairs to #2AB Furnace Plant # 5 6/79

10972 Boron – Major refractory repairs to spare 10–Mol wysmont dryer shell 6/79

10987 Boron – Minor repairs to #7AB Furnace Plant #5 6/79

11029 Boron – Minor repairs to #3 boiler– boiler house 7/79

11049 Boron – Repair # 1 AB furnace plant 5 7/79

11050	Boron – Repairs #2 AB Furnace plant #5	7/79
11072	Boron – Repairs to #5 air heater	7/79
11087	Boron – Minor repairs to #6 Furnace Plant 5	8/79
11090	Boron – Minor repairs to #7 furnace plant #5	8/79
11096	Boron – Minor repairs to #6 boiler stream plant	8/79
11109	Wilmington Furnish combustion equipment & flame supervision panel for #1 split cake dryer	8/79
11119	Boron Repairs to #7AB furnace plant #5	8/79
11141	Boron Major repair to #6 furnace plant #5	9/79
11158	Boron Minor repairs to #2AB furnace plant #5	9/79

11248 Boron 11/79
Minor repairs to #1AB furnace
plant #5

11249 Boron 11/79
Major repairs to #2AB furnace
plant #5

11256 Boron 11/79
Supply and fabricate GDN
Two 3" forehearths

11286 Boron 12/79
Minor repairs to #7AB furnace plant #5

11314 ~~Boron~~ Boron 12/79
Minor repairs to #1 furnace
plant 5

11315 Boron 12/79
Minor repairs to ABA furnace plant #26

A Doghouse
B Repour the doghouse roof

11357 U S Borax & Chem
Wilmington 1/15/80
Nec repairs ZB furnace

11362 Boron
Minor ~~repairs~~ repairs to #4 boiler 1/80

11363 Boron
Minor repairs to #2AB furnace, Plant 5 1/80

U S BORAX & CHEMICAL

11379	Boron Minor repairs to #1 furnace Plant #5	1/80
11380	Borbn Minor repairs to #5 airheater	1/80
11399	Boron Minor repairs to #5 boiler	2/80
11407	Boron Plant 26 service call and class	2/80
11434	Boron Minor repairs to #7AB furnace plant #5	2/80
11455	Wilmington Repairs #3 boiler	3/80
11459	Boron Minor repairs to #6AB furnace plant #5	3/80
11465	Boron Run temperature and oxygen survey on line #7	3/80 JEA
11477	Wilmington Nec. repairs to salt cake furnace and zink borate furnace	3/80

11504	Boron Tearout of front wall of #7 boiler steam plant	4/80
11505	Boron Installation of material #7 boiler	4/80
11514	Boron Minor repairs to #1AB furnace Plant #5	4/80
11527	Boron 4/80 Repairs to #1 Air Heater	4/80
11533	Boron Major repairs to #2AB furnace, plant #5	4/80
11568	Boron Labor and material to replace six burner throats in #1 boiler	5/80
11577	Boron Major repairs to ABA furnace plant #26	5/80
A	Repairs to doghouse Plant 26	
11620	Wilmington #1 Salt cake dryer repairs	6/80
11624	Boron Major repairs to #1AB furnace plant #5	6/80

U S BORAX & CHEMICAL

11625	Boron Minor repairs to #2 boiler steam plant	6/80
11656	Boron, Major repairs to #7AB furnace plant #5	7/80
11668	Wilmington Repair around south burner on ABA furnace	7/80
~~11709~~	~~Boron~~ ~~Repairs to #1 air heater~~	8/80
11710	Boron Repairs to #2 air heater	8/80
11711	Boron Repairs to #2AB furnace Plant #5	8/80
11715	Wilmington Repairs to boilers #1 & #2	8/80
11720	Boron Repairs to fluid bed dryer	8/80
11734	Boron Repairs to #3 boiler	8/80 JEA
11763	Boron Minor repairs to ABA furnace plant #26	9/80
11772	Wilmington Repairsto ABA furnace	9/80

U S BORAX & CHEMICAL

11784	Wilmington Repairs to nose ring and air ports #2 kiln	9/80
11789	Boron Minor repairs to #1AB furnace plant #5	9/80
11790	Boron Minor repairs to #5AB furnace plant #5	9/80
11822	Boron Modify one forehearth	10/80 GDN
11841	Boron Repairs to ABA furnace plant #26	10/80 BW/CO
11878	Boron Minor repairs to #7AB furnace plant #5	11/80
11893	Boron Minor repairs to #2AB furnace Plant #5	12/80
11907	Boron One forehearth for AB melting furnace	12/80 GDN
11943	Boron Minor repairs to #1AB furnace plant #5	12/80

U S BORAX & CHEMICAL

11957	Boron Minor repairs to #6AB furnace Plant 5	1/81
11989	Boron Major repairs to #2AB plant 5	1/81
12033	Boron Furnish two forehearths	2/81 GDN
12055	Boron Major repairs to #AB furnace Plant	3/81
12117	Boron Repairs to #4 air heater	4/81
12101	Wilmington Repairs to #4 boiler	4/81
12105	Boron Adjusting line #6	4/81
12138	Boron Minor repairs to #7AB furnace plant #5	4/81
12179	Boron Minor repairs to #2AB furnace plant #5	5/81
12209	Boron Furnish two forehearths	6/81 GDN

12245	Wilmington, - Carson Yard Reline firebox	7/81
12247	Boron Repair #2 boiler - Steam Plant	7/81
12259	Boron, CA Repairs to #4 boiler Steam plant	7/81
12260	Boron, CA Major repairs to #6AB furnace Plant #5	7/81
12261	Los Angeles, CA Provide engineering service recommendations regarding design and supply of combustion safeguard system for 5 Mol dryer at Boron	7/81 DWB
12285	Boron Minor repairs to ABA furnace	8/81
12301	Boron, CA Design furnish and install experimental forehearth for 6AB furnace	8/81 RPA
A	Modify existing burner system 6AB furnace	RPA
12314	Boron, CA Minor repairs to #1 furnace plant #5	8/81

12327	Boron, CA Repairs to R46 dryer	8/81
12332	Wjlmington, CA Repairs to burner duct	9/81
12336	Boron, CA Minor repairs to #2AB furnace plant 5	9/81
12361	Boron, CA Engineering study to evaluate heat recovery options plant #5	9/81 JEA
12419	Boron, CA Minor repairs to #1AB furnace platn #5	11/81
12431	Boron, CA Repair to #4 air heater	11/81
12447	Carson Yard Line A ZB furnace shell	11/81
12533	Boron, CA Repair #3 air heater	1/82 CW
12603	Boron, CA Repairs to #1AB furnace plant #5	3/82 CW

12623	Born, CA Minor repairs to #6 boiler	CW
12631	Boron, CA Repairs to #3 boiler in steamer boiler	CW
12637	Boron, CA Minor repairs to #6 boiler	4/82
12638	Boron, CA Minor repairs to #5 air heater	CW
12646	Boron, CA Repairs to #4 heater	4/82 CW
12649	Wilmington, CA Repairs to boilers #4 & #5	4/82
12660	Boron, CA Labor and material to repair lining in 5 Mol dryer	5/82 JEA
12675	Boron, CA Repair #1 boiler steam plant	5/82 CW
12694	Boron, CA Repair #2AB furnace plant #5	CW
12722	Wilmington, CA Repairs to #6 boiler	6/82

U S BORAX & CHEMICAL CORPORATION

12730	Boron Major repairs to #4 boiler steam house	7/82
12736	Boron, CA Furnish forehearth adapter assembly	7/82 GDN
12744	Boron, CA Minor repairs to #7AB furnace plant #5	CW
12776	Wilmington/CarsonYar d ~~Install refractory in four ducts~~ Line ZB furnace	8/82
12792	Boron Minor repairs to #6AB furnace plant #5	CW 8/82
12805	Boron, CA Repairs to #7AB furnace Plant #5	9/82

A

12882	Boron, CA Repairs to #2 air heater plant 2, 3, & 4	12/82 12/82
12890	Boron, CA Minor repairs to plant 26 Brick door	12/82

St

12904	Boron, CA ABA Furnace plant #26 brick slab below furnace	12/82
12913	Boron, CA Install 3" ceramic felt in rear wall #6 boiler	12/82
12946	Boron, CA Repair #4 air heater	
12948	Boron, CA Repair line #7 for masonry	2/83
12985	Boron, CA Inspect & make estimate #2 boiler	3/83 CW
13003	Boron, CA Minor repair #6 boiler	4/83
13005	Repair #2 boiler	4/83
13017	Repairs to #5 boiler	4/83
13018	Minor repairs to #2AB furnace	4/83
13040	Major refractory repairs to #7AB furnace plant 5	5/83
13039	Minor repairs to #5 air heater	5/83
13049	Repair floor #5 boiler	

U S BORAX = CHEMICAL CORPORATION

13062	Repair #6 boiler	6/83
13102	Minor repair to #6 furnace plant #5	7/83
13104	Time for quoting ~~it~~ job 13102	7/83
13162	Boron, CA Burner modification line #7AB furnace plant 5	8/83 RPA
13178	Boron, CA Minor repairs to #3 air heater	9/83 CW
13187	Boron, CA Repairs to (#3 air heater) fluid dryer	9/83 CW
13221	Wilmington, CA Repairs to #6 boiler	11/83
13 316	Boron, CA Inspection and necessary repairs to ABA Furnace	1/12
13327	Wilmington, CA (Carson Yard) Line ZB Fire Box	1/19
13347	Boron, CA Repair furnace #6	2/6
13341	Wilmington, CA Burner system modification for fertilizer borate granular production facility	2/1
"A"	Furnish and install dilution air fan and air plenum	

U S BORAX & CHEMICAL CORPORATION

13483	Boron, CA Supply Single Discharge 3" Forehearth	5/84
13505	Wilmington CA Repair #5 Boiler	6/84
13510	Boron, CA Repairs to #6 Boiler	6/84
13516	Boron, CA #3 Boiler Repairs	6/84
13517	Boron, CA Repairs to #2 Boiler	6/84
13565	Boron, CA Inspect #6 Furnace	7/84
13532	Wilmington, CA Repair #6 Boiler	7/84
13566	Boron, CA Inspect #ABA Furnace	7/84
13614	Boron, CA Repair #5 Air Heater (Wysmont)	9/84
13620	Wilmington, CA Install Mandosel Fireproofing on Bucket Elevator	9/84
13684	Boron Ca Repair Tile in Rotary Dryer Plants #2,#3,and #4	11-84
13690	Wilmington Ca Paint Entire Dryer System	11-84
13740	Boron Ca Inspect Line #7 Furnace	12-84 12-84
13754	Boron Ca Repairs to #6 Boiler	

13760	Boron Ca Repair # 1 Wysmont Dryer + Plant #234	12-84
13785	Wilmington, CA Repairs to spray dryer	1/85
13788	Repairs to #7 furnace	
13831	Boron, CA Repair to #1 boiler at steam plant	2/85
13833	Boron, CA Analysis pressure pulsating in line #7 melting furnace	CRT 2/85
13950	Boron Inspect #7 AB furnace plant 5	5-85
13972	Boron Inspect #4 Boiler	6/85
13993	Boron Repairs to #7 Boiler	7-85
14078	Carson Yard Fore-Hearth Rebuild	9/85
14090	Boron Supply & Fab IRA600 weir for line 7 furnace	10-85
14113	Boron Inspect & repair #7AB furnace	10-85

US BORAX

13882 Boron
Repair #6 Boiler 4-85

13904 Wilmington
Repair #6 Boiler 4-85

13905 Boron
Repair #5 Boiler 4-85

13941 Boron
Forehearth for #7 Furnace 5-85

14161 Boron
Replace burner & Front
Wall on Fluid bed dryer 12-85

14192 Boron CA
Major repairs to #3 Wysmont
Air Heater 12-26-85

14209 Wilmington
Remove & replace lining
in Spray Dryer 1-15-86

14213 Boron
Repairs to #2 Wysmont 1-20-86

14219 Boron
Supply one 1" x 12" x 143"
RA600 Skimmer wier 1-22-86

14231 Boron
Miner repairs to #1 Wisemont 2-6-86

14279 Boron
Repair rear Wall #6 boiler 4-1-86

14262 Boron
Replace front wall #7 boiler 3-17-86

14298 Boron
Miner repairs to sacrificial walls
of #7 furnace 4-17-86

14310 Boron
To supply one inconel 625 Skimmer
Weir 4-29-86

U S BORAX

14335	Boron Inspection of R46 dryer	5-27-86
14339	Boron ABA furnace, modify outlet to accommodate line to styel fore-hearth.	5-28-86
14355	Boron Repair 3" forehearth	6-10-86
14356	Wilmington Repair #6 boiler	6-10-86
14366	Boron Repairs to the R-46 dryer	6-19-86
14374	Boron, CA Open Door on ABA Furnace, and Tear out Refractory	6-30-86

(See next pg)

U S BORAX & CHEMICAL CORP

14310	Boron Supply on Inconel 625 skimmer weir	4/86
14335	Boron Inspection of R46 Dryer	5/86
14339	Boron ABA furnace modify outlet to accommodate line 6 style forehearth	5/86
14355	Boron Repair 3" forehearth	6/86
14356	Wilmington Repair #6 boiler	6/86
14366	Boron Repairs to R46 Dryer	6/86
14374	Boron Open door on ABA furnace and tear out refractory	6/86
14473	Boron Repairs to Line 7 Furnace	10/86
14506	Boron (Carson Yard) One skimmer Weir for Furnace #7	11/86
14507	Boron (Carson Yard) Furnace wall liner #7 furnace	11/86
14570	Boron Minor repair to #5 boiler-Steam Plant	1/87
14699	Boron Repair #7 furnace (large/minor repair)	5/87
14715	Boron Repairs to #6 boiler	5/87
14738	Boron Repairs to #5 mol rotary dryer	6/87

U S BORAX & CHEMICAL CORP

14739	Boron Repairs to #4 Wyssmont Dryer	6/87
14740	Boron Repairs to #1 Wyssmont Dryer	6/87
14801	Boron, CA Remove O1D Burner to install new Burner in 10 Mole Dryer	8-6-87
14802	Boron, CA #1 Wyssmont Repair	8-7-87
14868	Boron, CA Fluid Bed Dryer	10-8-87
14875	Boron, CA Supply skimmer weir	10-12-87
14909	Boron, CA Supply (1) 3" single discharge forehearth	11-18-87
14921	Carson Yard, CA Repairs to ZB Furnace	11-25-87
14922	Boron, CA Repair & replace #7 boiler	11-24-87
14941	Wilmington, CA Repairs to spray dryer burner	12-14-87
14955	Boron, CA Minor Pads to Ream Wall	12-21-87
14977	Wilmington, CA Repairs to Spray Dryer	1-20-88
14995	Boron, CA Repairs to #1 Boiler NTE $10,000	2-9-88
15009	Boron, CA Repairs to #6 Boiler	2-25-88

U S BORAX & CHEMICAL CORP.

15027	Boron, CA Repairs to #6 Boiler	3-15-88
15096	Boron, CA Supply 3" single discharge forehearth	6-9-88
15101	Boron, CA Semi-major repairs to Line #7	6-17-88
15103	Boron, CA Line 26, inspect refractory	6-21-88
15115	Boron, CA Repair of Line 26	6-29-88
15139	Boron, CA Supply four (4) skimmer weir plates for Line 7	7-14-88
15126	Boron, CA Minor Repairs to #1 Wismont Dryer	7-6-88
15177	Boron, CA 4" Single Discharge Forehearth	8-25-88

U S BORAX RESEARCH

3400 Boron
Repair experimental furnace

3635 Boron
Design and construct and install 10 ft. extension on B_2O_3 pilot furnace.

(A) Furnish peep hole castings.

3697 Boron
Repairs to experimental furnace

3750 Boron
Install fused cast floor and north wall and west wall on experimental furnace

3844 Boron
Rebuild sodium sulphates dog house
$NA_2\ SO_4$ experimental furnace

4020 Boron
Repair separation zone, experimental B_2O_3 furnace

6297 Los Angeles Evaluation study
B 0 furn. plant 26

U S BATTERIES

14812	Long Beach, CA Repairs to Battery Plate Drying Fire Box	8-19-87
14963	Long Beach, CA Necessary Repairs to Fire Box	1-5-88

(Richland, Washington)

UNITED STATES ATOMIC ENERGY COMM.

6398 Combustion Engineering Co. - L.A.
Design and furnish materials for
front wall of 2 boilers. 9/70

UNITED STATES COAST GUARD

6899 - Terminal Island -
United States Coast Guard Cutter "Heather" -
To Rebrick Main Boiler Furnaces

2011 - Terminal Island - USCG "Heather"
Rebrick #1 Boiler

3135 Terminal Island
USCG Butter 'Heather'
Repairs to #2 Boiler

4829 'USCG Pontchartrain"
Long Beach (Pier 16)
Repair starboard boiler

5670 "USCG PONTCHARTRAIN" 4/69
Long Beach WO
Repairs to starboard blr

7214 "USCG Burton Island"
Long Beach
Repair Starboard Boiler 5/72

UNITED STATES DEPARTMENT OF JUSTICE
BUREAU OF PRISONS - FEDERAL CORRECTIONAL INSTITUTION

8648 - Terminal Island - Repair Three (3) 185 h.p.
Water Tube Boiler

UNITED STATES DESTROYER BASE

4209 - See E. Keeler Company
San Diego - Brickwork for Seven (7) 400 h.p.
Keeler type "CP" Boilers

NO. 301-11 R

U. S. DIATOME COMPANY

3736 - Rosamond, Calif.
Four (4) Dryer Furnace Linings

INC. 801-11 R IPP U.S.A.

U. S. ELECTRICAL MOTORS, INC.

Anaheim

7987 - ~~Los Angeles~~ - To Prepare C ost Analysis for Continuous Annealing Furnace

(A) - Supply Design Drawings, Material; & to Install Refractory on 15 Furnace Car Tops

(B) - Supply Design Drawings, Material; & Install Sheetmetal Exhaust Return Duct & Flame Safety Equipment

(C) - Supply and Install Temp. Control Equipment

(D) - Install a Track

(E) - Supply Track Material

2865 - Monterey, Mexico

Lamination Furnace

6030 Labor and matl to install refractory lining in Thorpe Annealing furn. 12/69

'A' - Repair 4" P anelag to east and west ends of continuous annealing furnace.

7711 Los Angeles
Repairs to Thorpe
Annealing Furnace 5/73

8051 LA 1/74
Repair Thorpe furnace

8097 LA 1/74
Repairs to the recirculating annealing furnace

8812 LA 5/75
Nec Repairs Annealing Furnace

UNITED STATES GOVERNMENT

8942 - Edward Air Force Base - California
See Peter Kiewit Sons' Company
Apply Acid Resistant Plastic to One(1) Sump

9274 - Long Beach Naval Shipyard - Long Beach 2, Calif.
Building No. 150 - Repair One (1) Boiler

9325 - Long Beach Naval Shipyard - Long Beach 2
Building No. 150 - Rebrick Steam Boiler No. 2

1051 - Long Beach Naval Shipyard - Long Beach
Renew Burner Arches & Piers; Boilers #1 & #2,
Cancelled Bldg. #151

1217 Point Mugu - U S Navy - Boiler Brickwork &,
Insulation Aerodynamics Test Laboratory.

UNITED STATES GYPSUM COMPANY

4813 - South Gate - Rebuild Front Arch in #3 Boiler

5573 - See Edge Moor Iron Works, Inc.
South Gate - Boiler Enclosures for
Two (2) Edge Moor Steam Generating Units

6176 - South Gate - Brickwork Repairs to Two (2) Edge Moor Boilers
(A) - Completely Seal all Crevices in Boiler Furnace Walls
(B) - Baffle Repairs
(C) - Baffle Repairs

6298 - South Gate - #3 Boiler - To Rebuild Front Arch

6353 - South Gate - Brickwork Repairs to Edge Moor Blrs.

6398 - South Gate - Repairs to Boiler #1

6516 - South Gate - To Repair and Reinsulate Boiler Furnace Roof in #2 Mill

6542 - South Gate - Labor only to Repair Brickwork in #1 Boiler

6555 - South Gate - To Remove Brick Setting and Install Steel Base and Lining for One (1) Erie City Economy Boiler #1

6670 - South Gate - Insulation Repairs on #2 Boiler

6700 - South Gate - Boiler Brickwork Repairs - #1 Mill

6875 - South Gate - Brickwork Repairs to Burner Walls of Two (2) Edge Moor Boilers

6917 - South Gate - Brickwork Repairs to Three (3) HRT Boilers

7214 - South Gate - Boiler Lining Repairs

7360 - South Gate - To Repair Edge Moor Boiler No. 2

7390 - South Gate - #2 Mill - #1 Boiler To Repair Floor Tile

3639 - Santa Fe Springs
Install refractories in two air heaters and ducting.

UNITED STATES GYPSUM CO (continued)

(South Gate)

[illegible]		
6562	Hanskill Maintenance (Long Beach) Repair #11, Still	1/71
7503	South Gate Refractory Repairs #1 Still Roofing Plant.	1/73

UNITED STATES IMMIGRATION BUILDING - San Yisidro, Calif.

2629 - Insulation

NO. 301-11 R IP U.S.A.

U.S. INDUSTRIAL CHEMICALS CO.
DIVISION OF NATIONAL DISTILLERS PRODUCTS CORPORATION

(Formerly: U. S. Industrial Chemicals, Inc.)

U. S. Industrial Chemicals, Inc.

4557 - Anaheim - Installation of Brickwork for One (1) Air Heating Furnace for Spray Dryer

U. S. Industrial Chemicals Co.
Division of National Distillers
Products Corporation

7228 - Anaheim - To Rebuild Two (2) B. & W. Boiler Settings

(A) - Extra Repairs on Boiler #2

NO. 801-11R U.S.A.

UNITED STATES INSPECTION STATION

2628 - Douglas, Arizona - Insulation
(Order transferred to Marine Eng. & Supply Co.)

10. 901-11 R ZIP U.S.A.

UNITED STATES LIME PRODUCTS CORPORATION

9041 - Henderson, Nevada - Repair Lining in Duct Collector
(A) - Repair #3 Rotary Kiln
(B) - Repair #2 Rotary Lime Kiln
(C) - Repair Ball Mill Lining

9177 - Henderson, Nevada - Labor Only to Repair Corbel in #1 Rotary Kiln
(A) - Labor & Material to Install Burrstone Lining in Ball Mill

9388 - See J. H. Pomeroy & Co., Inc.
Apex, Nevada - Install Liningsin Two New Rotary Lime Kilns; Firing Hoods; Dust Chambers; Preheaters; Stacks; and Lime Coolers

9556 - Henderson, Nevada
Repair Ball Mill Lining

9623 - Henderson, Nevada
Repair Dust Collector #1 Kiln
(A) - Repairs to Shim 65' of #1 Kiln Lining and #1 Preheater Chamber

9809 - Henderson, Nevada - Repair Ball Mill

9912 - Apex, Nevada - Line Dust Hopper;
Shim #1 Kiln and other msicellaneous repairs

9939 - Henderson, Nevada - Repair One Ball Mill

1043 - Apex, Nevada - Repairs to #26 Heater

1527 - Henderson, Nevada - Repairs to Ball Mill Furnace

5150 - KVS KILN & PREHEATER ARROWLIME
5703 Arrolime, Nevada Apex Plant 5/16/69
Furnish bricklayers to line
10 ft of Rotary Kiln

7040 Apex, Nevada 1/72
Fabricate Elbows

UNITED STATES LIME PRODUCTS CORP. (Continued)

7693	Henderson, Nevada Repairs to rotary Kiln Lima	5/73
7865	Nelson, Arizona Refractory linings lime calcining system	9/73
A	Pick up, prepare & deliver HW 3027 shortage	
B	Remove & replace poke hole blocks in preheater roof	
C	Point up bottom of NSA arch in preheater	
D	Add 3/8" plates to existing support beams as reqd	
E	Enlarge poke holes in sidewall of preheater	
8885	FLINTKOTE CO-Nelson, Ariz Repairs to Lime Kiln	7/75
9180	FLINTKOTE DIV-Nelson Ariz Repair to Lime Kiln	2/76
9469	Nelson, Arizona Repairs to Rotary Kiln & Preheater	10/76
9599	Nelson, Arizona Replace Refractory Dam on End of Kiln	1/77
10000	Kennedy Van Saun - Nelson Ariz Install Refractory Lining in Preheater Lime Kiln System	10/77
"A"	Sort Brick, Lay Out Ring & Advise KVS	
"B"	Furnish Extra Material	
"C"	Provide New Openings for Burner Pipe in Line 1	
"D"	Premium time reqd to repair the hood in line 1	
"E"	Furnish Extra Work	2/78
10204	Nelson, Ariz - Repairs to Preheater Roof on #1 Kiln.	2/78

UNITED STATES LIME PRODUCTS CORP

10544	Kennedy Van Saun - Nelson, Ariz Remove Downstream Dam & Replace with 12" RKB on #2 Kiln	9/78
"A"	Rebuild Curtain Wall in Transfer Chute of #2 Kiln	
10583	Apex, Nevada - Install Refractory Lining in Discharge End of Lime Kiln	10/78
12216	Nelson, AZ TRefoil #1 kiln	6/81
11833	FLINTKOTE/Nelson ⊠AZ Replace two 12Ft trefoils kiln #1	10/80
12421	FLINTKOTE CEMENT & LIME CO Nelson, AZ Repairs to #1 cooler	11/81

UNITED STATES MARINE CORPS

315 - See Marine Corps Base
San Diego - Boiler Repair

NO. 801-11 R IP U.S.A.

UNITED STATES MARITIME COMMISSION

3535 - See Consolidated Steel Corporation
Cl-B Cargo Vessels #156 to 159 incl. -
Eight (8) B. & W. Boilers

3892 - See California Shipbuilding Company
Repairs to #2 Shapes Furnace

4237 - See War Shipping Administration
Avalon, Santa Catalina Island - Training Station
Brickwork and Insulation of B. & W. Marine Type
Water Tube Boiler

UNITED STATES NAVAL AIR BASE

5721 - See OFCCO Construction Company, Inc.
San Diego - Reserve Fleet Berthing Facility
Brickwork & Insulation on Three (3) Union Iron
Works, Boilers
(Cancelled)

NO. 801-11 R ... U.S.A.

U S NAVAL STATION, PEARL HARBOR

8725 Teval Corp - 3/75
Refractory Linings Smoke Abatement
Facilities.

UNITED STATES NAVAL BASE
PUBLIC WORKS DEPT. - TERMINAL ISLAND

(Also under "Naval Hospitals"
and under "U. S. Naval Hospitals")

5586 - United States Naval Hospital - Corona
Brickwork Repairs to Firebox of One (1)
Cleaver-Brooks Boiler

6001 - United States Naval Hospital - Corona
To Reline Two (2) Model OB-20 Cleaver-Brooks
Boilers

U.S. 801-11 R IP U.S.A.

UNITED STATES NAVAL BASE LOS ANGELES
LONG BEACH NAVAL SHIPYARD

(Also under Naval Base, Los Angeles, U. S.)

6891 - Long Beach - Repairs to Boiler #1 of Heating Plant

UNITED STATES NAVAL ELECTRONICS LABORATORY

7333 - See Fernholtz Machinery Co.
Point Loma, California - To Repair Lining in
Harper Electric Furnace

UNITED STATES NAVAL HOSPITAL

(Also listed under "Naval Hospital")

2109 - San Diego - One (1) 300 h.p. Heine Type Boiler

2201 - Base Hospital - San Diego
Four (4) 72" x 18'-0" HRT Boilers

4183 - See Morse Boulger Destructor Company
Corona - Incinerator

4184 - See Wm. Simpson Construction Company
Corona - Incinerator Stack Lining

5062 - See Morse Boulger Destructor Company
Long Beach - Incinerator Alterations and Repairs

5124 - See Morse Boulger Destructor Company
Corona - Alterations to Incinerator

5413 - United States Naval Base - Public Works Department
Corona - Brickwork Repairs to Two (2) Class "J"
No. 15 Connelly Boilers

5586 - See United States Naval Base - Public Works Dept.
Corona - Brickwork Repairs to Firebox of One (1)
Cleaver-Brooks Boiler

5735 - See OFCCO Construction Company, Inc.
Corona - Brick Setting - One (1) Union Type L Blr.

6001 - See United States Naval Base, Public Works Dept.
Terminal Island
Corona - To Reline Two (2) Model OB-20 Cleaver-
Brooks Boilers

NO. 801-11 R HP U.S.A.

UNITED STATES NAVAL OPERATING BASE

2178 - San Diego - Repairs to Two (2) B. & W. Boilers

2201 - United States Navy Base Hospital - San Diego
Four (4) 72" x 18'-0" HRT Boilers

3587 - See R. G. Meyler
Golden & Trepte
San Diego - One (1) 4-drum YLC Boiler

NO. 901-11 R — IP — U.S.A.

UNITED STATES NAVAL RECEIVING STATION

6615 - Long Beach (Terminal Island) - Heating Plant -
To Repair Boilers #1 and #2

2115 - Long Beach - Repair & Reline 3 Boilers
Building #727 - U S Naval Station

UNITED STATES NAVAL REPAIR BASE

5722 - (Cancelled)
See OFCCO Construction Company, Inc.
San Diego - Brickwork - One (1) 400 h.p. Union Iron Works Boiler

NO. 801-11 R HP U.S.A.

US NAVY

8924	US Naval Shipyards/Tutor-Meyers Co. Long Beach Acid Brick Lining for Tank #14 in Plating Facility	8/75
8935	Naval Regional Procurement Office-L.B. USS Coral Sea-Terminal Island Rebricking Boilers 1A, 1C, 2A, 2B, 3A, 3C, 4A & 4C	8/75
9350	Long Beach - USS Henderson Nec Repairs to Boilers #1 & #4	7/76

UNITED STATES NAVY - NAVAL ORDNANCE TEST STATION

(Also under "Naval Ordnance Testing Station")

4660 - See Oil Field Construction Co.
Inyokern - Brickwork for Five (5) 299 h.p.
Union Iron Works Boilers

4907 - See English & Lauer, Inc.
Inyokern - Brick Setting for Three (3)
Economic Type #126 Boilers

6258 - See General Tire & Rubber Company of Calif.
Inyokern, China Lake, Calif.
Labor to Line G. E. Furnace

6282 - See General Tire & Rubber Company of Calif.
Inyokern, China Lake, Calif.
Repairs to Four (4) Ajax Furnaces

9865 - (In our shop) Labor & Material to Line One Ajax ~~Apex~~ Salt Bath Furnace (For China Lake)

1574 - Naval Ordnance Supply Depot
(Work performed at General Electric Plant, Sanford Street)
Tear out and Renew Lining of GE Furnace

UNITED STATES NAVY
OPERATING PLANT OF LOS ANGELES SHIPBUILDING & DRYDOCK CORP.,
TODD SHIPYARDS CORPORATION, MANAGING AGENT FOR U. S. N.
SAN PEDRO

4217 - S. S, "Hector" - Hull #59
Brickwork Repairs to Galvanizing Tank

4262 - Repairs to One (1) Electric Furnace

4279 - S. S. "Orson D. Munn"
Repairs to Two (2) Boilers

4299 - U. S. S. APA-2 - Repairs to Eight (8) Boilers
(A) - Miscellaneous Brickwork to Boilers

4314 - S. S. "Victor H. Kelley"
Repairs to One (1) Boiler

4349 - S. S. "Mercy" - Reline Bake Oven

4356 - M/V "Batumi" - Brickwork Repairs on Two (2) Blrs.

4380 - S. S. "Cape Johnson" - Boiler Patchwork

4398 - U. S. S. "Jason" - Hull #60
Repairs to Two (2) Table Top Forging Furnaces

4401 - S. S. "Tuttle" - Repairs to Two (2) Boilers

4428 - S. S. "Charles S. Jones"
Brickwork Repairs to Fireboxes of Two (2) Boilers

4457 - S. S. OA-39 - Repairs to Two (2) Boilers

U. S. PERLITE MANUFACTURING COMPANY
UNITED STATES PERLITE COMPANY (former name)

6374 - See Ehrhart & Arthur, Inc.
Los Angeles - To Install Refractory and Insulation Lining in an Expander Furnace

7053 - Los Angeles - To Rebrick Upper 10 ft. of Perlite Expander Furnace

7275 - Los Angeles - To Repair Perlite Furnace
U.S. Perlite Manufacturing Co.

7529 - Los Angeles - To Repair Lining of Perlite Furnace

7679 - Los Angeles - To Reline Upper $4\frac{1}{2}$ ft. of Perlite Furnace

NO. 801-11 R IP U.S.A.

12516	Ventrua, CA Repairs to F1 P-C heater	1/82
A	Repairs to auxiliary boiler	1/82
12940	Ventura, CA Repair AS603 Heater	1/83
13409	Ventura, CA Repair Convection Section	3/84
13675	Ventura CA Repairs to F601 Heater and 4 Hydrogen Reactors	10/84

U. S. PIPE & FOUNDRY COMPANY

2012 - Decoto - Supply only Instrument Panel and Controls

U. S. PIPE MANUFACTURING COMPANY

4417 - San Pedro - Labor Only
Brickwork Repairs to Small Forge Furnace

UNITED STATES POST OFFICE & COURT HOUSE BLDG.

3588 - Three (3) Heating Boilers

5694 - Federal Works Agency - Public Buildings Adm. Los Angeles - Alterations to Boiler Front of Boiler #1

U. S. POTASH COMPANY

2602 - See C. C. Moore & Co. Engineers
Loving, New Mexico
Two (2) Class VIII #23 Stirling Boilers

2728 - See C. C. Moore & Co. Engineers
Loving, New Mexico
One (1) Class VIII #23 Boilers

2787 - See C. C. Moore & Co. Engineers
Loving, New Mexico
One (1) Class VIII #23 Stirling Boiler

3550 - See C. C. Moore & Co. Engineers
Carlsbad, New Mexico
Class VIII #23 Boiler

4455 - See C. C. Moore & Co. Engineers
Loving, New Mexico
Stirling Boiler #6 Brickwork Setting

4717 - See C. C. Moore & Co. Engineers
Loving, New Mexico - Insulation Work

6569 - See C. C. Moore & Co. Engineers
Loving, New Mexico - Refractory Setting for
One (1) Single Class VIII No. 23 B. & W.
Stirling Boiler and Detrick ~~Flat-Suspended~~ Arch
Ignition

8418 - Carlsbad, New Mexico - Labor Only -
Brickwork Repairs, #1 Boiler

8626 - See C. C. Moore & Co. Engineers
~~Carlsbad~~ Loving, New Mexico - Refractories and
Insulation for One (1) B&W Class 250 No. 34
Stirling Boiler

U S REDUCTION COMPANY (ONTARIO, CALIF.)

5112	Labor to install refractories in heat chamber, fume hood, afterburners, stack transition and stack.	4/68
	'A' - Addit. material for guniting	5/68
	'B' - Supply temp. controller and dryout burners	6/68
5179	Install refractories in #52-68 alum reverb furnace (A-dryout burners; B-O/T premium pay; C-Install 3" brick paving in 3 concrete floor pits.)	5/68
5348	Repair floor of furnace	
5398	Repair #51-65 alum. melting furn	
5437	Furnish comb. equip. for alum. chip dryer	
5561	Repair #51 Furnace	2/69
5584	Repair #51 Furnace	2/69
5637	Repair #52 Furnace	4/69
5782	Repair #51 Furnace	7/69
5834	Repair #51 Furnace	8/69
5864	Repair #52 Furnace	8/69
	'A' - Repair Dryer Furnace	9/69
5912	Repair #1 reverb furnace	10/69
6062	Repair #51 and #52 Furnaces	12/69
6135	Repair #52 Furnace	12/69
6205	Repair # 51 Furnace	4/70
6229	Repair dryer furn	4/70
6276	Repair # 51 and # 52 furnaces	6/70
6317	Repair # 51 furnace	7/70

UNITED STATES REDUCTION

6358	Ontario)	8/70
	Repair # 52 furn.	
"A"	Repairs to afterburner	
6442	Repair boilers #51 and #52	10/70
6485	Repair #51 furnace	11/70
6544	Repair #52 furnace	1/71
11908	Fontana	1/81
	Labor only to install refractory lining in furnace #51	RCN
A	Furnish extra materials	
11961	Fontana	1/81
	Study on aluminum furnaces	WRS

U. S. REFINING COMPANY

293 - See Southwestern Engineering Co.
Davidson City, Calif.
Three (3) 70 h.p. HRT Boilers

UNITED STATES RUBBER COMPANY

6724 - See C. C. Moore & Co. Engineers
Los Angeles - Setting for One (1) B. & W. Class 231, #24 Stirling Boiler with Superheater, Air Heater, Oil and Gas Burners, Watercooled Furnace, Fans and Ducts

6975 - See C. C. Moore & Co. Engineers
Los Angeles - Brickwork Repairs Due to Superheater Alteration

NO. 501-11 R IPM U.S.A.

UNITED STATES SPRING & BUMPER CO.

Vernon

7227 - One (1) 36 x 7'6" Heat Treating Furnace
(A) - One (1) 36 x 7'6" Heat Treating Furnace
(B) - One (1) 36 x 7'6" Heat Treating Furnace
(C) - To rebuild Three (3) Small Arches
(D) - Draw Furnace Repairs

NO. 801-11R U.S.A.

7277 - Vernon
Steelwork and Refractory for Track Shoe Furnace
(A) - Steel Work & Refractory for Draw Furnace
(B) - Duct Insulation - Track Shoe Furnace

7282 - Vernon
To Rebuild 10 x 23 Ft. High-Heat Furnace
(A) - To Install New Floor Slot in Furnace

7882 - Vernon - To Install Piers in Bumper Bracket Annealing Furnace

7910 - U. S. Spring & Bumper Co.,-Los Angeles - To Reline Coil Spring Re-heat Furnace

8137 -Vernon - Install Two Detrick Curtain Walls

See Rheem Automotive Company
Division of Rheem Manufacturing Company

U. S. STEEL CORPORATION

3077 - American Bridge, Division of
Maywood
Install Refractories in Dip Tank Combustion Chamber

3327 AMERICAN BRIDGE Division of
(City of Commerce) Maywood Plant
Install lining acid proof in 5 pickle tanks, one pickle floor and one neutralizing tank tank and connecting ducts.

3365 AMERICAN BRIDGE Division of
Maywood
Provide labor and material to relocate and modify stress relief furnace

4397 Torrance
Repair stack on bloom furnace

4843 American Bridge Divn.
Vernon
Modify combustion system Thorpe plate heating furnace #F6747
A) Repair door jamb arch at north end of furnace

4896 Salem Brosius Inc. (Pittsburgh, Pa.)
Torrance, California
Install refractory lining in reheating furnace

5713 Torrance 5/22
Repairs to ingot heating furnace

5949 Torrance 10/16
Repairs to Ingot Furnace Stack

8228 Torrance 4/74
Furnish combustion and flame safety equipment for ladle heater lids

U S TILE

14606	Corona Repair roller hearth furnace	2/87
15143	Corona, CA Install lining in tile kiln	7-18-88

U. S. VANADIUM COMPANY

3629 - See Stearns Rogers Manufacturing Co.
Bishop, Calif.
Brickwork Repairs to Type "H" Boiler

7103 - See C. C. Moore & Co. Engineers - CANCELLED
Laws, Calif. - Brickwork for One (1) B. & W.
Class H-2 No. 21 Boiler

UNITED STATES OF AMERICA - WAR DEPARTMENT

4052 - Hickman & Ritter (See)
for J. & B. Construction Company
Engineers Corps
Birmingham General Hospital - Van Nuys
Three (3) Titusville Boiler Settings

4176 - Engineers Corps
Birmingham General Hospital - Van Nuys
Repairs to Boiler Damaged in Explosion

4829 - Post Engineer - L. A. Port of Embarkation,
Bldg. 232, Wilmington
Camp Ross (between Wilmington & San Pedro)
Installation of Brick Setting for One (1) #584
Kewanee Boiler for Land Based Training Ship

5284 - March Field - Riverside, Calif.
Repairs to Two (2) Erie City Water Tube Boilers

9618 - Los Angeles - Repairs to Tunnel Furnace

9635 - Los Angeles - Construct One (1) Two-Hearth
Aluminum Reverberatory Furnace and Stack

NO. 901-11 R 2IP U.S.A.

UNITED STEEL PRODUCTS CORPORATION

See: United Pacific Aluminum Corporation

UNIVERSAL CAST IRON MFG. COMPANY

2430 - South Gate
Install Refractory Lining in One
Quench Chamber and One Connecting Duct

(A) - Connecting on to Cupola

7182 South Gate
Combustion Equipment for
Cupola Afterburner

A- Labor and material to install
cupola after burner 6/30

UNIVERSAL OIL PRODUCTS COMPANY

7104	Air Correction Division UOP Darion, Connecticut American Cyanamid Azusa Repair Lining in NO_x Destructor	
"A"	Dryout of the lining	
"B"	Miscellaneous work assigned by UOP	
"C"	Additional work	
"D"	Modify Burner Tile	3/72
7185	American Cyanamid Azusa Tearout and Reline NOx Incinerator	
"A"	Dryout Refractory Lining	5/72

UNIVERSAL PROPULSION CO.

5665	Riverside	4/69
	Construct test furn.	WFB
7287	Riverside	
	Construct Test Furnace	7/24/72
AX- K	Install riping and control equipment.	9/21/72

UNIVERSAL-RUNDLE CORPORATION
UNIVERSAL SANITARY & MANUFACTURING CO. (former name)

6188 - See Swindell-Dressler Corporation
Mentone, Calif.
Brickwork for One (1) New Tunnel Kiln

9373 - See Swindell Dressler Corporation
Mentone - Brickwork Alterations to Dressler Tunnel Kiln

1373 - **Mentone - Remove #1 and #2 Baffle in Swindell-Dressler Kiln**

12002 Redlands 2/81
Install certain pressure switches and field electric work

NO. 901-11 R IP U.S.A.

UNIVERSITY OF ARIZONA

7111 - See C.C. Moore & Co. Engineers
Tucson, Arizona - Central Heating & Refrigerating Plant - Enclosure for Furnace and Boiler Walls of One (1) B. & W. FF-15 No. 32 Integral Furnace Boiler

7513 - See C. C. Moore & Co. Engineers
Tucson, Arizona - Central Heating and Refrigerating Plant - Enclosure for Second B & W. FF-15 No. 32 Boiler

UNIVERSITY OF CALIFORNIA - LOS ANGELES

2157 - See C. C. Moore & Co. Engineers
Two (2) Class X1 #18 Stirling Boilers

2287 - See C. C. Moore & Co. Engineers
Silocel Insulation for Two (2) Stirling Boilers

2599 - See Howe Bros.
Westwood - Physics & Biology Building
Insulation

2603 - See Thos. Haverty Co.
Westwood - One (1) Special Class "S" #26
Stirling Boiler

2637 - Westwood - Repairs to Boilers #1 and #2

2661 - Mundett & Son, Inc.
Insulation of Ducts and Coils

2793 - #1 Boiler Repairs

2911 - Repairs to Boilers #2 and #3

3369 - Los Angeles - To Rebuild Burner Wall in #3
Boiler, Class "S" #26

3569 - Boilers #1 and #2 Repairs

3737 - To Install New Burner Tile

4308 - Repairs to #3 Boiler Furnace

5960 - Los Angeles 24 - Royce Hall - Installation of
New Burner Tile and Furnace Repairs to One (1)
#3, 500 h.p. Stirling Boiler

6396 - See Haddock-Engineers, Limited
Riverside - Citrus Experiment Station -
Shop & Heating Plant Building -
To Install Stack Lining

7036 - See C. C. Moore & Co. Engineers
Westwood Village - Brickwork and Insulation for
Three(3) Single Class FF16, #48 Boiler

2418 - Westwood - Repair 8 Lance Doors on #3 Boiler

2530 - Los Angeles - Labor and material to
repair 8 Lance Doors on Boiler #1

UNIVERSITY OF CALIFORNIA (Contd)

3064 - Lawrence Radiation Laboratory
Mercury, Nevada
Line, Furnace Pipe

3316 Los Angeles
Repairs to boilers #1, #2 and #3.
(A) Misc. Repairs

3591 OFCCO CONSTRUCTION
Riverside
Repairs to boiler

3665 OFCCO CONSTRUCTION CO.
Riverside
Install refractories and insulation in one B & W FF12 #40 Boiler

4790 Los Angeles
Install superduty firebrick in front firebox wall

6194 La Jolla 4/70
Repair front wall boiler

UNIVERSITY OF CALIFORNIA AT LOS ANGELES

7599	Westwood Repairs to #1 and #3 Boilers	3/73
A	Additional repairs to #3 boiler	4/74

UNIVERSITY OF CALIFORNIA - RIVERSIDE

13218	Riverside, CA Rebuild front wall of babcock & wilcox boiler	10/83 RCN

UNIVERSITY OF SOUTHERN CALIFORNIA

6692 - See Morse Boulger Destructor Co.
Los Angeles County General Hospital, Los Angeles
Contagious Disease Research, Incinerator Building
To Furnish Labor and Material to
Construct One (1) Morse Boulger Destructor

7031 - See Morse Boulger Destructor Company
Women's Residence - Los Angeles
To Construct One (1) Model "E" Incinerator

110. 801-11 R HP U.S.A.

UNOCAL ([redacted] UNION OIL)

14772	Wilmington, CA FCC turn-around misc. repairs	7-14-87
14789	Wilmington, CA To re-insulate around new probe in convention section of B211 unit 110	7-27-87
14827	Wilmington, CA Repair boiler #2 Burner	9-11-87
14831	Wilmington, CA Concrete fire proofing unit 120	9-16-87
14836	Wilmington, CA Repairs to boiler #4, 6, 7 and 8	9-21-87
14881	Wilmington, CA Unit #138 necessary repairs	10-19-87
14884	Wilmington, CA Fireproof I-Beam	10-20-87
14912	Wilmington, CA Nesessary repairs to #5 boiler	11-18-87
14931	Wilmington, CA Repairs to burner wall of #4 boiler	12-8-87
14799	Wilmington, CA Repairs to Unit 100 heater	8-3-87
14965	Wilmington, CA Repairs to concrete pipe supports at Unit #33	1-7-88
14972	Wilmington, CA Unit 152 FCC Repairs	1-18-88
14997	Wilmington, CA Ethelyne dibromite tank support concrete repair	2-10-88
15016	Wilmington, CA Unit 27B1 Heater Stack Lining	3-2-88
14988	Wilmington, CA Repair #8 Boiler (New Burner)	2-3-88

UNOCAL (UNION OIL)

15023	Wilmington, CA Repairs to Unit #138 Reaction Furnace	3-15-88
15026	Wilmington, CA Repairs to Unit 27 heater B101	3-15-88
15048	Wilmington, CA Repairs to Unit 138 Sulphur Pit	4-10-88
15075	Wilmington, CA Repairs to B204 heater roof	5-19-88
15077	Wilmington, CA Repair #7 Boiler	5-20-88
15094	Wilmington, CA Unit 152 FCC turn around	6-8-88
15109	Wilmington, CA Paint shop foundation repair	6-23-88
15157	Wilimington, CA Unit 90 heater repair	8-2-88
15183	Wilmington, CA Repairs as necessary to refractory lining and new transfer line #120	9-1-88
15191	Wilmington, CA Necessary repairs to #6 boiler	9-12-88

UNOCAL CHEMICAL DIVISION

14136	Brea Repairs to secondary reformer	11-14-85
14275	Wilmington, CA Remove & replace FCC turnaround fire proofing on D601 vacuum tower	3-25-86
14282	Santa Maria, CA Afterburner refractory repair material only	4-3-86
14300	Wilmington, CA Repair #4 boiler	4-18-86
14305	Wilmington, CA Revise sample nozzels on thermal oxidizer	4-25-86
14326	Wilmington, CA Repairs to #8 boiler	5-13-86
14334	Arroyo Grande Boiler inspection B601	
14350	Wilmington, CA Misc heater repairs unit #100	6-5-86
14363	Wilmington, CA Repairs to Unit 138	6-18-86
14399	Wilmington, CA Repairs to #6 boiler	7-30-86
14415	Wilmington, CA Repairs to B201 heater unit 120	8-14-86
14429	Wilmington, CA Install castable on tubesheet	9-12-86

UPLAND CITRUS ASSOCIATION

6482 - Upland - Insulation - One (1) #125 Erie City Economic Boiler

UPLAND LEMON GROWERS ASSOCIATION

6068 - Upland - Boiler and Pipe Insulation

NO. 301-11 R PEE U.S.A.

UTAH CONSTRUCTION COMPANY

8472 - Stearns-Roger Manufacturing Co. (Joint Venture)
San Manuel Copper Corporation - San Manuel, Arizona
Install Insulation on Balloon Flue
(A) - Install Insulation on Sulphur Tank Tops
(B) - Fireproof Underside of Smelter Floor Area and Holding Furnace Area; To Insulate Slag and Matte Track Roofs

9196 - Southwestern Agrochemical Company
Chandler, Arizona - Install Brickwork in Sulfuric Acid Plant

UTILITY STEEL FOUNDRY Div. of UTILITY TRAILER MFG. CO.
(UTILITY ELECTRIC STEEL FOUNDRY - former name)

(See also Utility Trailer Mfg. Co.)

3458 - Repairs to Core Oven

3792 - Repairs to an Annealing Furnace

4519 - Repairs to Core Oven

4675 - Vernon - Repairs to Annealing Furnace

5649 - Vernon - Repairs to Annealing Furnace

Utility Steel Foundry

6631 - Vernon - Repairs to Core Oven

7202 - Los Angeles - Annealing Furnace Brickwork Repairs
(A) - Car Type Annealing Furnace 5'-0" x 9'-0" - Brickwork Repairs

7817 - Div. of Utility Trailer Mfg. Co. - Vernon
To Increase Length of Core Oven 5'-0"

8925 - Vernon - Repair Explosion Damage to Large Car Annealing Furnace

9841 - Vernon - Labor and Material to Construct One Heat Treating Furnace

UTILITY TRAILER MANUFACTURING COMPANY

(See also Utility Electric Steel Foundry)

3035 - Annealing Furnace Repairs

3049 - Core Oven

3099 - Door Lining

3185 - Core Oven Repair

3562 - Vernon - Repairs to Annealing Furnace Door

4481 - Los Angeles - Brickwork Repairs to General Electric Furnace

6797 - Los Angeles 33 - To Reline Electric Furnace

7065 - Los Angeles - To Reline Furnace Door

7317 - Los Angeles - Rebuild Rear Wall of Electric Furnace

7975 - Los Angeles - To Repair Furnace Brickwork

8318 - Los Angeles - Reline Furnace Door on G. E. Furnace

8559 - Los Angeles - Reline Door on G. E. Furnace

8913 - Puente - Renew Roof Charging Door, and Rear-Wall Brickwork on Insulation on General Electric Furnace

9384 - La Puente - Reline Door on G.E. Furnace To Reline Small Knapp Forge

Edmond J. VADNAIS (Etiwanda, Calif.)

6152 Shell Chemical/Dominguez 12/69
Acid brick lining in 4 manholes

VALLEY BRASS

7779	Alhambra Install linings in furnaces	7/73
7895	El Monte Install lining in furnace	10/73
7961	El Monte Install lining in furnace	11/15
8054	El Monte Install lining in furnace	1/74

VALLEY LINEN SUPPLY

2925 - See Southern Service Company
Boiler Repairs

5056 - See Squthern Service Company, Ltd.
San Bernardino - Repairs to B. & W. Setting

7046 - See Southern Service Co., Ltd.
San Bernardino - To Renew Firebox Lining in a B. & W. Boiler

NO. 901-11 R HP U.S.A.

VALLEY NITROGEN PRODUCERS INC

7468	El Centro	
	Repair primary reformer.	12/72
	A - repair bross boiler	12/72
7940	Agriform	
	Imperial, CA	
	Supply combustion system and flame safete panel	11/5
8476	Redman Equipment	9/74
	Furnish & Install Corlok Castable & Furnish Ceramic Fiber Blanket for Heat Exch. Tube Bundle in Nitric Acid Plant	
8779	El Centro-Nec Repairs to Hydrogen Furn.	4/75
8876	El Centro - Labor & Mat'l to repair Erie City Boiler.	6/75
9483	SF Pack Co Inc - El Centro	9/76
	Burner Conversion on Erie City Boiler #13	
"A"	Supply Burner Casing	11/76
"B"	Extra Labor & Materials	
11217	El Centro	10/79
	Repairs to primary reformer	

VAN CAMP SEA FOOD COMPANY

2459 - See C. C. Moore & Co. Engineers
San Diego - Class HIII #14 Stirling Boiler

5581 - See QFCCO Construction Co., Inc.
San Diego - Brick Setting -
One (1) Single, Type "A" Union Bent Tube Boiler

NO. 901-11 R IP U.S.A.

VAPOR ENGINEERING CORPORATION

8993 - Harvey Machine Co., Inc. - Torrance
Install Lining in Heat Treating Furnace Sleeve and Floor Pad

2825 - Industrial Systems

Chevrolet Plant - Van Nuys
Brick Two (2) J.O. Ross F15 Heaters,
Labor only

4699 INDUSTRIAL SYSTEMS CO
DAY & NIGHT MANUFACTURING CO
City of Industry
Design and supply two (2) fume incinerators

NO. 601-11R U.S.A.

VEEDER, J. K.

8687 - 2450 Roscomare Road, West Los Angeles
Build a Red-brick Garden Wall at His Residence
(A) - Fireplace Alterations for C. P. Altland

VEGA AIRCRAFT CORPORATION

4287 - See E. Keeler Company
Burbank - Brick Setting - One (1) 350 h.p.
Keeler Type "CP" Boiler

NO. 801-11 R IPM U.S.A.

VEGETABLE OIL PRODUCTS COMPANY, INC.

361 - Wilmington - Monolithic Baffle and Repairs

2898 - Wilmington - Three (3) Class VIII #12 Stirling Boilers

2983 - Repairs to Gas Generator

3087 - Wilmington - Firebox Repairs

4770 - Wilmington - Schultz Hydrogen Generator - Brickwork Repairs

5639 - Wilmington - Repairs to B. & W. Boiler #3

5754 - Wilmington - To Install New Burner and To Repair Bridge Wall of Superheater

6012 - Wilmington - Repairs to Boiler

6754 - Wilmington - Necessary Repairs to Boiler

6770 - See C. C. Moore & Co. Engineers
Wilmington - To Remove and Replace Brick Covering on Top of Circulating Tubes and Drums, and Remove and Replace Baffle Tile on One (1) Class VIII No. 12 Stirling Boiler

6984 - Los Angeles County
(Plant formerly owned by W. C. Hardesty Co., Inc.)
To Install #4 Fatty Acid Pot Still
(A) - To Repair #1 and #3 Stills

7831 - Wilmington - To Renew Bridge Wall and Brickwork around Access Door

7881 - Vernon, Calif. - Annual Miscellaneous Plant Repairs

7906 - Wilmington - New Bridge Wall in #4 Boiler

8076 - See C. C. Moore & Co. Engineers
Wilmington - To Remove and Replace Brick Covering on Top of Circulating Tubes and Drums; Remove and Replace Baffle Tile on One (1) Class VIII #12 Stirling Boiler
(A) - To Rebuild Arch in #2 Boiler } - Vegetable Oil Pro.
(B) - To Rebuild Arch in #3 Boiler } (Direct)

(contd.)

(See Emery Industries)

VEGETABLE OIL PRODUCTS CO., INC. (contd.)

8793 - Wilmington - Tear Out and Renew Bridge Wall and Arch over Burner of #3 Boiler

8920 - Wilmington - Repairs to #2 Boiler

9244 - Wilmington - Repair Brickwork in #4 B&W Boiler

9279 - Wilmington - Boiler No. 2 - Repair Piers & Relieving Arch over the Burner

9666 - Wilmington - Brickwork to Repair #2 and #3 Boilers

1041 - Wilmington - Repairs to #3 Boiler

(See now Emery Industries)

JOHN VEILLION

13672 John Veillion/Texaco Research 10/84
Montebello CA
Pump Void Hot Spot in Gasifier

VENTECH

10960	Bakersfield – Mohawk – Furnish and install refractory lining for muffle Furnace in sulfur recovery plant	5/79

12578	PATHWAY BELLOWS Carson Yard Install refractory lining in three expaasion joint assemblies	3/82 RCN

VENTURA COUNTY HOSPITAL

7794 - See C. C. Moore & Co. Engineers
Ventura - To Rebuild Front and Rear Walls
in Two (2) B. & W. FM-21 Boilers Damaged
in Transit

VERNON, CITY OF

2655 - See Thomas Machinery Company
Insulate Evaporator Equipment
(Job turned over to Marine Eng. & Supply Co.)

NO. 801-11 R IP U.S.A.

VERNON KILNS

Formerly: Vernon Potteries, Inc.

Vernon Potteries, Inc.

2554 - Kiln Brickwork

Vernon Kilns

6265 - See Swindell-Dressler Corporation
Vernon - To Install Brickwork for One (1) Tunnel Kiln

6334 - Vernon - To Install Burners in Prouty Kiln

NO. 901-11 R IP U.S.A.

VERNON LUMBER COMPANY

219 - Detrick Arch Material

NO. 301-11 R IP U.S.A.

VERNON TOOL COMPANY

2799 - Maier Brewing Company
Repairs to Stirling Boilers

NO. 801-11 R IP U.S.A.

VETERANS ADMINISTRATION

2152 - See T. E. Thomas Plumbing & Heating Co.
Tucson, Arizona
Four (4) 72" x 18'-0" HRT Boilers

2814 - Sawtelle - Incinerator

6317 - See OFCCO Construction Company, Inc.
Sawtelle - Refractory and Insulation Enclosure for Two (2) New 50,000 lb. per hr. Union Iron Works Boilers and One (1) Relocated 500 h.p. Badenhausen Boiler
(A) - To Repair a section 2 ft. x 2 ft. in North Side Wall of Dutch Oven in North Boiler

7565 - See Ofcco Construction Co., Inc. - Sawtelle - Setting for One (1) Union Iron Works Type, "A" Boiler
(A) - To Install Refrac Insulation on Front of Boiler

7710 - See S. Glen Hickman Company - Sepulveda, Calif.
Installation of Medical-Waste Incinerator

2774 - Sawtelle -
Labor and material to remove and replace refractory lining in High Heat Zone Boiler #3 Building #295

3161 Remove and replace refractory lining in high heat zone of Boiler No. 2, Bldg. 295

3690 San Fernando
Repairs to incinerator, Bldg. 44

5639 Long Beach 4/69
Repair and replace ceramic tube burner in boiler DEA

NO. 801-11 R ZIP U.S.A.

VICTOR TALKING MACHINE COMPANY

2246 - See C. C. Moore & Co. Engineers
#18 Erie Boiler

2445 - See C. C. Moore & Co. Engineers
One (1) #144 Economic Boiler

NO. 801-11 R IP U.S.A.

VICTORVILLE LIME ROCK COMPANY

5966 - See J. B. Gill Company
Victorville, Calif. - Installation of 4" Hewn Stone Lining in One (1) 8'-0" dia. x 20'-0" long Pebble Mill

1435 - Lucerne Valley, Calif

Install 4" Hewn Silica Stone Lining in One (1) 8' Dia. 21' long Ball Mill.

NO. 801-11 R HP U.S.A.

VIEW PARK HOSPITAL

4783 Los Angeles
Repair incinerator

VILLA ITALIA APARTMENTS

7895 - Hollywood 46 - To Install Smoke Elimination Unit

9636 - Hollywood - Repair One (1) Afterburner Unit

VINNELL COMPANY INC.

8743 - Harvey Aluminum, Div. of Harvey Machine Co., Inc. Torrance - Install Fire Brick in Floor Areas around Remelt Furnaces at New Manufacturing Facilities

VIRGINIAN GAS & OIL COMPANY

6385 - See C. F. Braun & Co.
Hubball, West Virginia - Refractories and Insulation for One (1) 12 x 12 x 20 Fired Heater--
Material Only

NO. 901-11 R IP U.S.A.

VISTA METALS COMPANY

1666 - Montclair, Calif - Install Refractory Lining in Aluminum Furnace

7626	F	7626	
	De	A	#1 Melter
	al	B	#2 Melter w/fume burner
		C	Aluminum homogenizer
7827		D	Rework Alum Homoginizer
	Cor	E	Air piping rework Melter #1
	filt		

7883	Fontana Two preheat furnaces	9/73
8028	Fontana labor and matl. to insulate the two corners of the vertical walls in the well of #2 furnace with 3½";IRC22	1/3
8111	Fontana Repairs to melting furnace	2/74
8230	Fontana Furnish all refractory material for repair to reverb furnace	4/74
~~8260~~	~~Fontana~~ cancelled 4/75 Design and construct ~~new 60,000# reverb furnace~~	~~5/74~~

VISTA METALS CO (Cont)

8293	Fontana Repair tapout block opening #2 furnace	6/74
8305	Fontana Repairs to sweat furnace	6/74
A	Repair holding furnace	
8316	Fontana Drain out block repair No. 1 furnace	6/74
A	Rpplace tapout block	
8502	Fontana Misc Repairs to Furnaces #1 & #2	10/74
"C"	Homogenizer (no A & B job)	
8774	Fontana–Repair Arch in Sweat Furnace Holding Unit.	4/75
8775	Fontana–Repairs to Holding Furnace	5/75
8878	~~Fontana – Replace #2 Furnace Door Sill Jambs & Lintel.~~ cancelled 7/75	~~7/75~~
8912	Fontana – Repair Thermocouple Well	7/75
9710	Fontana – Design & Supply Aluminum Homogenizing Furnace w/2 Additional Log Pads	3/77
9749	Fontana – Install Refractory Lining in One Alcoa Filter Box.	5/77
9909	Fontana – Refr Repair of Filter Box	8/77
"A"	Repair Afterburner	
9916	Fontana – Repairs to #1 Reverb, Remove & Replace Jamb & Seal, and Repair MSA Arch	8/77

VISTA METALS

10036	Fontana - Design & Install Double Drive System #1 Homogenizer	10/77
"A"	Refractory Repair of Homogenizing Furn.	
10054	Fontana - Repairs to #1 & #2 Furnace	11/77
10059	Fontana - Rebuild Aluminum Melter	11/77
"A"	Tearout of Existing Refractory	
"B"	Repair Lintels	
10206	Fontana - Labor & Matl to Install Refractory Lining in Chip Melting Furnace.	2/78
"A"	Supply Combustion Equip.	
"B"	Supply Control System	
"C"	Refractory Lined Afterburner	
"D"	Install Insulating Castable on upper sidewall of wells	
"E"	Install Comb. Equipment	
"F"	Install Control Panel	
10262	Fontana - Repair Reverb Lintel	3/78
10365	Fontana - Labor and Material to Line Sweat Furnace.	5/78
"A"	Labor & Material to Install 4" Lining in 15" ID Flue Stack	
10458	Fontana - Reline #1 Chip Melting Furn.	8/78
10571	Fontana - Repairs to #2 Melting Furnace	10/78
10613	Fontana - Replace Portion of Detrick Roof #2 Melter	11/78
"A"	Furnish Labor & Matl to Replace Castable Sill in #1 Melting Furnace	

VISTA METALS (Cont'd)

10720	Fontana-Fuel Oil System Equip. for #1 Alyminum Chip Melting Furnace	1/79
10778	Fontana-Repairs to Chip Melting Furnace	2/79
11132	Fontana Design and construct homogenizing furnace	8/79
12250	Fontana, CA Design and construct homogenizing furnace and two load pads	7/81 WRS
12346	Fontana, CA Recuperator & Sow heater for #1 melter	9/81 WRS
12362	Fontana, CA Repairs to North & South Homogenizing furnace	9/81
12457	Fontana Repairs to normalizing furnace	11/81
12640	Fontana Homogenizier spare parts	4/82 RBC

VISTA METALS

12763	Fontana, CA Homogenizer draft control	8/82 RBC
13 025	Fontana, CA Design and c o nstruct #2 melter 18MM BTU recuperator and preheater system	4/83 CRS 4/83
A	Furnish and install temp recording instrum 6 color coded points	 7/83
B	Redesign and furnish steel to move door hoist and lifting chain to east side of furnace	 7/83
13147	Fontana, CA Replace jambs sill and lintel of charge door and apply 2" gunite inside wall surface #2 melting furnace	CRS 8/83
13236	Rework #1 melting furnace recuperator system (original job 12346)	11/83 CRS
13244	Fontana, CA Raise flue arch #1 Melter	11/16
13269	Fontana, CA Burner modification #1 Aluminum Melter	12/6
13360	Fontana, CA Inspect and clean recuperator section #2 melter	2/13
13378	Fontana, CA Modification to #1 Melter Door hoisting mechanism	3/2

VISTA METALS

13457 Fontana CA
Repairs to Ingot Heater Door #1 Mwelter and Clean Recuperator Section 5/84
A- Material Sale

13471 Fontana CA
Installing Single Burner Operation #1 Melter 5/84

13535 Fontana, CA
Waste Recuperator Syatem for #3 Melter 7/84

13583 Fontana, CA
To clean #2 Melter recuperator
A- Install new lining in flue cover assembly 9/84

13619 Fontana CA
#3 Draftuators 9/84

13663 Fontana Ca
Revise #2 Melter to Provide single Burner Operation 10/84

13668 Fontana CA
Modification to #3 Melter Door hoisting mechanisum 10-84

13674 Fontana CA
Clean Tubes of #1 Melter Recuperator and Inspect 10-84

13773 Fontana CA
Clean and inspect #2 Recuperator and make necessary repairs to Ingot Heater #2

13877 Fontana
Repairs to #2 Ingot heater 3-85
A- Clean recuperator bundle #1 melter
B- To supply Ingot heater for wheel and shaft 3-85

VISTA METALS

13899 Fontana
Furnish 3 Screws for Ingot Heater 4/85

13902 Fontana
Homogenizing Fan Bearing
Replacement 4-85

13906 Fontana
Insulate electric control panel
and tune 4-85

13913 Fontana
Clean #2 recuperator 4-85

13931 Fontana
Engineering time drawings for
Chipmelter 5-85

13955 Fontana
to clean #3 recuperator 5-85
A- Apply insulation around
circulating for housing #2 Ingot
heater & 1 coat of ridizer on
block lining #2 Ingot heater

14017 Fontana
Provide & install control instruments
for deletion air control #1,2 & 3 melting
furnaces 7-85

14067 Fontana
Clean #2 recuperator 9-85
A- Repair recuperator overhead
lining & burner internals

14100 Fontana
Design & Construct 150,0001b
Aluminum Chipmelter w/recuperator
and Bayhouse 10-85

VISTA METALS

14141 Fontana
Provide Eng.& Installation
for Chip Melting Facility 11-85

14150 Fontana
Clean & Inspect recuperator
No. 3 Alum Melter 11-85

14265 Fontana
Hi-temperature flame safety

14294 Fontana
Clean #1 recuperator 4-14-86

14306 Fontana
Install new fans for homogenizer 4-25-86

14318 Fontana
Clean #1 recuperator 5-7-86

14332 Fontana
Necessary repairs to #1 melter 5-22-86

14342 Fontana
Lining spare door aluminum furnace 5-29-86

14369 Fontana
Install filter module in homogenizer 6-26-86

14390 Fontana
Repair #1 Melter 7-10-86

VISTA METALS (Fontana)

14492	Repair #3 furnace	11/86
14495	Replace manual reset valve #1 chip melter	11/86
14498	Repair #1 chip melter stack	11/86
14525	Repairs to #1 stack chip melter	12/86
14559	Repairs to recuperator	12/86
14614	Repairs to furnace door	2/87
14667	Refractory maintenance #2 chip melter	3/87
14690	Repair melters #2 and #3	4/87
14702	Spare melter door	5/87
14743	Repair #1 melter and recuperator	6/87
14755	Repair #1 billet melter recuperator	6/87
14796	Fontana, CA Repair bachouse	7-31-87
14826	Fontana, CA Repair #3 recuperator	9-11-87
14834	Fontana, CA Repairs to #3 Lintel Furnace	9-16-87
14859	Fontana, CA Refractory modifications to chip melter weld	10-5-87
14892	Fontana, CA Repairs to baghouse Heat control damper	11-2-87
14782	Fontana, CA Spare Metal Door	
14943	Fontana, CA Clean recouperator	12-15-87

VISTA METALS (Cont.)

14971	**Fontana, CA** **Floor Flush Homo Pads & Digitective**	**1-15-88**
14974	**Fontana, CA** **Repair Chip Melter Door**	**1-18-88**
15071	Fontana, CA Cold clean & replace to sill on chip melter	5-16-88
15192	Fontana, CA Refractory damper for baghouse heat control	9-13-88

VISTRON CORP

6668 Silmar Division - Hawthorne
Precast 3 Burners and 6 refractory sleeves
(At ~~it~~ Yard) 4/71

VITRIFINISH, INC.

9500 - La Puente - Design and Construct One (1)
Enameling Furnace

VITREFRAX COMPANY

2172 - 40' Extension to Tunnel Kiln

2205 - Rotary Kiln Lining

2833 - (Cancelled) - Repairs to Tunnel Kiln

3325 - Repairs to 35'-0" Section Tunnel Kiln

3600 Tunnel Kiln Brickwork

3657 - Tunnel Kiln #1 Repairs

3744 - Tunnel Kiln #2 Repairs

3860 - To Install New Crown on Downdraft Kiln #5

NOTE: Out of business.

NO. 901-11 R IPar U.S.A.

HENRY VOGT MACHINE

14174	Vernon Install 6" lining in Coal Generation Duct	12-13-85

VULCAN MATERIALS COMPANY

(now Thacker Aluminum) see

J. T. THORPE
JOB BOOKS
ALPHABETICAL
ORDER:
W-Z

NATIONAL STAT
INTERNATIONAL
COUNTRIES.

WAGSTAFF ENGINEERING

14032 Spokane WA
2 Alum Tilting furnaces 20,000#
5,000# 8-85

/ WALDINGER CORPORATION

12328	U S BORAX & CHEMICAL Wilmington, CA Repair spray dryerx	9/81

WALKER, P. J., COMPANY

3846 - See C. C. Moore & Co. Engineers
Manganese Ore Company - Royson, Nevada
Two (2) Waste Heat Boilers

3847 - See C. C. Moore & Co. Engineers
Manganese Ore Company - Royson, Nevada
Three (3) Class HIV #24 Stirling Boilers

3887 - Manganese Ore Company - Royson, Nevada
Rotary Kilns and Acid Tanks

7971 - Joseph Schlitz Brewing Co., Los Angeles -
Grains and Yeast Drying Bldg - Brickwork for
Two (2) Heil Grain Dryers

WALLACE CHINA COMPANY, LTD.

9396 - Los Angeles - Repair China Kiln

2238 - Los Angeles - Repairs to #4 Allied Kiln

2395 - Vernon - Labor only to install refractories in high speed tunnel kiln.

(A) - Rebuild Burner Ports

(B) - Install Brick Duct

WALLACE WELDING WORKS

7672 - Wilmington - Necessary Repairs to Two (2) Boilers on Dredge Barge

WALLINDER CORPORATION

13349 Los Angeles, CA 2/6
Spare parts for Sarchesmeh plant

WARCO

8735 Paramount 3/75
Install Lining in 2 Concrete Pits.

CHAS. E. WARDMAN, Inc.

3179 Shell Oil Co.
Wilmington, Calif.
Install refractories in Heaters # 21 and #27

3309 SHELL OIL COMPANY
Dominguez
Insulate top of cyclones

3321 GENERAL CHEMICAL
El Segundo
Labor and material to install brickwork around 14" OD nozzle in existing boiler.

7176 Standard Oil Company
El Segundo
Laying Brick in Precipitator Floor 4/72

WAR SHIPPING ADMINISTRATION -
UNITED STATES OF AMERICA

4237 - U. S. Maritime Training Station
Avalon - Santa Catalina Island
To Install Brickwork and Insulation -
B. & W. Marine Type Water Tube Boiler

44C2 & (A) - C/o Pope & Talbot, Inc.
McCormick Steamship Division
Wilmington - Berth #146
S. S. "Frances Parkman" - Repairs to Galley Range

4446 - Los Angeles Tanker Operators, Inc., Gen. Agents
San Pedro - 369 W. 7th St.
S. S. "Scotts Bluff" - Repairs to Boiler

WARE, W. ROY, BUILDING CONTRACTOR

8630 - Anchor Post Products, Inc. - Whittier
Galvanizing Plant - Acid-Proof Brick Lining
for Acid Tank 14'-0"x26'-0"x3'-0"

WARNER BROS.-FIRST NATIONAL STUDIO

3058 - To Reline Incinerator

NO. 801-11 R — IP U.S.A.

WARNER, J. G. - Residence

6548 - Whittier - To Construct Fireplace

WARNER WELDED PRODUCTS

5309 - Glendale - C-E Brazing Furnace

5703 - Glendale - To Reline G. E. Furnace

WATERMAN CORPORATION OF CALIFORNIA

Formerly: Waterman Steamship Corp.

7354 - Long Beach - S. S. "Hadaket" - To Renew Front Wall, Floor, Side Walls & Patch Chrome Ore in Port Boiler

Waterman Corporation of California

7503 - Long Beach, Berth 18 - S. S. "Fair Isle" Renew Entire Floor and Back Wall, Patch Front Wall & Put Chrome Ore Between Tubes in Two (2) Side Walls of Port Boiler

7583 - Long Beach 23 -- S. S. "Topa Topa" Necessary Repairs to Port Boiler

7659 - Long Beach - S. S. "Fairisle" - To Renew Front Wall and Rear Wall on Starboard Boiler

7876 - Wilmington - S. S. "Mobilian" - Necess. Repairs to Starboard Boiler

4354 Long Beach
"SS Iberville"
Rep starboard boiler

NO. 801-11R © U.S.A.

WATSON CARBON AND CHEMICAL (Wilmington, Ca.)

(division of Harvey Aluminum)

5229	Repair kiln.	6/68
5490	Repair kiln.	12/68
5587	Install 18' of lining in kiln	2/69
5587A	Repair hot patch.	4/69
5693	Repair kiln	5/69
5841	Ram plastic in foors	8/69
5925	Repair kiln lining	10/69
6064	Line one door	1/70
6331	Repair kiln and settling chamber	7/70
6406	Repair chute below firing hood	9/70
6540	Furnish and install combustion chamber preheat burners	12/70
6583	Rotary Cooler-Refractory Lining	2/71
6621	Repair Kiln and Cooler Chute	3/71
6750	Repair Kiln Lining	6/71
6789	Repair Kiln Lining	
6841	Long Beach Necessary Repairs to Kiln	8/71
6916	Nec. Repairs to Kiln lining	10/71
"A"	Gunite #1 Kiln tail end	10/71
7041	Repairs to Cooler Chute on Kiln	1/72

WEAVER ROOF COMPANY

251 - Incinerator

WEBBER AIRCRAFT

7816	Burbank Necessary repairs to annealing oven	
"A"	Line door	8/73
7873	Burbank Insulate hood over heat treat furnace	9/73

WEBER BAKING COMPANY

9119 - Los Angeles - Rebrick Fireboxes on Two (2) Dixon Scotch Marine Boilers

WEBER, O. J., INC.

2022 - Pasadena Cooperative Dairy
Repairs to One (1) 15 h.p. HRT Boiler

WEIL, MAX, OF CALIFORNIA

6249 - Los Angeles - Brickwork Repairs to Pottery Kiln
(A) - Repairs to #1 Kiln
(B) - Repairs to #1 Kiln
(C) - Repairs to #1 Kiln

6416 - Los Angeles - Kiln Repairs

6719 - Los Angeles - Tunnel Kiln - Brickwork Repairs

I.O. 801-11 R - IP - U.S.A.

WEINER METALS

9801	Paramount Labor & Material to Line 2 Rotary Brass Furnaces	5/77
"A"	R epairs to Lead Reverb	9/77
10033	LA - Rotary Furnace Repair	10/77
10131	LA - Install Brick in Burner Throat 15 Ton Rotary Furnace	12/77
10234	LA - Repair 15 Ton Rotary Furnace	2/78
10309	Paramount - Install Refractory Lining in 7.5 Ton Rotary Brass Furnace	4/78
10428	Paramount - Replace Conical Burner End Section of 15 Ton Rotary Brass Furnace.	7/78
10506	Paramount - Nec Repairs to Charge End of 15 Ton Rotary.	8/78
10551	Paramount - Supply Partial Materials & All Labor to Install New Lining in 15 Ton Rotary Brass Furnace	9/78
"A"	Supply Extra Material	
10610	Paramount - Furnish Refractory & Labor to Line New Rotary Brass (#3) Furnace and Afterburner	11/78
10724	Paramount-Reline Half of 7½ton Rotary	1/79
10744	Paramount-Repairs to charge end of 15 Ton rotary furnace	1/79
10762	Paramount-Supply labor & partial material to line #1 rotary 15 Ton brass furnace	2/79

WEINER METALS

10906 Paramount – Repair charge end of # 1 Boiler 4/79

10951 Paramount – Install refractory lining in #2 rotary brass furnace 75T 5/79

11019 Paramount
Install refractory lining in #1 rotary brass furnace 7/79

11121 Paramount 8/79
Repairs to burner cones on #3 rotary brass furnace

11193 Paramount 10/79
Reline #3 rotary

11222 Paramount 10/79
Reline #1 rotary furnace

11267 Paramount 11/79
Repair charging cone #2 rotary

11330 Paramount 12/79
Reline #1 15 ton brass roatry furnace

11382 Paramount 1/80
Repairs to #2 –7½ ton rotary brass furnac e

WEINER METALS

11460	Paramount Repairs to #3 rotary furnace	3/80
11488	Paramount Nec. repairs to #1 furnace	3/80
11511	Paramount Repairs to #3 rotary brass furnace	4/80
11558	Paramount Ram cone #1 rotary	5/80
11617	Paramount Repair burner to #3 rotary	6/80
11644	Paramount Reline #2 rotary furnace	6/80
11665	PARAMOUNT Reline #1 rotary	7/80
11757	Paramount Repair burner cone #3 rotary	9/80
11842	Paramount Repairs to brass furnace	10/80
11896	Paramount Repair burner cone #1 rotary furnace	12/80

WEINER METALS

11984	Paramount Repairs to #2 rotary	1/81
12003	Paramount Repairs to #1 rotary furnace	2/81
12049	Paramount Rebuild #1 rotary furnace	3/81
12110	Paramount Repair #3 rotary	4/81
12187	Paramount Rebuild #3 brass rotary	5/81
A	Rebuild #2 brass rotary	
12229	Paramount Repair #1 rotary	6/81
12320	Paramount, CA Repair burner cone #1 rotary furnace	8/81
12348	Paramount, CA Repairs #3 rotary burner cone	9/81
12393	Paramount, CA Repairs to #2 rotary furnace	10/81

WEINER METALS

12423	Paramount, CA Rebuild #1 rotary	11/81
12495	Paramount, CA Rebuild #2 rotary	1/82
12490	Paramount, CA Repair #3 burner cone	12/81
12559	Paramount, CA Rebuild #3 rotary	2/82
12601	Paramount, CA Repair #1 rotary	3/82
12628	Paramount, CA Line #2 rotary furnace	4/82
12658	Paramount, CA Repairs to #1 ~~roata~~ rotary	5/82
12761	Paramount, CA Repairs to #2 rotary furnace	8/82
12767	Paramount, CA Repairs to #1 burner cone	8/82

WEINER METALS

12879	Paramount, CA Rebuild #1 rotary furnace	12/82
A	Repair burner rotary furnace	
12944	Paramount, CA Repair #2 burner cone	2/83
A	Repair #3 burner cone	
12980	Paramount, CA Repair #3 burner cone	3/83
13011	Repair #3 rotary furnace	4/83
13028	Repairs to #2 rotary	4/83
A	Furnished ~~xxxxxx~~ material	7/83
13046	Repair #1 rotary furnace	5/83
13067	Repairs to #3 rotary	6/83
13119	Repair #1 burner cone	7/83
13217	Repair #1 & #2 rotary	10/83
13240	Paramount, CA Build #1 Rotary furnace	11/14
13295	Paramount, CA Rebuild #3 Rotary Brass furnace	12/22
13334	Paramount, CA Rebuild #2 rotary	1/25
A	Additional work	1/27

WEINER METALS

13405	Paramount CA Rebuild #1 Rotary	3/84
13536	Paramount LCA Reline #2 Rotary	7/84
A-	Additional Repairs	
13557	Paramount, CA Rebuild #3 Rotary Hearth Furnace	7/84
13572	Paramount CA Reline #2 Flue	7/84
13624	Paramount CA Reline #1 Rotary	9-84
13723	Paramount Ca Reline # 3 Rotary Furnace	11-84
13829	Paramount CA Repair #1 Rotary Furnace	2/85
13999	Paramount Repair #3 furnace	7-85
14105	Paramount Repairs to # 1 Rotary	10-85
14197	Paramount To rebuild #3 rotary	12-85
14260	Paramount Rebuild #2 Rotary	3-13-86
14317	Paramount Reline #1 Rotary furnace	5-6-86
14321	Paramount Engineering Service	5-8-86

WEINER METALS

14394	Paramount Repairs to Furnace	7-7-86
14392	Paramount Repairs to #3 Rotary	7-15-86
14412	Paramount Repairs to #1 Furnace	8-13-86
14413	Paramount Repairs to #2 Furnace	8-13-86
14435	Paramount Install 2 U. S. Rotary Furnaces	9-8-86
14440	Paramount Repair 4 Lead Pots	9-11-86

WESCO STEEL ROLLING MILLS CORPORATION

1158 - Los Angeles - Labor Only to Install 90-Ram Skids in Walking-Beam Furnace

WESLOCK COMPANY

2116 - Huntington Park
Reline Pot

2166 - Huntington Park -
Labor and material to install Brikram
in Melting Pot

3354 Huntington Park
~~Super Brikram~~
To install plastic in pot furnace

WEST COAST GLASS COMPANY

451 - Repair Work on Glass Furnace

WEST COAST PAPERBOARD MILLS

3732 - One (1) 250 h.p. Llewellyn Boiler

WEST COAST REFINING COMPANY

433 - Richfield, Calif. - Foundation for Two (2) Standard Water Tube Boilers

434 - Richfield, Calif. - Erection of Two (2) Standard Water Tube Boilers; Two (2) Supports, and Moving One (1) Boiler

435 - Placentia, Calif. - Brickwork on Two (2) 250 h.p. Shipping Board Boilers

436 - Placentia, Calif. - San Joaquin Furnaces for Two (2) Standard Water Tube Boilers

471 - Placentia - Delivery of San Joaquin Material

2007 - Allowance on San Joaquin Tubes

2047 - Renew San Joaquin Furnaces in Two (2) Boilers

2062 - Placentia - Repairs to Two (2) Boilers

2075 - Delivery of Material

2081 - Placentia - Shipping Board Boiler Repairs

2117 - Placentia - Delivery of Material

2121 - Placentia - Repairs to Shipping Board Boiler

2127 - Placentia - Repairs to Standard Marine Boiler

2761 - See The Fluor Corporation, Ltd.
Atwood, Calif. - Two (2) 250 h.p. Foster Marine Boilers

WEST COAST SANITARY MANUFACTURING CO.

2769 - Lining Ball Mill Furnace

2837 - Relining Ball Mill

2855 - Repairs to Enamel Smelter & Lining Ball Mill

2916 - Repair Enamel Smelter

WEST COAST SHIPBUILDING & DRYDOCK COMPANY

4445 - S. S. "Robinson Greer" - Repairs to Two (2) Blrs.

4642 - S. S. "Antelope Hills"
Repairs to Furnace Flcor of Port Boiler

4682 - S. S. "Mission Capistrano"
Repairs to Two (2) Water Tube Boilers

4752 - S. S. "Mission San Fernando"
Repairs to Two (2) Boilers

5216 - S. S. "Mission Dolcres" - Repairs to Two (2) Blrs.

NO. 801-11 R IP ... U.S.A.

WEST COAST SHIPPING

13432	"SS Sierra Madre" Berth 150- Wilmington CA Repair Screen Tubes of Port Boiler	4/84

WEST END CHEMICAL COMPANY

2029 - Westend - 72" x 54'-0" Rotary Furnaces

2306 - Westend - Vertical Lime Kiln

2437 - Repairs to Dutch Oven for Rotary Ash Furnace

2473 - Westend - One (1) 16'-9" Hearth Nichols Herreschoff Furnace

2474 - Westend - Ten (10) Burner Boxes for Herreschoff Furn

2543 - Westend - Lime Kiln Lining and Insulation

2595 - Westend - To Line Firebox for Dryer

2606 - Westend - Lime Kiln Repairs

2646 - Westend - Line Lime Kiln

2736 - Kiln Blocks - Material Sale

2745 - Line Cylindrical Firebox

2760 - Light Ash Revolving Furnaces

2775 - Herreschoff Furnace

2807 - One (1) Borax Melting Furnace

2897 - One (1) Dryer Firebox Lining

2930 - Borax Furnace Repairs

3000 - Boiler Brickwork Repairs

3041 - Soda Ash Furnace

3128 - Lime Kiln Lining 13'-0" dia.

3130 - Taper Kiln Blocks

3137 - New 13'-0" x 45'-0" Kiln

3209 - Westend - Insulating Two (2) Tanks

3217 - Repairs to Soda Ash Furnace #1

3411 - Westend - Repairs to Vertical Shaft Kiln

3599 - Westend - Repairs to Borax Melting Furnace

3659 - Westend - Insulation Repairs - Tanks #1 and #2

3665 - Westend - Borax Furnace

3695 - Westend - Repairs to Borax Melting Furnace

3753 - Westend - Repairs to Furnace #2

3760 - Westend - Repairs to Detrick Arch in Borax Melting Furnace

3773 - Westend - One (1) Soda Ash Furnace

(contd.)

WEST END CHEMICAL COMPANY (contd.)

3803 - Westend - Repairs to Tapered Lime Kiln

3814 - Westend - Cylindrical Firebox Lining

3908 - Westend - Repair Fireboxes of Herreschoff Furnace

4093 - Westend - Brickwork Repairs to Borax Furnace

4181 - Westend - Lime Kiln Lining Repairs

4607 - Westend - Borax Melting Furnace -Brickwork Repairs

4837 - Westend - Repairs to Pyroborate Furnace

5196 - Westend - Reline 5'-0" dia. x 15'-0" long Dryer Furnace

5348 - Westend - Brick Lining 13' dia. x 45' Lime Kiln #4

5349 - Westend - Brickwork - Light Ash Furnace and Bicarbonate Dryer Firebox

5350 - Westend - Dense Ash Calciner Firebox
(A) - Cement Wall Block
(B) - Repairs to Lime Kiln

5473 - Westend - Renew Brick Lining in Tapered Lime Kiln #1
(A) - Repair Calciner #1

5729 - Westend - Insulate Eight (8) Heat Exchangers and One (1) 7'-0" x 23'-8" Water Tank

5833 - Westend - Reline 20 ft. of Tapered Lime Kiln
(A) - Rebrick Bicarbonate Dryer

6058 - Westend - One (1) Borax Melting Furnace #3
(A) - John Dorward, Residence--To Build New Fireplace and Chimney

6190 - Westend - Repairs to Heine Kiln and Borax Glass Furnace

6496 - Westend - #2 Lime Kiln - To Reline Hot Zone, approx. 25 ft.

6499 - Westend - #2 Light Ash Furnace - Brickwork Rprs

6807 - Westend - Anhydrous Borax Furnace #1 - To Renew Detrick Arch and to Reline Front Wall

7085 - Westend - Anydrous Furnace #3 - To Reconstruct Flat Arch and Drop-Noses and to Repair around Burners and Flue Outlet

WEST END CHEMICAL COMPANY (contd.)

7164 - Westend - To Install Refractories for One (1) 58% Soda Unit #1 Furnace

7297 - Westend - Brickwork: Light Ash Furnace, Bicarbonate Dryer Firebox, Dense Ash Dryer Firebox

7400 - Westend - Peabody Burner Installation - Two (2) Wickes Boilers

7605 - Westend, Calif. - To Reline 13 ft. dia. Vertical Lime Kiln

7697 - Westend, Calif. - To Reline Lime Kiln

7743 - Westend, Calif. - To Repair #1 Anhydrous Furnace
(A) - To Repair #3 Anhydrous Furnace
(B) - To Repair #2 Anhydrous Furnace

~~7912 - Wilmington - S. S. "Hong Kong Transport" Notes, Repairs to Starboard Boiler~~

7913 - Westend - Reline #3 Lime Kiln

8042 - Westend, California
Experimental Sulphate Evaporator Refractory Lining
(A) - Material Only to Make Carload
(B) - Reline Lime Kiln
Extra - Additional Materials

8227 - Westend - Anhydrous Furnace #3 - Brickwork Rprs

8581 - Westend - Lining for One (1) 8x340 ft. Rotary Line Kiln
(A) - Firing Hood for above
(B) - Connecting chute - Kiln to Cooler

8607 - Westend - Lime Kiln Lining Repairs

8684 - Westend - Repair #1 Borax Melting Furnace

9169 - Westend - Rebuild 72" x 54'-0" Calcining Furnace No. 1

9492 - Westend - Install Eight (8) Burner Openings in Fire Wall of Light Ash Furnace

9626 - Westend - Brickwork Repairs to #1 Borax Anhydrous Furnace

WEST END CHEMICAL COMPANY (CONTD.)

9761 - Westend - Reline #3 Anhydrous Furnace

9803 - Westend - Labor and Material to Install One (1) 40' long Trefoil Preheater Sec. for 8' dia. Kiln (A)-Reline approx 40' long Section in Fire Zone x 8' Dia. x 340' Rotary Lime Kiln

9860 - Westend - Rebrick #2 Anhydrous Furnace

1626 - Westend - Repairs to #3 Anhydrous Furnace

WESTERN AIR CONDITIONING

8813	Carson Yard Install Castable Insulation in Panels for the USS Hollister.	5/75
9046	Carson Yard Line 4 Panels with Castable	11/75

WESTERN AIR & REFRIGERATOR CO - Palmdale

7863 - See C. C. Moore & Co

Lockheed Aircraft Corp

Two FF15 No. 36 Steel encased B&W Boilers

WESTERN AIRLINES, INC.

5634 - See Morse Boulger Destructor Co.
Los Angeles Airport - One (1) Model 2-R Destructor

WESTERN BRASS

7916	Los Angeles Ram an inductor	10/16
8463	Los Angeles Ram Inductor	9/74
10042	Los Angeles Repairs to an Induction Furnace	10/77
10918	Los Angeles - Reline Upper case of Induction Furnace	5/79
10929	Los Angeles - Line lower case of linemelt 60 induction furnace	5/79
12056	Reline line melt 300 KW furnace	3/81
12352	Los Angeles, CA Reline line melt 300 KW furnace	9/81
13297	Los Angeles, CA Reline Ajax Furnace	12/23
13481	Los Angeles Repair Ajax Furnace	5/84

WESTERN BORAX COMPANY

2361 - Cramer - Lime Kiln Furnace Repairs

2427 - Muroc, Calif. - Extension Furnace for Rotary Kiln

2450 - (Cancelled)- Muroc, Calif. -
B. & W. Boiler Brickwork

NO. 801-11 R ...P ... U.S.A.

WESTERN COOPERAGE COMPANY

. 235 - Two (2) Charring Pits and Boiler Insulation

285 - One (1) Charring Pit

291 - Repair Work - Two (2) Charring Pits

364 - Two (2) Keg Heaters

369 - Repairs to Arch of Charring Pit

2485 - Huntington Park - One (1) Keg Heater

2670 - Huntington Park - Setting for 70 h.p. HRT Boiler

WESTERN DIE CASTING CORP

11578	Emeryville Design and construct aluminum tilting furnace with recuperator	5/80 WRS

WESTERN DIVERSIFIED METALS

5870 Cucamonga 9/2

Labor and Material to Repair
Wire Burning Incinerator.

A Cucamonga
Install 2 Detrick 13½" curtain walls
in door openings 5' W x 1½" X1' High.

B Repair to Lower Portion of Stack Lining

WESTERN DROP FORGE COMPANY

373 - One (1) Aultman Taylor Boiler

NO. 801-11 R ... U.S.A.

WESTERN ELECTROCHEMICAL COMPANY

4884 - See Defense Plant Corporation
By: Bechtel-McCone Corporation
Henderson, Nevada - Refractory Lining for Drying Machine Combustion Chamber

5026 - See Bechtel-McCone (Incorporated)
Henderson, Nevada - Brickwork and Insulation - Lining for Three (3) Dryer Furnaces

7512 - See McNeil Construction Co. of Nevada
Henderson, Nevada - To Install Acid-Proof Lining in 29 Electrolytic Cells
(A) - To Install ~~Acid-Proof Lining~~ Rotary Kiln, Firebox, Feed Hood, Fire Hood, and Breeching
(B) - Lining for 4'-10" x 9'-0" J. D. Dryer
(EX)- To Repair #3 Cell

8383 - See C. C. Moore & Co. Engineers
Henderson, Nevada - Dismantle Old Burner Throats and Install New Burner Throats in Four FM-9 Boilers

8468 - Henderson, Nevada - Repair Four B. & W. Package Boilers
(A) - Supply Labor to Line One Pebble Mill

SEE AMERICAN POTASH & CHEMICAL CORPORATION (NEVADA) WHO BOUGHT THIS PLANT.

WESTERN FUEL OIL

9373	San Pedro - Nec Repairs to Fuel Oil Heater.	7/76
13645	San Pedro CA Repairs to Anderson Heater	10/84

WESTERN GALVANIZING COMPANY

3898 Los Angeles
Furnish and install acidbrick lining for pickling tank

8958 Santa Fe Springs-Fabricate & Install 8/75
Galvanizing Furnace
"A" Install New Refractory Pad Under the Kettle.
"B" Overtime Required to Speed up Schedule
"C" Damage Repairs

9617 Santa Fe Springs 1/77
Furnish Spare Parts

10995 Santa Fe Springs
Design and construct zinc galvanizing kettle 6/79

11293 Santa Fe Springs 12/79
Supply five plates for 25Ft kettle RBC

11614 Santa Fe Springs 6/80
Provide spare parts RBC

12063 Santa Fe Springs 3/81
Services on galvanizing furnace RBC

13470 Santa Fe Springs CA 5/84
New Control Motors
A- Supply and Install 4 BC Controllers

WESTERN GALVANIZING

13699	Santa Fe Springs Ca New Floor Plates	11-84
13847	Santa Fe Springs Galvanizing Kettle Installation	3-85

WESTERN GEAR WORKS

4286 - See General Electric Company
Lynwood - Brickwork Cylindrical Gas Carbonizing Furnace

11030 EGLOFF & GRAPER
South Gate - Nec repairs to jambs 7/79
of linberg furnace

NO. 801-11 R ...IP IN U.S.A.

WESTERN GULF OIL COMPANY

4081 - See R. G. Meyler
C. F. Braun & Co.
Kern County - Paloma Field - Boiler Plant
Two (2) Riley YKL-20 Boiler Settings

4134 - See C. F. Braun & Co.
Kern County - Paloma Field - Cycling Plant TK
Brickwork - Fired Heaters F1 and F2

6771 - See C. F. Braun & Co.
Kern County - Paloma Field
One (1) 3-Drum Riley YKL20 Boiler Setting--
Labor and Material
(A) - One (1) Fired Heater F60--Labor only
(B) - To Install Capping over Boiler Tubes on Riley
YKL-20 Boilers #1 and #2

7635 - Kern County, Calif. (Near Bakersfield)
Paloma Field
Brickwork Repairs to Fired Heaters
(A) - Brickwork Repairs to East Boiler

NO. 801-11 R ... U.S.A.

WESTERN HARDWOOD LUMBER COMPANY

232 - See Baker Iron Works
One (1) 66" x 18'-0" HRT Boiler

399 - Repairs to Furnace

NO. 801-11 R ... U.S.A.

WESTERN KNAPP ENGINEERING COMPANY

1495 - Kennecott Copper Corp - Hayden, Arizona

Labor only to install refractories in
Five (5) Calciners

(A) - Building

EXTRA - Furnish additional material to complete job

WESTERN LEAD PRODUCTS CO.

1160 Los Angeles - Labor and Material to Repair West End Wall of Lead Furnace

1167 City of Industry - Labor & Material to Construct Lead Reverb Afterburner & Seven Lead Kettles

1444 - City of Industry - Repair Door Jambs in Lead Furnace.

(A) - Gunite Repair of Door Jambs

1533 - City of Industry - Gunite Lining in Two (2) Spray Chambers

(A) - Line After Burner
(B) - Repair Furnace Breeching
(C) - Repair Lower Section of Afterburner

1580 - City of Industry - Repair Reverberatory Furnace

1630 - City of Industry - Repair Door Jambs on Lead Reverb Furnace

1664 - City of Industry - Repairs to Reverberatory Lead Furnace

(A) - Repair Lead Reverberatory Furnace Roof.
(B) - Repair Reverberatory Lead Furnace

2065 - City of Industry - Afterburner Flame Safety System.

WESTERN MALLEABLE CASTING COMPANY

2461 - Repairs to Furnace

NO. 801-11 R ... IP ... U.S.A.

WESTERN MILL AND LUMBER COMPANY

1417 - Vernon - Necessary repairs to Incinerator

1577 - Los Angeles - Renew Cone in Wood Burning Incinerator and repair Lower Side Wall

WESTERN METALS

11493	Calabasas	
	Design and construct two silver melting crucibles furnaces	4/80 WRS

WESTERN NUCLEAR

8785	Div of Associated Piping & Engr/ Powerine Oil Co - LA Install AA22 Lining in Reactor Riser Lining.	4/75

WESTERN OIL & REFINING COMPANY

201 - See Southwestern Engineering Company
Three (3) 150 h.p. Erie HRT Boilers

249 - See Southwestern Engineering Company
Wilmington - Four (4) Fire Stills

262 - See Southwestern Engineering Company
Service Station

263 - See Southwestern Engineering Company
Two (2) 264.3 Collins Water Tube Boilers

328 - See Southwestern Engineering Company
Flue Openings for Dampers

2072 - Delivery of Material

2129 - Wilmington - Repairs to #2 Boiler

2279 - Wilmington - To Build Experimental Stills

2334 - Repairs to #1 Firebox Crude Still

2423 - Wilmington - Repairs to Dutch Oven

2431 - Wilmington - #1 Dutch Oven

2453 - Jenkins Still #1 - Brickwork & Erection

2454 - Jenkins Still #6 - Bigelow Arch

2455 - Build Wall 15' x 32' x 13" behind Switch Board
Jenkins Still

/Still

2536 - Wilmington - Repairs to Dutch Oven in #2 Crude

2705 - Repairs to Pressure Still Stack and Building

NO. 801-11 R ...IP... U.S.A.

WESTERN PETRO-CHEM SERVICES, INC

7528 Mobil Oil Company 1/73
Torrance
Build Scaffold in Regenerator.

7851 U.S. Gypsum
Torrance
Labor only to line one after burner 9/73

8133 Shell Oil Co 3/74
Dominguez
Furnish labor and equipment to build scaffold at reactor Shell Oil catcracker shutdown

8578 Standard Oil - El Segundo 12/74
Repair dampers at Isomax plant

9079 HUNT WESSON FOODS-Fullerton 12/75
Nec Repairs to Reformer Furnace

9452 Torrance - MOBIL OIL CO 9/76
Install Deck & Scaffold in Cat Cracker Regenerator.
"A" Rental of Scaffold, Remove & Replace 4 openings on Regenerator Wall for Platform.

9590 KERR McGEE - Trona 12/76
Install Refractory in Two Ash Hoppers
"A" Apply Bitumastic Paint on Steel 4/77

11225 CHEVRON USA - El Segundo 10/79
Buld scaffold plant #7 heaters 72

WESTERN PETRO-CHEM SERVICE INC

12052	UNION OIL CO Santa Maria Install refractory linings in four kit heaters	3/81 RCN
A	Extra Labor and material	
B	Replace roof of vacuum heater	
12132	TEXACO INC/Wilmington Install insulating castables catalytic reformer untt #3	4/81
12161	Newhall Install refractory in heater	5/81
12349	GETTY OIL/Bakers Field/Mohawk Refinery Floor refractory installation heater 11-H-2	 RFB 9/81
12477	POWERINE OIL/FOSTER WHEELER Santa Fe Springs, CA New construction feformer furnace	12/81 RFB
A	Lost time caused by WPC	
B	Fill catalyst support cones	
C	Install studs in outlet manifold	
D	Repair access door & door jamb in de-nox section of reformer heater	
E	Repair reformer efficent cooler	
F	Extra work in effluent cooler	

WESTERN PETRO-CHEM SERVICE INC

12666 CHAMPLIN OIL 5/82

Wilmington, CA
Install insulation in burner boxes
and install burner tile

WESTERN PHOSPHATES CO., INC.

7811 - See Stauffer Chemical Co. of Utah
Garfield, Utah - Enclosure for One (1)
Steel-Encased CE-S Inc. Type 7.5 (VU-10)
16 B Boiler

WESTERN PIPE & STEEL COMPANY OF CALIF.

2417 - 72" x 56'-6" Dip Kettle

3093 - Flange Furnace Repairs

3776 - One (1) Plate Heating Furnace

3976 - Los Angeles - To Elevate Floor in Plate Heating Furnace

4439 -San Pedro - Brickwork in Fireboxes of F. W. Blrs. 11 Hulls - Nos. 105 to 115
(A1)- Repairs to Access Doors of Hull #105
(A2)- Brickwork Repairs to Starboard Boiler, Hull #105
(B) - Brickwork Repairs to Starboard Boiler, Hull #107

5136-A - (APD-8) U. S. S. "Waters" - Rebrick Galley Range

5163 - S. S. "Yokes" (APD-69)
Plastic Front in #2 Boiler

5287 - U. S. S. "Ruby" (DE-698) - Repair #1 & #2 Boilers
(A) - Rebrick Doors on Superheater

5510 - Hull #110 - Patch Floor of Starboard Boiler
(A) - Hull #114 - Repair Floor in Starbcard Boiler

5802 - Hull #209 - U. S. S. AG-88 -
Repairs to Two (2) Boilers

NO. 301-11 R ZIP U.S.A.

WESTERN PRECIPITATION CORPORATION

3812 - Carlsbad, New Mexico
Four (4) Spray Dryer Furnaces

4015 - Manganese Ore Company - Boulder City, Nevada
Insulating One (1) Multiclone, size 140-10

4354 - Incinerator Repairs - Los Angeles

6685 - Burbank - To Build 6,000,000 Btu Air Heater
Complete with Lining

1119 - Los Angeles - Cutting of Eleven (11) Tile to
16" Length

5353 Hayden, Arizona
Install acid brick in floor of lead lined tank.

NO. 301-11 R ... U.S.A.

WESTERN PROCESS EQUIPMENT COMPANY

5829 - Pacific Coast Borax Company - Boron
Install Acid-Proof Brick Lining in Two (2)
11'-8" x 10'-9" Reactor Tanks

6155 - Decca Records, Inc. - Hollywood
To Install Acid-Proof Brick Lining in One (1)
34 x 77 x 35" deep Chrome Tank

NO. 361-11 R ... U.S.A.

WEST-STATES

12973	Carson Yard Line vessel	3/83
A	Furnish tile and labor for calling.	

WESTERN STATES GASOLINE COMPANY

2565 - See C. C. Moore & Co. Engineers
Kettleman Hills - One (1) Class HIII #18 Stirling
Boiler

NO. 301-11 R ... U.S.A.

WESTERN STATES LACQUER CO.

5208 - Los Angeles - To Line Ball Mill 6'-8" dia. x 6'-0" long

NO. 801-11 R 2-4 IP 1 U.S.A.

WESTERN STOVE COMPANY, INC.

4169 - Culver City - To Dismantle Enameling Furnace
(A) - Culver City - Standard Enameling Company
To Rebuild Enameling Furnace

NO. 801-11 R 1 ... U.S.A.

WESTERN TALC COMPANY

2881 - Furnace Lining Repairs

3115 - Lining Heater

5561 - Los Angeles - Construction of One (1) 1,800,000 B.t.u. Air Heater

(A) - Insulation on 29" dia. Hot Air Duct on Air Heater

NO. 801-11 R [illegible] U.S.A.

WESTERN TUBE AND CONDUIT

5667	Vernon Repair zinc pot	4/69 JK
11448	Long Beach 16 pot galvanizing furnace	3/80

WESTERN WASHER COMPANY

3168 - To Rebuild Heat Treating Furnace

NO. 801-11 R ... U.S.A.

WESTERN WAXED PAPER COMPANY

6696 - See Leahy Manufacturing Company
Los Angeles - To Install Refractory Linings in
Two (2) Kewanee #587 Boilers

NO. 801-11 R [illegible] U.S.A.

WESTERN WHEELS (SALCO)

10008	Smith Chemical - Lynwood Install New Pilot System	9/27

WESTINGHOUSE ELECTRIC CORPORATION

9601 - Rohr Aircraft Co. - Arlington
Supply Labor Only to Erect One (1) Westinghouse Electric Car-Type Furnace
(A) - Labor to Repair 5 Piers on Furnace Car

9680 - Harvey Aluminum - Torrance
Install North American Series 59-6C Burners in Westinghouse Forge Preheating Furnace

WEST VACO CHEMICAL DIVISION, THE
FOOD MACHINERY CORPORATION

6803 - Chula Vista, Calif.
To Repair One (1) HRT Boiler

NO. 801-11 R ...IP ... U.S.A.

WEST-WINDS, INC.

7563	Port Hueneme USNS GENERAL ARNOLD Repair Port Boiler	2/73

WEYERHAEUSER STEAMSHIP COMPANY

8932 - Terminal Island, Berth 232-B - S. S. "C.R. Musser"
Tear Out and Renew Rear Wall and Plastic Burner Throats in Port Boiler

4345 Wilmington
"SS F E Weyerhaeuser"
Repair starboard boiler

4515 Todd Shipyards
"SS Horace Irvine"
San Pedro
Repair port and starboard blrs

6591 La Puente - Remove Old Stack and install New Stack

A- Repair Existing Incinerator

FOSTER WHEELER CORP

8494. United Fabricators, Santa Fe Springs 9/74
Stack Lining for Export to Taiwan

WHELAND FOUNDRY

6666 Chattanooga, Tennessee
Burner and Flame Safety for Cupola
Afterburner

4/71

WHISTON, H. L.

3158 - Palomar Refining Company
Bakersfield - Oil Still

NO. 801-11 R ... U.S.A.

WHITE HEAT TREATING COMPANY

4641 - See General Electric Company
Huntington Park - To Reline Heat Treating Furnace

4705 - Huntington Park - Repairs to #1 Lindberg Furnace

5013 - Huntington Park - Repairs to Electric Furnace
(A) - Repairs to Vestibule of Furnace

5220 - Huntington Park - Repairs to Lindberg Heat Treating Furnace #8

5389 - Huntington Park - Brickwork Repairs in Door of #1 Box Furnace
(A) - Brickwork Repairs on Cover of Cylindrical Furnace
(B) - To Line Door on Box Furnace #5

6082 - Huntington Park - Furnace Brickwork Repairs

6241 - Huntington Park - To Install Piers in Furnace to Support Hearth Plates

6319 - Huntington Park - To Reline Circular Door in Pit Furnace (A) Repair Heat Treating Furnace

6414 - Huntington Park - To Repair Furnace Arch 48" wide x 36" high

6458 - Huntington Park - To Repair Pot Furnace
(A) - Replace Brick in Furnace Door

6659 - Huntington Park - To Repair Pit Furnace

6818 - Huntington Park - To Repair Furnace #10
(A) - To Repair Draw Furnace
(B) - To Reline Cover for Pot Furnace

6948 - Huntington Park - To Rebrick 30" x 48" G. E. Vertical Pit Type Furnace

7251 - Huntington Park - To Repair Heat Treating Furnace

7330 - Huntington Park - Repair Heat Treating Furnace
(A) - To Repair Electric Pit Furnace

7666 - Huntington Park - To Repair Heat Treating Furnace

7729 - Hungtington Park - To Repair Electric Furnace Lining
(A) - To Repair Electric Furnace Lining

NO. 801-11 R ...IP... U.S.A.

WHITE HEAT TREATING COMPANY

7885 - Huntington Park - To Reline Door on #5 Electric Furnace

(A) - To Repair Top Cover on Westinghouse Furnace

8334 - Huntington Park-Repair Westinghouse Furnace

8417 - Huntington Park - Repair Heavy-Duty Electric Furnace

8517 - Huntington Park - Repair Box Furnace

(A) - Repair Door Jambs on above Box Furnace

8797 - Huntington Park - Renew Vestibule in Box-Type Furnace

8825 - Huntington Park - Install Refractory Lining in One (1) General Electric Vertical, Cylindrical Furnace - Recirculating Type

(A) - Repair Inner Insulating Fire Brick Door for Westinghouse Furnace

9098 - Huntington Park - Repair Electric Hardening Furnace, Heavy-duty Type 30-60

9301 - Huntington Park - Repair Heavy-duty Electric Furnace

9340 - Huntington Park - Repair Top Cover of Heavy Duty Pit type Furnace

9379 - Huntington Park - Repair Ajax Furnace Damaged in Shipment

(A) - Repair Electric Furnace

9548 - Huntington Park - Repair Heavy Duty Furnace

9630 - Huntington Park - Repair #1 Heavy Duty Electric Furnace

9946 - Los Angeles - Labor and Material to Reline Door of Westinghouse Electric Furnace

(A) - Line Door of Heavy Duty Box Furnace #1

WHITE HEAT TREATING COMPANY

1040 . Huntington Park - Fabricate 12 Washers of Olive Hill Stiff Mud Brick for Westinghouse Furnace

WHITE MEMORIAL HOSPITAL
COLLEGE OF MEDICAL EVANGELISTS

9151 - See C. C. Moore & Co. Engineers
Los Angeles - Erect Enclosure for One (1)
B&W FF16 No. 40 Steel-encased Boiler
(A) - Insulation of Flues and I.D. Fan

WHITE'S RESIDENCE, MR.
(P. A:, Shell Oil Co. Inc.)

221 - Brick Chimney

NO. 301-11 R — IP — U.S.A.

WHITING COMPANY

9210 - Henderson, Nevada - Install Linings in One (1) Oil and One (1) Gravel Heaters

WHITTAKER CONTROLS

11912	North Hollywood	12/80	
	Supply Namco combustion equipment for 5MM BTU/Hr air heater		RPA
A	Design and furnish flame supervision control panel for 5MM BTU/Hr air heater	12/80	
12975	No. Hollywood, CA	3/83	RPA
	Supply gas burner system & flame supervision temperature control panel for 355,000 BTU/Hr test air heater		
14677	No. Hollywood	4/87	
	Furnish combustion system 3MM Btu/Hr		

WHITTIER, M. H., COMPANY, LTD.

3693 - To Rebuild Retort

3775 - Paraline Oil Refinery
To Repair Furnace Retort

6214 - Los Angeles - Brickwork Repairs to One (1) HRT Boiler

NO. 801-11 R IP U.S.A.

WICKES BOILER COMPANY, THE,
DIVISION OF THE WICKES CORPORATION

5862 - Ford Motor Company - Los Angeles
Brickwork and Insulation Enclosure for Two (2)
500 h.p. Wickes Type "B" Boilers

NO. 301-11 R 4-IP-47 U.S.A.

WILKINSON COMPANY

2583 - Santa Monica
Construct Electric Muffle-type
Heat Treating Furnace

WILLARDSON, E.

3565 - Mead Johnson & Co.
Two (2) Economic Boilers

NO. 801-11 R ... U.S.A.

C. K. WILLIAMS & COMPANY

2884 - Division, Chas. Pfizer & Co. Inc.
Lucerne Valley
Install lining in Dorr-Oliver
Fluosolid Kiln

(A) - Extra Work

WILLIAMS WELDING COMPANY

4532 Wilmington
Supply and install brickwork in portable furnace

WILMAC CONSTRUCTORS

7239 · Long Beach
Kaiser Gypsum
Long Beach
Furnish and Install Refractories in
Gypsum Kettles and Hot Pits 6/72

WILMINGTON BOAT WORKS, INC.

7516 - Yacht Berth 193, Wilmington - AMS - 37
U. S. S. "Swan" - Renew Plastic & Millboard
in #1 Boiler

8495 - Wilmington - S. S. "Yellow Fin"
Repairs to Boiler Brickwork

9472 - Wilmington - U.S.C.G. "Minnetonka"
Renew Brickwork Complete in #1 and #2 Boilers

WILMINGTON GASOLINE COMPANY

4841 - See The Fluor Corporation, Ltd.
Terminal Island, Wilmington - Brick Setting for
One (1) 72" x 18'-0" HRT Boiler

NO. 801-11 R 2 PRINTED U.S.A.

WILMINGTON IRON WORKS

13774	"SS President Madison" Pier 126 San Pedro Ca Repair Boiler	12-84
14052	SS Anabell Likes Birth 26 Long Beach Repair boiler burner cone	8-85

WILMINGTON TRANSPORTATION COMPANY

3308 - S. S. "Avalon"
Brickwork - Four (4) Marine Boiler Furnaces

3497 - S. S. "Cabrillo"
Repairs to Two (2) B. & W. Marine Boilers

5555 - Wilmington - Berth #184 - S. S. "Catalina"
Repairs to Four (4) B. & W. Boilers
(A) - Metal Repairs and Painting

NO. 801-11 R [illegible] U.S.A.

WILMINGTON WELDING & BOILER WORKS

4216 - Repairs to Firebox of One (1) Donkey Boiler

4235 - Wilmington - To Rebrick Donkey Boiler

4298 - Repairs to One (1) Donkey Boiler

4302 - Brickwork Repairs to Donkey Boiler

4806 - Repairs to Boiler Firebox on Dock at Berth #198

4814 - S. S. AK-226 - Repairs to Two (2) Boilers

4872 - S. S. APA-81 - Repairs to Boilers
(A) - S. S. APA-82 - Repairs

4930 - S. S. "Corinth" - Repairs to Two (2) Boilers

4936 - S. S. AK-178 - Boiler Repair

4953 - APA-123 - Repairs to One (1) Boiler

4956 - AP-120 - Repairs to Two (2) Boilers

4980 - APA-58 - Repairs to Two (2) Boilers
(A) - Repairs to Oven Fireboxes

4998 - Repair Stationary Boiler on Dock

5015 - S. S. AP-143 - Repairs to Galley Stove

5024 - S. S. AO-54 - Repairs to Bake Oven and Range
(A) - Repairs to Four (4) Boilers

5039 - LST-731 - To Rebrick Bake Oven and Galley Range

5086 - LST-222 - To Renew Boiler Brickwork

5125 - U. S. S. "Hamilton" - Repairs to Aft Boiler #4'

5132 - LSM-405 - Repairs to Boiler #4

5146 - S. S. "Cape Constance" - Repairs to Two (2) Boilers

5149 - S. S. APD-78 - Repairs to #1 and #2 Boilers

5175 - LST-122 - Repairs to Boiler
(A) - Galley Range and Oven Repair

5176 - AP-171 - Two (2) Galley Ranges
(A) - Port and Starboard Boiler Repairs

5202 - Hull #LCI-1015 - Repairs to Galley Range

5203 - Hull #LCI-1018 - Repairs to Galley Range

5225 - Hull #ATR-66 - Repairs to #1 and #2 Boilers

5226 - Hull #AP-67 - Repairs to Boilers #1 and #2
(A) - Galley Range Repairs

(contd.)

WILMINGTON WELDING & BOILER WORKS (contd.)

5241 - Hull #AVP-48 - Boiler Repairs

5279 - Hull #AM-57 - Repairs to Boiler Insulation around Coils

5297 - Hull #AP-47 - Repairs to Boiler

5304 - "Woodworth" (DD-460) - Repairs to Four (4) Boilers
Boiler #1 - Renew Plastic Front and Patch Deck
Boiler #2 - Patch Plastic Front and Patch Deck
Boiler #3 - Renew Plastic Front and Patch Deck
Boiler #4 - Patch or Renew Front and Furn. Deck

5312 - APA-96 - Repairs to Boilers
(A) - Repairs to Firebox and Oven
(B) - Repairs to Seven (7) Galley Ranges

5326 - U. S. S. "Chickadee" - Repairs to Plastic on Blr.

5336 - APA-112 - To Rebrick Two (2) Bake Ovens
(A) - APA-20 - To Rebrick Air Casing Doors

5351 - APA-214 - Boiler Repairs
(A) - To Reline Fireboxes in Five (5) Galley Ranges

5352 - APD-55 - To Rebrick Boiler

5353 - APD-130 - To Rebrick Two (2) Boilers

5391 - APA-68 - Repairs to Two (2) Boilers

5396 - APA-546 - #1 Boiler Repairs
(A) - #2 Boiler Repairs
(B) - #3 Boiler Repairs
(C) - #4 Boiler Repairs

5443 - DD-513 - Repairs to Four (4) Boilers

5449 - DD-547 - Renew Plastic Fronts on Nos. 1, 2, 3 and 4 Boilers
(A) - Renew Chrome

5482 - LST-901 - To Rebrick Firebox in Galley Range
(A) - Repair Fire Brick in Boilers

5497 - Hull #DE-420 - Rebrick #2 Boiler
(A) - Rebrick #1 Boiler

5508 - Hull #DE-345 - Repairs to Two (2) Boilers

5554 - Hull #LCI-969 - To Rebrick Firebox in Galley Range

5614 - S. S. "Oregon Coast" - Repairs to Two (2) B. & W. Boilers

(contd.)

WILMINGTON WELDING & BOILER WORKS (contd.)

5666 - Hull #APD-101 - To Remove and Repair Brickwork in Two (2) Boilers

5710 - Hull #APD-91 - Repairs to Two (2) Boilers

5991 - Repairs to Stationary Boiler

6162 - Standard Oil Company of Calif. - San Pedro
Repairs to Stationary Boiler on Loading Dock

6170 - San Pedro Dry Kiln Co. - San Pedro
Boiler Repairs

6174 - J. H. Baxter&Company - Long Beach
Boiler Repairs

6678 - J. H. Baxter & Company. - Long Beach
To Repair Brickwork in Boiler
(A) - Repair Brickwork in Boiler

6999 - **Wilmington - Repairs to Boiler on Los Angeles Harbor Dept. Barge**

7080 - Wilmington - To Renew Front Wall, Floor and Top of Back Wall in Forward Boiler

7972 - Wilmington - U. S. S. "Hooper Island" -
To Renew Floor and Burner Openings in Port and Starboard Boilers

9234 - Wilmington - " Alabama Barge"
Repairs to Two (2) Locomotive Type Boilers

9836 - Wilmington - U.S.S. "DeKalb County" LST 715
Furnish Labor & Material to Make Necessary Repairs

4374 Terminal Island
"Alabama Barge"
Repair tube return boiler

6087 "DREDGE ALABAMA" - Term.Island 1/70
Repair Boiler

WILSEY, BENNETT COMPANY

2179 - Los Angeles
Labor & material to repair & construct
Incinerator Side Walls

WILSHIRE OIL COMPANY OF CALIFORNIA

SEE GULF OIL

WILSON, A. K., LUMBER COMPANY

6434 - Compton - To Repair Eight (8) Air Vents and One (1) Door with Castable Refractories; Renew Top Three (3) Courses of Brick and Give all Brickwork One (1) Coat of "Tenax" in Incinerator

(A) - To Build Incinerator Air Vents

6738 - Compton - Labor to Repair Incinerator

7719 - Wilmington - Incinerator Brickwork Repairs

NO. 801-11 R ...P... U.S.A.

WILSON & CO., INC.

2741 - Detrick Arch in #3 Boiler

2813 - Detrick Arch Installation in #1 and #2 Boilers

4008 - Repairs to Detrick Burner Arches in #3 Boiler

4917 - Los Angeles - Retile Burner Arch - Connelly Boiler #2
(A) - Boiler #1 Repairs

6163 - Los Angeles - Repairs to #3 Boiler

6399 - Los Angeles - Repairs to #2 Collins Boiler

7026 - Los Angeles - Alterations to Collins Blrs. #1, #2
(A) - Temporary Patch in Left-Hand Wall of Boiler #2
(B) - To Remove and Replace Upper Right-Hand Wall, Blr.#2
(C) - To Haul Debris Removed by Wilson for Foundation Excavation - Boiler #1
(D) - To Haul Material for Contract Portion of Work on Boilers #1 ~~and #2~~
(E) - To Tear Out and Replace Upper Left-Hand Side Wall of Boiler #2
(F) - Boiler #2--To Tear Out and Replace Upper Right-Hand Wall above Drum Support Girder
(G) - To Haul Debris Removed by Wilson for Foundation Excavation - Boiler #2

7253 - Los Angeles - To Rebrick Boiler #3
(A) - Additional Work not included in Contract

7493 - Los Angeles - Brickwork Alterations to Install New Leintz Burners in Boilers #1 and #2

NO. 801-11 R ... U.S.A.

WINNING & PEPELOW

2125 - See W. O. Wylie Sheet Metal & Heating Co.
Los Angeles - Repair Calcining Furnace

WITCO CHEMICAL CO. INC.

(GOLDEN BEAR OIL COMPANY)

6078 - Oildale - One (1) Southwestern Fired Heater Enclosure

1085 - Oildale - Line Fired Oil Heater

1641 - Oildale - Raffinate Heater

2284 - Oildale - Refractory Lining Crude Flash Heater

2425 - Oildale - Install lining in One (1) Fired Heater

2660 - Oildale - Lining for Oil Heaters ~~Hp~~ H-11, H-21 and H-31.

2867 - Bakersfield - Refractory Lining for One (1) Fired Heater H-51

2946 - Bakersfield (Oildale) Install Lining in "D" Heater

3521 Oildale Refractory lining in one David G. Reynolds Fired Heater

8050 Oildale 1/74
Hot oil heater

10134 Omni Service - Carson 12/77
Install Refractory for Radiant Section Transition Section & Convection Section in a Born Heater

NO. 801-11R IP U.S.A.

WHITTEMAN STEEL MILLS

11255	Fontana	11/79
	Install pilots on six flat flame burners	

WISMER AND BECKER

13592 Daggett CA 8/84
Refractory Installation Gas Fired Heater

WONDERLY CONSTRUCTION COMPANY

1464 - Shell Chemical Company - Dominguez
Acid Brick Paving

2969 - Texaco Inc. - Wilmington
Fireproofing Columns and Beams

5457 Stepan Chemical
Anaheim
Acid brick paving.

WOOD, E. K., LUMBER COMPANY

108 - Repairs to Boiler

111 - Repairs to Furnace

116 - Repairs to Boiler #2

158 - Boiler Brickwork Repairs

189 - Repairs to #1 and #2 Furnace

2043 - San Pedro - One (1) Class "S" No. 25 Stirling Blr.

2044 - San Pedro - Bigelow Arch for Stirling Boiler

2055 - Repair Walls of Boiler Room

2480 - San Pedro - One (1) Type "S" #25 Stirling Boiler Repairs

5793 - Los Angeles - Repairs to #2 (West) Incinerator Arches

5985 - Los Angeles - Repairs to #2 Burner Combustion Chamber

NO. 801-11 R ... U.S.A.

NO. 801-11 R ... Printed U.S.A.

WULFF PROCESS COMPANY

7022 - Maywood - To Install Refractories and Insulation in One (1) A-126 Acetylene Furnace

NO. 901-11 R ... PRINTED U.S.A.

WYLE LABORATORIES

12222	NORCO/Ca Install refractory lining in containment pit	6/81 RCN

W. O. WYLIE SHEET METAL & HEATING COMPANY

2125 - Winning & Pepelow - Los Angeles
Repair Calcining Furnace

YEAGER LEAD CO

4129	**Shell Chemical Co**
	Dominguez
	Remove and replace carbon brick in one stripper bottom
A)	Rebrick 2 new stripper bottoms

Y. M. C. A.

1324 - Wilmington - Bar-B-Q and Concrete Wall

YOUNGS MARKET

256 - Repair Work

261 - San Joaquin Furnace
& (A)

268 - Los Angeles, 7th & Union -
To Insulate Bake Oven Floor

NO. 801-11 R ... IP ... U.S.A.

YOUTH TRAINING SCHOOL

4238 Chino
Remove and replace Coen burner tile and brickwork around boiler

ZARUBICA COMPANY

3630 - INTERPACE
San Bernardino
Install bulkheads in sewerline.

ZEPHYR

10696	Inglewood - Repair Annealing Unit	12/78

F. T. ZIEBARTH CO.

6982 Carson 12/71
Orange County Sanitation District
Repairs to Incinerator

ZINK, JOHN, COMPANY

8658 - Union Oil Company of California - Wilmington
Supply Materials only for Air Heater Lining

ZURN INC Energy Divn

6194 La Jolla, Cal. 4/70
M C Patten Co
Erie City iron Works
Univ of Calif.
Repair front wall boiler

9471 Bakersfield
LION OIL CO 10/76
Install Refractory Lining in Vortex
Burner on 200,000 TPA Boiler
"A" Supply Materials Only. 3/77

ZURN INDUSTRIES

11583 · Wilmington 5/80
UNION OIL – Repairs to #8 boiler

11725 CHAMPLIN OIL
Repairs to boiler 8/80

12021 UNION OIL 2/81
Wilmington, CA
CO Boiler renew burner throat
ands partition wall

12029 SHELL OIL CO/BULLMAN KELLOGG
Carson 2/81
Install refractory lining in two CO
boilers RCN

13001 HALLANGER ENGINEERS/
UNION CHEMICALS RCN
Carson Yard/Rodeo, CA 3/83
Furnish square edge tile for
new waste heat boilers

15024 Rolling Hills, CA 3-15-88
Repairs to burner

15069 Rolling Hills, CA 5-12-88
Rolling Hills Power Plant
Repairs to Zink Burners in Units 1 & 2

JOBS ARE LISTED THROUGH

~~5961~~ 6355 ~~1969~~ 1970 - Out of State and Foreign

L O S A N G E L E S O F F I C E

JOBS LISTED ACCORDING TO

STATES IN U. S. A.
(except California)

U. S. A. POSSESSIONS AND

FOREIGN COUNTRIES

SEE HOUSTON OFFICE JOB BOOK

FOR OTHER JOBS IN -

ARKANSAS

LOUISIANA

MISSISSIPPI

OKLAHOMA

TEXAS

—

ALABAMA

8832	Hunter Engineering Reynolds Metals Listerville, Alabama Furnish 4 burner systems	5/75
9033	Stauffer Chemical - Cold Creek Install Acid Brick Lining in Vessels	11/75

A L A S K A

1940

3560 - Robert L. Johnson Company
Anchorage, Alaska - Detrick Order
(No contract--commission only)

3561 - Robert L. Johnson Company
Anchorage, Alaska - Prat-Daniel Order
(No contract--commission only)

1941

3655 - Bechtel-McCone-Parsons Corp.
Almendorf Field - Anchorage, Alaska
Brickwork Labor for Three (3) 1976 h.p. Combustion Boilers

3667 - Bechtel-McCone-Parsons Corp.
Almendorf Field - Anchorage, Alaska
Insulation for Three (3) Combustion Engrg. Boilers

1975 8780 C F Braun/Collier Carbon & Chemical
Kenai-Alaska
Furnish & Install Refractory Linings in
Secondary Reformer and Waste Heat Boiler.
"A" Furnish and Install Refractory Lining in
× Transfer Line at Anacortes, Wash.
"B" Repair End of Hydrogen Transfer Line 3/77

1979

11045 UNION CHEMICALS DIVISION
Kenai Alaska - Remove and replace
approximately 10Ft of lower sidewall
in south cell of reformer B-101 7/79

NO. 801-11 R IP U.S.A.

A R I Z O N A

155 - C. C. Moore & Co. Engineers
Pacific Fruit Express - Tucson, Arizona
Two (2) Class XI #20 Stirling Boilers
(A) - Insulation of Two (2) Stirling Boilers

345 - Phelps-Dodge Corporation - Queen Branch
Douglas, Arizona - Bigelow Arch Material for
Six (6) Boilers

1926

438 - Phelps-Dodge Corporation - Copper Queen Branch -
Douglas, Arizona
Material for Four (4) Bigelow Arches

446 - Phelps-Dodge Corporation - Copper Queen Branch
Douglas, Arizona
Material for Four (4) Bigelow Arches

1927

2011 - Phelps-Dodge Corporation - Douglas, Arizona
Delivery of Bigelow Materials

2058 - Phelps-Dodge Corporation - Douglas, Arizona
Bigelow Arch Material

1928

2152 - T. E. Thomas Plumbing and Heating Co.
U. S. Veterans Hospital - Tucson, Arizona
Four (4) 72" x 18'-0" HRT Boilers

2199 - Phelps-Dodge Corporation - Douglas, Arizona
Bigelow Arch Material

2220 - Combustion Engineering Corp.
Miami Copper Company - Miami, Arizona
Four (4) 620 h.p. "VX" Heine Type Bent Tube Blrs.

2221 - Mercury Mines of America - Globe, Arizona
Ore Roasting Furnace

1929

2271 - Phelps-Dodge Corporation - Douglas, Arizona
Delivery of Bigelow Arch Material

2280 - Magma Copper Company - Superior, Arizona
XXII #25 Stirling Boiler

2281 - Magma Copper Company - Superior, Arizona
Brickwork on Flue

A R I Z O N A
(contd.)

2628 - F. B. Jones
U. S. Inspection Station - Douglas, Arizona
Insulation
(Transferred to Marine Engineering & Supply Co.)

1936

2968 - F. S. Renauld
Thompson Plumbing & Heating Company
Arizona State Teachers College - Flagstaff, Ariz.
One (1) Erie City Boiler

2977 - C. C. Moore & Co. Engineers
Arizona State Teachers College - Tempe, Ariz.
Two (2) Class HIII #10 Boilers

1938

3192 - C. C. Moore & Co. Engineers
Central Arizona Light & Power Co. - Phoenix, Ariz.
One (1) B. & W. Integral Boiler

1940

3539 - C. C. Moore & Co. Engineers
Salt River Valley Water Users' Assn. - Tempe, Ariz.
Three (3) FXXII Spl. AE11 Integral Furnace Boilers

1941

3670 - C. C. Moore & Co. Engineers
Phelps-Dodge Corporation - Douglas, Arizona
Insulation for Two (2) Waste Heat Boilers

3675 - Arizona State Teachers College - Tempe, Arizona
Repairs to Class HIII #10 Boiler

3683 - W. A. Bechtel Company
Phelps-Dodge Corporation - Morenci, Arizona
Four (4) Waste Heat Boilers and
Two (2) Direct Fired Boilers

3716 - W. A. Bechtel Company
Phelps-Dodge Corporation - Morenci, Arizona
One (1) Foster-Wheeler Superheater

1942

3797 - Tucson Metal & Manufacturing Co., Inc.
Tucson, Arizona
Two (2) Steel Melting Furnaces

3983 - W. A. Bechtel Company
Defense Plant Corporation - Plancor #434
Phelps-Dodge Corporation - Morenci, Arizona
Four (4) Waste Heat Boilers, One (1) Direct Fired Boiler, and One (1) Superheater

A R I Z O N A
(contd.)

1944

4207 - National Mining & Milling Co.
near Sunflower, Arizona
Three (3) Double Retort Mercury Smelting Furnaces
and to Reline Rotary Kiln

4526 - C. C. Moore & Co. Engineers
Goodyear Aircraft Corp. - Litchfield Park, Ariz.
One (1) B. & W. Single Class FF15 #24 Boiler

1945

4808 - Salt River Valley Water Users' Association -
Tempe, Arizona
Repairs to Class "F", B. & W. Boiler Setting

5192 - C. C. Moore & Co. Engineers
Ganado Mission - Ganado, Arizona
Brick Setting for One (1) FF-15-20 B&W Boiler

5269 - C. C. Moore & Co. Engineers
Salt River Valley Water Users' Association -
Tempe, Arizona
Brickwork Repairs to Class "F", B. & W. Boilers

1946

5678 - C. C. Moore & Co. Engineers
Cudahy Packing Company (formerly Tovrea Packing Co).
Phoenix, Arizona - Brickwork and Insulation -
One (1) FF15 No. 24 Boiler

1947

5917 - Phelps-Dodge Corporation - Morenci, Arizona
Installation of Lining in One (1) "Unox"
Rotary Lime Kiln

5922 - C. C. Moore & Co. Engineers
Central Arizona Light & Power Co. - Phoenix, Ariz.
Enclosure for One (1) B. & W. Two-Drum Boiler

5964 - C. C. Moore & Co. Engineers
Salt River Valley Water Users' Association -
Tempe, Arizona - Brickwork and Insulation for
Three (3) AP-3 Victory Ship Boilers

6020 - Salt River Valley Water Users' Association -
Tempe, Arizona - Renew Front wall in B. & W.
Boiler in U. S. Navy Mobile Unit

6110 - C. C. Moore & Co. Engineers
Arizona State Hospital - Phoenix, Arizona
Brick Setting for One (1) Class FF12 #20 Boiler

1947 (Contd)

6178 - C. C. Moore & Co. Engineers
Southwest Lumber Mills, Inc. - McNary, Ariz.
To Brick One (1) Class XII No. 38 Boiler
(A) - Brickwork Repairs to Boilers
(B) - Material Only
(C) - Material Only

1948

6313 - Foley Brothers, Inc.
Phelps-Dodge Corporation - Ajo, Arizona
New Cornelia Plant
To Construct Enclosures for Two (2) C-E, type "VU" Boilers
(A) - To Apply External Insulation on C-E Boilers
(B) - Brickwork, 2nd unit. (C) Insul. Work, 2nd unit.

6345 - C. C. Moore & Co. Engineers
(PT) Prem. Time (A) Covering of Outstanding Legs, also Weatherproofing the Externally Applied Insulation
Tucson Gas, Electric Light & Power Co.
Tucson, Arizona - Brick and Insulation Setting for One (1) B. & W. Class H-26 21'-0" x 16'-0" wide Gas and Oil Fired Integral Furnace Boiler

6451 - C. C. Moore & Co. Engineers
Tucson Gas, Electric Light & Power Co.
Tucson, Arizona
To Install Refractory & Insulation for One (1) FH-26 #21 Gas & Oil Fired Integral Furnace Boiler

6459 - Combustion Engineering Company, Inc.
Central Arizona Light & Power Company
Phoenix, Arizona
Enclosure for One (1) C-E "VE" Type Boiler

1949

6605 - Foley Brothers, Inc.
Phelps Dodge Corporation - Ajo, Arizona
Brickwork Repairs to Boiler #1, Damaged by Gas Explosion

6611 - Arizona Portland Cement Company - Rillito, Arizona
To Install Brickwork and Detrick Suspended Arch for Fuller Cooler
(A) - Lining for Kiln Firing Hood

6650 - Calmo Engineering Company
Arizona Portland Cement Company
Rillito, Pima County, Arizona
To Install Refractory Lining in One (1) Kiln End Housing

1949 (contd)

6762 - Combustion Engineering-Superheater, Inc.
Central Arizona Light & Power Co.
Phoenix, Arizona
Setting for One (1) C-E Boiler Unit

6784 - Combustion Engineering-Superheater, Inc.
Phelps-Dodge Corporation
Ajo, Arizona
Settings for Two (2) C-E Waste Heat Boilers

NO. 801-11R U.S.A.

1950

6828 - C. C. Moore & Co. Engineers
Arizona State College - Tempe, Arizona
Setting for One (1) B&W FF12 No. 12 Boiler

6937 - Greenwood Memorial Park - Phoenix, Arizona
To Construct One (1) Double-Chamber Moore
Crematory Retort

1951

7076 - Arizona Portland Cement Co. - Rillito, Arizona
#2 Firing Hood
(A) - #2 Fuller Cooler

7097 - Arizona Portland Cement Co. - Rillito, Arizona
No. 2 Kiln - Kiln End Housing

7111 - C. C. Moore & Co. Engineers
University of Arizona - Tucson, Arizona
Central Heating & Refrigerating Plant -
Enclosure for Furnace and Boiler Walls of
One (1) B&W FF15 No. 32 Integral Furnace Boiler

7177 - C. C. Moore & Co. Engineers
Ar izona Brewing Company - Phoenix, Arizona
To Construct Enclosure for Two (2) B&W Type
FF-13 No. 24 Integral Furnace Boilers

Cancelled
12/5/51

7292 - C. C. Moore & Co. Engineers
Tucson Gas, Electric Light & Power Co.
Tucson, Arizona
One (1) FG26-34'-6" B & W Boiler

7312 - C. C. Moore & Co. Engineers
St. Joseph's Hospital - Phoenix, Arizona
Brick Setting & Drum Head Insulation for
Three (3) B & W, set singly, Class H-2
No. 14 Boilers

ARIZONA
(Contd.)

1951 (Contd)

7326 - Calmo Engineering Company
Arizona Portland Cement Company
Rillito, Arizona
To Repair #1 Kiln End Housing

7327 - Arizona Portland Cement Company
Rillito, Arizona
To Repair #1 Kiln Hood
(A) - To Repair #1 Fuller Cooler
(B) - To Install Castable Refractory in Taper #2 Kiln

7387 - Combustion Engineering-Superheater, Inc.
Salt River Power District
Phoenix, Arizona
Refractory & Insulation for One (1) New CE Boiler

1952

7513 - C. C. Moore & Co. Engineers
University of Arizona - Tucson, Arizona
Central Heating and Refrigerating Plant - Enclosure for Second B. & W. FF-15 No. 32 Boiler

7656 - Combustion Engineering - Superheater, Inc.
Salt River Power District
Tempe, Arizona
To Change Boiler Baffles

1953

7722 - C. C. Moore & Co. Engineers
Tucson Gas, Electric Light & Power - Tucson, Arizona
Material only for FH 26'-6" x 31'-6" Boiler; including Flue, Air Heater, and Duct Insulation

7727 - The Tucson Gas, Electric Light & Power Co.
Tucson, Arizona - Station No. 3, Unit No. 3 -
Labor to Install Enclosure for One (1) Steel-encased B&W FH 26'-6" x 31'-6" Boiler

7915 - C. C. Moore & Co. Engineers
Salt River Power District - Tempe, Arizona -
Kyrene Steam Station - Brickwork and Insulation on One (1) B&W Radiant Boiler
(X) - Insulate Soot-Blower Piping
(Y) - Brkwrk & Insul Rprs to Blr Due to Furnace Explosion

8024 - Combustion Engineering, Inc. (Z) Rpr RB Blr
Arizona Public Service Co. - Red Rock, Arizona
Saguaro Steam Generating Station
Setting for One (1) C.E. Boiler
(A) Extra Work: Monolithic Lining on Pantograph Baffle Plates in Economizer Section

ARIZONA
(contd.)

1954

8066 - Combustion Engineering, Inc.

8066 -
(A) - Make Baffle Arrangement Changes on C-E Boiler
Arizona Public-(B) - Rpr Brkwrk on #1 Blr. Damaged by Minor Explosion
Service Co.Direct
Extra - Labor Escalation

Labor only - Brickwork Repairs to:
Boiler #1 - B&W Stirling Class F #30
~~Boiler #2 - B&W Class A #18~~
~~Boiler #3 - B&W Class A #22~~ Deleted

8264 - Arizona Portland Cement Company - Rillito, Arizona - #3 Kiln - Refractory & Insulation Enclosures for:
-1 - One Firing Hood
-2 - One #733 Fuller Clinker Cooler
-3 - One Kiln End Housing
(A) - Thermocouple Sleeves

1955

8443 - C. C. Moore & Co. Engineers
San Manuel Copper Corporation - San Manuel, Arizona
Labor only to Install Refractories & Insulation for One (1) Separately Fired Air Heater
(A) - To Unload Brick

8445 - C. C. Moore & Co. Engineers
San Manuel Copper Corporation-San Manuel, Arizona
Labor only to Install Refractories & Insulation in Two (2) B. & W. Waste Heat Boilers

8472 - Utah Construction Company
Stearns-Roger Manufacturing Co
San Manuel Copper Corporation-San Manuel, Arizona
Install Insulation on Balloon Flue
(B) - Fireproof Underside of Smelter Floor Area and Holding Furnace Area; Insulate Slag and Matte Track Roofs
(A) - Install Insulation on Sulphur Tank Tops

8609 - Salt River Project, Agricultural Improvement and Power District - Tempe, Arizona
Kyrene Steam Plant - Repair Boiler No. 1

ARIZONA
(Contd.)

1956

8734 - Arizona Portland Cement Co.
Rillito, Arizona
Rebrick Kiln Hood #2

8907 - Industrial Engineers, Inc.
Air Research Corporation - Phoenix, Arizona
Repair Top Tube Support on Two (2) Fired
Air Heaters

9034 - Hughes Aircraft Company - Tucson, Arizona
Repair Heat Treat Furnace

1957 9103 - C. C. Moore & Co. Engineers
Tucson Gas & Electric Co. - Tucson, Arizona
Repair B&W Boiler Damaged by Explosion

9196 - Utah Construction Company
Southwestern Agrochemical Company - Chandler, Arizona
Install Brickwork in Sulfuric Acid Plant

9319 - C. C. Moore & Co. Engineers
Arizona State College - Tempe, Arizona
Refractory and Insulation Setting for B&W
FF12 No. 20 Boiler

9321 - Apache Powder Company - Benson, Arizona
Refractory and Insulation Lining in One (1)
Girdler Hydrocarbon Reformer

9321-Ex.-Premium for Bond.

1958 9838 - Arizona Portland Cement Company
Rillito, Arizona - Rebuild Firing Hood #1 Kiln

1959 9935 - Combustion Engineering Inc.
Kennecott Copper Corporation - Hayden, Arizona
Labor and Material to Repair Settings on Two (2)
Waste Heat Boilers

9941 - Fisher Contracting Co. - Phoenix
Phoenix Cement Company, Division of American Cement
Corporation - Clarkdale, Arizona
Labor Only to Install Lining in Two (2)
Cement Kilns

(A) - Labor and Arch Materials to Install Linings in
Two (2) Fuller Coolers

A R I Z O N A
(contd.)

1005 **Fisher Contracting Co.**
Phoenix Cement Co. - Div. of American Cement
Clarkdale, Arizona - Tear Out 19" of Throat & 4½" of Taper Section of #1 Kiln Feed End

1118 **Aluminum Processors Inc. - Phoenix, Arizona**
Re-build Dross Furnace

1185 **National Malleable & Steel Castings Co.**
Capitol Foundry Division - Tempe, Arizona
Supply Labor to Install Roof in Heat Treat Furnace
(A) - Repairs to Furnace #6
(B) - Repair Front Arch Boiler #4
(c) - Repair Front Arch Boiler #3/

1960

1467 - Aluminum Processors, Inc - Phoenix, Arizona
Repair Dross Furnace Well Wall
(A) - Repairs to Furnace

1495 - See Western Knapp Engr Co
Kennecott Copper Corp - Hayden, Arizona
Labor only to install refractories in Five (5) Calciners
(A) - Building
EXTRA - Furnish additional material to complete job.

1961

1604 - American Smelting & Refining Co - Hayden, Arizona
Labor & Metal parts to Install Detrick Copper Reverberatory Uptake Furnace

1668 - See C. C. Moore & Co. Engrs
Good Samaritan Hospital - Phoenix, Arizona
Repair Burner Throat on FM Boiler

1671 - Combustion Equipment Co - Phoenix, Arizona
Repair Incinerator Door

ARIZONA (Continued)

Ebasco Services, Inc.
2078 - Cholla Steam Station - Navajo County, Arizona
(Joseph City, Ariz)
Refractory Setting for CE Boiler
(A) - Extra Work

2103 - See C. C. Moore & Co. Engineers
Arizona Brewing Co. Inc - Phoenix, Arizona
Labor and material to repair Firebox in B & W
FF 13 #24 Boiler - Unit #1

2149 - Reynolds Metals Company - Phoenix, Arizona
Design and supply temperature control system
for Aluminum Remelt Furnace

1962

2246 - Reynolds Metals Company - Phoenix, Arizona
Reline #4 Aluminum Furnace Stack

2265 - See C. C. Moore & Co. Engineers
Arizona Brewing Co. Inc - Phoenix, Arizona
Labor and material to repair Fire Box in
B & W FFB #24 Boiler Unit #2

General Aluminum & Chemical Corp
2505 - Phoenix, Arizona
Furnish Combustion Equipment

1963

2651 - Phoenix, Arizona
Reynolds Metals Co - Supply Combustion System
less Equipment returned.

2662 - Kircher Asbestos & Rubber Co Inc.
C. C. Moore & Co. Engrs.
Phelps Dodge Corporation
Douglas, Arizona
Labor and material to install refractories in
Two (2) B & W Waste Heat Boilers

2824 - Magma Copper Co - San Manuel, Arizona
Supply Coen Burner system for Copper
Reverb Furnace

1964

2977 MAGMA COPPER
San Manuel Division
San Manuel, Arizona
Design and construct Gas Reforming Plant

3089 THE RALPH M. PARSONS COMPANY
Duval Corporation
Mineral Park, Arizona
Labor only to install lining for 20' Skinner Roaster and 10' Skinner Dryer

3230 REYNOLDS METALS CO.
Phoenix, Arizona
Furnish North American combustion equipment

3285 RALPH M. PARSONS CO.
Phelps-Dodge Corporation
Morenci, Arizona
Install Refractory lining in gas ducts.

3328 STEARNS-ROGER CORPORATION (Denver)
Magna Copper Co.
San Manuel, Arizona
Supply Coen Burners

1965

3447 BABCOCK AND WILCOX CO.
Magna Copper Co.
San Manuel, Arizona
Supply Detrick Materials for two (2) B & W Waste Heat Boilers

3510 SOUTHWEST FOREST INDUSTRIES
Snowflake, Arizona
Refractory repairs to 8 ft. diameter lime Kiln.

3770 TWYMAN ENGINEERING CO.
Le Fleur Corp.
Phoenix, Arizona
Labor and material to install lining in tubular Helium heater.

3748 FOSTER-WHEELER CORP (Livingston, New Jersey)
Arizona Chemcopper
Bagdad, Arizona
Install acidproof materials in leach tanks and reduction storage tanks

1965 ARIZONA (Continued)

3833 W.F.H. SCHULTZ INC.
Arizona Chemcopper
Bagdad, Arizona
Unload material
(A) Const. reformer heater lining

1966

3861 FOSTER WHEELER CORP.
Arizona Chemcopper co.
Bagdad, Arizona
Labor only to construct control house.

3954 SPRECKELS SUGAR COMPANY
Tempe, Arizona
Furnish and install lining in vertical lime Kiln and furnish only lining for multi-hearth Kiln.

4000 ALLISON STEEL MFG. CO.
Rolling Mill Divn.
Phoenix, Arizona
Supply and install new lining in reheat furnace

4006 REYNOLDS METALS COMPANY
Phoenix, Arizona
Install Refractory and Insulation Materials, #1 Remelt Furnace

4116 PHELPS DODGE CORP
Morenci Smelter
Douglas, Arizona
Inspection and repair of roaster flue ductwork

4135 REYNOLDS METALS COMPANY
Phoenix, Arixona
Install refractory materials in #8 remelt furnace

4150 KAISER REFRACTORIES (Los Angeles)
Allison Steel
Tempe, Arizona
Rebuild side walls on reheat furnace

4255 REYNOLDS METALS CORP
Phoenix, Arizona
Labor only to reline #9 remelt furnace

4970 ALLISON STEEL
Helena, Arizona
Repairs to bullnose

5050 HOLMES AND NARVER
KENNECOTT COPPER CO
Hayden, Arizona
Furnish and install acid proof materials in contact sulphuric acid plant.

5353 WESTERN PRECIPITATION (LA)
KENNECOTT COPPER CORP°
Hayden, Arizona
Install acid brick in floor of lead lined tank.

5607 RALPH M PARSONS CO
ANACONDA COMPANY
Sahuarita, Arizona
Install lining in 12 cyclones and 5 peabody air heaters.

~~5672 ALLISON STEEL~~
~~Tempe, Arizona~~
~~Labor and Material to repair Billet heating furnace.~~
Cancelled
See Job 5731

5731 ALLISON STEEL
Phoenix, Arizona
Repair heheat furnace

5761 INSPIRATION CONSOLIDATED COPPER
Inspiration, Arizona
Supply engineering to design fired matte launder, preheat burner installation and air heater ductwork.
~~A Supply No. Amer. equip ofr reverb burner system.~~
Cancelled
See Job 5781

5781 INSPIRATION CONSOLIDATED COPPER CO
Inspiration, Ariz. Supply comb equipment for reverb furnace.
A Provide design of comb. system

5909 Inspiration Consolidated Copper 9/30
Miami, Arizona
Combustion system for fired matte launder

6685 Phelps-Dodge Corporation
Morence, Arizona
Supply 5 burners and installation design for #3 Reverb 1971

6726 Combustion Engineering
Power Services Department
Windsor, Conn.
Arizona Public Services Department-Red-Rock
Repairs to CE Boiler Damaged by explosion

6861 Arizona Portland Cement
Rillito, Arizona
Design and Construct Air Heater 1971

6885 California Portland Cement 1971
Arizona Portland Cement
Rillito, Arizona
Refractory Linings Kiln, Cooler and Preheater

6999 Phelps-Dodge Corporation 1971
Douglas, Arizona
Furnish Abresist and Mortar for Parshall Flume

7021 Phelps-Dodge Corporation 1972
Douglas, Arizona
Furnish Abresist and Mortar for Parshall Flume

7225 Phelps-Dodge Corporation 6/72
Morence, Arizona
Labor only to repair #3 Reverb Furnace

7460	Stearns-Roger Phelps Dodge Corp. Morenci Refractory Installation	12/72
7539	American Smelting and Refining Hayden Install Refractory Linings in Anode Plant	1/73
7522	Marathon Steel Company Tempe, Supply Labor and Material to Reline Billet Heating Furnace.	1/73

Continued on Next Page

7654	Arizona Portland Cement Co Rillito, Arizona Repairs to Kiln Inlet Housing	4/73
7655	Arizona Portland Cement Co Rillito Arizona Install Lining on top portion of two first stage Cyclones.	4/73
7852	Arizona Portland Cement Rillito, Arizona New Lining for #2 Kiln Hood	9/73
7865	KENNEDY VAN SAUN U.S. LIME Nelson, Ariz Refractory Linings Lime Calcining Sys	9/73
7885	Arizona Portland Cement Rillito, Ariz. Install 3½" Lo-Erode Lining in Gas Duct Sys Second and Third Stage Cyclones, #4 Kiln Preheater.	9/73
8190	Harbison Walker Refract./Hecla Mining Co Install Refractory in 2 Fluid Roasters. Casa Grande, Az.	4/74
"A"	Remove & Replace ALE53 in One Roaster and Furnish Asbestos Millboard behind Skews.	
8252	Hecla Mining Co-Casa Grande, Ariz Acid Brick Linings Chemico Acid Plant	5/74
"A"	Extra Work	
8300	Hecla Mining Co-Casa Grande, Ariz Refractory Linings for Rotary Kiln Afterburner and Indurating Machine	6/74
"A"	Extra Work to Grind and Cut Brick at Retaining Bars & Boxes in Rotary.	5/75

ARIZONA Cont'd

8481	Arizona Portland Cement Rillito, Az. Rental of Scaffolding & Installation of 2 Poke Holes in Preheater Second Stage Cyclone.	9/74
8550	Arizona Portland Cement, Rillito Repairs to #4 Kiln	11/74
"A"	Repairs to #2 Kiln Firing Hood.	
8667	Arizona Portland Cement, Rillito Refractory Line Ductwork from Firing Hood to Cyclone for Coal Firing Sys - Kilns 1,2,3,4.	1/75
8687	Phelps Dodge - Morenci Furnish 52 Frames	2/75
8707	Magna Copper Co., Manuel Install Refr. Lining in Melting & Holding Furnace.	2/75
8885	Flintkote Co/US Lime Div - Nelson Repairs to Lime Kiln	7/75
8939	Arizona Portland Cement, Rillito Repairs to #4 Kiln Inlet Housing.	8/75
9180	USLime/Flintkote Div - Nelson Repair to Lime Kiln	2/76
9253	Arizona Portland Cement-Rillito Design & Materials for Refractory Covering for Kiln Burner - #4 Kiln	5/76
"A"	Additional Material	
"B"	Furnish 6 Rings of Brick for #4 Kiln Burners	
"C"	Furnish 6 Rings of Brick for #1 Kiln Burner	
9308	Phelps Dodge-Morenci Acidbrick Repairs Humidifying & Cooling Towers.	6/76

9378	Arizona Portland Cement – Rillito Repairs to Inlet Housing on #4 Kiln.	7/76
9377	Hecla Mining – Casa Grande, Ariz Repairs to Induration Machine.	7/76
9472	Magma Copper CO – San Manuel Furnish Flue Balloon Temperature Control System	10/76
9514	Hecla Mining Co – Casa Grande Repairs to Induration Machine	11/76
"A"	Add'l Repairs to Induration Machine	1/77
9599	U S Lime – Nelson, Ariz Replace Refractory Dam on End of Kiln	1/77
9614	Arizona Portland Cement – Rillito Repairs to #4 Kiln	1/77
9763	Arizona Portland Cement – Rillito Repairs to #2 Kiln Cooler	5/77
9824	Randolph, Arizona PROLER INTERNATIONAL Refractory Lining for Vessels & Ducts in Tin Recovery Plant	6/77
9844	Morenci, Ariz PHELPS DODGE Repairs to #5 Reverb	6/77
"A"	Install New Top Floor Course in Pump Tank	7/77
9938	Hecla Mining – Casa Grande, Install Acid Brick Lining in Agitated Leach Tank	8/77
10000	Kennedy Van Saun/US Lime – Nelson Install Refractory Lining in Preheater Lime Kiln System	10/77

A-sort brick, layout ring & advise KVS. B-Extra matl. C-New openings. D-Premium time repair hood. E-Extra work.

ARIZONA

10241 Arizona Portland Cement - Rillito 2/78
Repairs to #4 Kiln Inlet Housing

10544 Kennedy Van Saun/US Lime - Nelson, Ar 9/78
Remove Downstream Dam & Replace
with 12" RKB on #2 Kiln

10639 Magma Copper - San Manuel 11/78
Design and Supply 1 Watercooled
Burner Tile

10994 PHELPS DODGE - Morenci 6/79
Repair roof on # 3 Reverb

11296 ARIZONA PORTLAND CEMENT 12/79
Rillito, AZ
Repairs to #4 kiln

11329 SOUTHWESTERN INDUSTRIAL/CONTRACTORS
AND RIGGERS/KENNECOTT COPPER CORP
Hayden, Arizona 12/79
Labor only to install acid brick lining
in new drying tower

11350 Rillito, Ariz 1/80
AIRZONA PORTLAND CEMENT
Repair preheater #4 kiln

11487 ARIZONA PORTLAND CEMENT
Rillito, AZ 3/80
Repairs to #4 kiln

ARIZONA

	PHELPS DODGE CORP	
11559	Morenci	5/80
	Labor and material to rebuild #3 reverb	
11591	SOUTHWESTERN INDUSTRIAL CONTRACTORS & RIGGERS/ INSPRIATION CONSILIDATED COPPER COMPANY	5/80
	Inspiration, Arizona	RCN
	Install refractory as part of ventilation of the matte end of the electric furnace	
11598	SOUTH WESTERN INDUSTRIAL CONTRACTORS & RIGGERS/ KENNECOTT COPPER	5/80
	Hayden, Arizona	RCN
	Install new acid brick lining in existing 94% pump tank	
11609	INSPIRATION CONSOLIDATED COPPER	6/80
	Inspiration, Arizona	RCN
	Repairs to electrical smelting furnace	
11612	PHELPS DODGE	6/80
	Morenci, Arizona	JEA
	Service JTT air preheater	
11645	ARIZONA PORTLAND CEMENT	6/80
	Rillito, Arizona	
	Repairs to #2 hood and cooler firing	

ARIZONA

11712	PHELPS DODGE Morenci Labor to rebuild #5 reverb	1980
11713	PHELPS DODGE CORP Rebrick the 93% pump tank on "A" train - acid tank	8/80 JEA
11723	PHELPS DODGE CORP Morenci Rebrick the 93% & 98% ~~xxx~~ pump tanks on "B" train	8/80 JEA
11724	PHELPS DODGE CORP Morenci Install refractory castable to roaster sprinkle test baffle	8/80 JEA
11795	ARIZONA PORTLAND CEMENT Rillito, AZ Necessary repairs to preheater, ~~xxx~~l cooler and hood #4 kiln	9/80
11833	FLINTCOTE/U S LIME Nelson, AZ Replace two 12ft trefoils Kiln #1	10/80
12024	MAGMA COPPER San Manuel, AZ Supply two 22" dia. water cooled burner tubes	JEA
12086	FLINTKOTE Nelson, AZ Repair Trefoil	HWB

ARIZONA

12127	ARIZONA PORTLAND CEMENT	
	Rillito, AZ	CO
	Necessary repairs to unit #4 kiln	4/81
A	Supervision of kiln installation	

12134	MAGMA COPPER	
	SEan Manuel , AZ	JEA
	Supply two 22" dia. water cooled burner tiles	4/81

12216	U S LIME	
	Nelson, AZ	CO
	"Shim" trefoil #1 kiln	6/81

12231	ARIZONA PORTLAND CEMENT	
	Rillito, AZ	DKO
	Fabricate and line meal pipe #4 ducting	6/81

12264	ARIZONA PORTLAND CEMENT	
	Rillito, AZ	CO
	Repair #2 firing hood	7/81

12421	FLINTKOTE CEMENT & LIME CO/	
	U S LIME - Nelson, AZ	11/81
	Repairs to salt water plant	

12541	ARIZONA PORTLAND CEMENT	
	Repairs to #3 cooler	2/82

ARIZONA

12542	ARIZONA PORTLAND CEMENT Rillito, AZ Repairs to #4 eyebrow	2/82
12555	MAGMA COPPER San Manuel, AZ Supply two 22" dia. water cooled burner	2/82 LG
12571	ARIZONA PORTLAND CEMENT Rillito, AZ Repairs to feed end housing and pre-heaters #4 kiln	2/82
A	Repair firing hood	3/82
12747	ARIZONA PORTLAND Rillito, AZ Replace seal ring #2 hood 7/82	
13403	PHELPS DODGE Morenci, AZ Inspect and Service Air Heater	3/84
13552	ARIZONA PORTLAND CEMENT Rillito, AZ Repair #4 Kiln	7/84
13563	ARIZONA PORTLAND CEMENT Rillito AZ Install Lining in #3 Kiln	7/84
13567	ARIZONA PORTLAND CEMENT Rillito, Az Repair #2 Kiln	7/84
13606	ARIZONA PORTLAND CEMENT Rillito AZ Repair Roof #2 Cooler	8/84

ARIZONA

13615	ARIZONA PORTLAND CEMENT Rillito AZ Repair #4 Kiln	9/84
13616	ARIZONA PORTLAND CEMENT Rillito AZ Rebuild #1 Hood	9/84
13617	ARIZONA PORTLAND CEMENT Rillito AZ Steel Modifications to Feed Hood #4 Kiln	9/84

ARKANSAS

8710 APROS/VULCAN MATERIALS 2/75
Benton, Arkansas
(1) Special 80,000# Alum. Melting Furnace
"A" Lining for Dryer, Combustor Collector and Misc Ducts & Chutes.

C O L O R A D O

1944

4551 - Lindberg Engineering Co. and Harmon & Co.
Kaiser Industries - Remaco, Colorado
Brickwork - Three (3) Cooling Conveyors

1956

8723 - **The Stearns-Roger Manufacturing Co.**
Union Oil Company of Calif.
Grand Valley, Colorado - Shale Oil Plant
Design and Construct One Waste Gas Incinerator

1967

4644 ABEX CORPORATION
Denver, Colorado
Furnish North American combustion equip

4697 STEARNS ROGER CO
Denver, Colorado
SOUTHERN CALIF EDISON CO
San Bernardino Steam Station
Replace reheat tube
Baffle wall, boiler #1

CONNECTICUT

6726	Combustion Engineering Power Services Dept. Windsor, Connecticut Arizona Public Services Co. Saguaro Steam Station Red Rock, Arizona Repairs to C-E Boiler Damaged in Explosion	5/71
7104	Air Correction Division Universal Oil Products Company Darion, Connecticut American Cyanamid Azusa Repair Lining in NO_x Destructor	
"A"	Dryout of the lining	
"B"	Miscellaneous work assigned by UOP	
"C"	Additional work	3/72

D E L A W A R E

1957 9421 - C. F. Braun & Co.
Tide Water Associated Oil Co., Eastern Div.
Delaware City, Delaware - Waste Gas Incinerator
Material, Engineering & Design

1960 1285 - Ralph M. Parsons Co.
Stauffer Chemical Company
Delaware City, Delaware
Design & material for One (1) Waste Gas Incinerator.
(A) - No. Amer. Diaphragm for Incinerator

GEORGIA

1968

5408 C F BRAUN + CO
AMERICAN CYANAMID CO
Savannah, Georgia
Design and supply 3 adiabatic duct systems

5579 JT THORPE CO (Houston)
C F BRAUN (Alhambra)
AMERICAN CYANAMID (Savannah)
Labor + Material to construct two chlorinator linings

5695 AMERICAN CYANA MID CO
Savannah, Georgia
Fabricate line and ship one set of upper covers for adiabatic duct.

5741 C F BRAUN CO
AMERICAN CYANAMID
SAVANNAH± GEORGIA
Furniah alloy steel and refractory lined carbon steel adiabatic duct fume stack system

5776 J T THORPE CO (Houston)
C F Braun Co (Los Angeles)
American Cyanamid (Savannah)
One lot 24" Refractory lined spray cooler ducts.

5826 Catalytic Construction Co
(Philadelphia)
American Cyanamid Co
Savannah, Georgia
Design and construct heat treating furnace for silica tubes

GEORGIA

1979

11067 AMERICAN CYANAMID - Savannah
Supply one plug split scour tube #21 7/79

HONOLULU

1930

2472 - Jones-Gas Process Company
Honolulu Gas Company - Honolulu, T. H.
#7 Gas Generator

1941

1941 3680 - Honolulu Gas Company - Honolulu, T. H.
Gas Generator

1950

6913 - Nuuanu Memorial Park Mortuary, Ltd.
Honolulu, T. H. - One (1) Moore Double-Chamber
Crematory--Material and Engineering

1960

1496 - See Associated Insulation Company, Ltd
Standard Oil Company - Barbers Point, Hawaii
Refractory Linings FCC Unit

Repairs to Bypass Breeching,
#1 Incinerator

1971 6656 Combustion Engineering Inc. (Orange)
Kauai Electric Co.
Port Allen Power Station
Kauai Hawaii
Furnish material for one C-E Boiler

See next page

NO. 801-11 R 22 IP 22 U.S.A.

HAWAII

1971	6656	Kauai Electric Co. Port Allen Power Stn Kauai, Hawaii Combustion Engineering Inc. (Orange, Ca) Furnish Material for One C-E Boiler
1975	8725	Teval Corp US Naval Station, Pearl Harbor Refractory Linings Smoke Abatement Facilities.
1976	9150	Grumman Ecosystems Honolulu - Furnish & Install Refractory Linings for 2 Waipahu Incrs.
	'a'	Repairs to Bypass Breeching, #1 Incinerator

IDAHO

1940

3486 - Bechtel-McCone-Parsons Corp.
Idaho Refining Company - Pocatello, Idaho
Furnace #83

6332 INDUSTRIAL CONTRACTORS INC
1970 Idaho Falls, Idaho
ARNOLD ENGINEERING DEVELOPMENT CNTR
ARNOLD AIR FORCE STATION
Tullahoma, Tennessee
Remove and re-install pebbles + refractory
linig in pebble air heater

10605 E G & G Idaho Inc - Idaho Falls 10/78
Scoville Idaho Facility - Electric
Billet Heat Treater Kiln

NO. 801-11 R IP U.S.A.

I L L I N O I S

1935

2861 - C. F. Braun & Co.
Shell Petroleum Corp. - Wood River, Illinois
Duosol Stills

2862 - C. F. Braun & Co.
Shell Petroleum Corp. - Wood River, Illinois
One (1) Riley Boiler

1941

3571 - C. C. Moore & Co. Engineers
Owens Illinois-Pacific Coast Company
One (1) Class HI #8 Stirling Boiler

1947

5816 - C. F. Braun & Co.
Shell Oil Company - Wood River, Illinois
Enclosures for Two (2) 20 x 20 x 40 Fired Heaters--
Material Only

1966

4926 THE AUSTIN COMPANY (Des Plaines, Ill)
KAWECKI CHEMICAL CO
Wenatchee, Wn
Design and construct 3 aluminum
melting furnaces

1968 5210 C F BRAUN CO
UNION OIL CO
Lemont, Illinois
Install lining in 15 cyclones
A AA22 lining in 3 slide valves

5211 CHICAGO BRIDGE + IRON CO
C F BRAUN CO
UNION OIL CO
Lemont, Illinois
Install lining s in FCC regenerator
and reactor

5296 C F BRAUN CO
UNION OIL CO
Lemont, Illinois
Donstruct refractory lining for 2
alcorn coker heaters
A Line header boxes

5497 C F BRAUN CO
UNION OIL CO

ILLINOIS CONT°

1968	5487	C F BRAUN CO UNION OIL CO Lemont, Illinois Refractory lining for 2 train R M Parsons sulfur recovery plant
1969	5794	C F BRAUN UNION OIL CO Lemont Illinois Install 96 Burners in 6 furnaces
1970	6195	T L ARTZ FOUNDRY Chicago, Supply comb. and control equip. for cupola afterburner
1970	6270	FLUOR CORP MOBIL OIL CORP Joliet, Design and supply two sulphur furnaces
1972	7100	Chacago Bridge plus Iron Works American Oil Co. Salt Lake City, Utah Regenerator Lining

ILLINOIS

7756 — CONTINENTAL CAN CO. 7/73
White Cap Division
Chicago, Illinois
Design and construct one 8,000 SCFM and two 10,000 SIFM fume incinerator

8672 — Great Lakes Carbon - Chicago ~~5/75~~
Design and Construct One Water Cooled Damper
"A" — Supply Startup Services for Emergency Damper

9382 — Joslyn Pacific - Chicago 7/76
Engineering Consultation Re Repair of Failed Galvanizing Furnace.

9827 — Chicago - CONTINENTAL CAN CO 6/77
Misc Costs to Resolve Problem of Possible Heat Exchanger Leakage

10121 — Kaiser Aluminum & Chemical - Dolton 12/77
Design & Construct 2, 68,000# Remelt Furnaces

10438 — Kaiser Alum. & Chemical - Dolton, Ill 7/78
Design & Supply 2 Recuperators

10600 — Union Chemicals Divn. - Chicago 10/78
Design & Construct Pyro Scrubber

11852	KAISER ALUMINUM & CHEMICAL Dolton, Illinois Design and construct continuous homogenizing furnace	WRS 11/80
13456	UNION CHEMICAL Lemont Ill Modifications to K1 Pyro Scrubber Target Wall and Roof	5/84
13513	PROCON KELLOGG UNION CHEMICAL Lemont Ill K-2 Kiln and Back Spill Chute Refractory Lining	6/84
13534	UNION CHEMICAL Lemont Ill Repairs to Stack Cap and Damper K2 Unit	7/84
13579	UNION CHEMICALS Lemont Ill Fabricate and Install New 310 SS Fasteners on K1 Stack Dampers	8/84
13600	UNION CHEMICAL Lemont Ill Heat Shieids for K2 Hot Stack	8/84

INDIANA

9000	KAISER ALUM & CHEMICAL Bedford, Indiana Design & Construct Two 60,000# Aluminum Melting Furnaces	10/75
"A"	Install Lining in Stack	1/76
"B"	Install 6" Lining of IRC in Crucible heater lid.	1/76
"C"	Crucible Warmers	1/76
"D"	Misc Work on Saw Heater	4/76
"E"	Extra Work on Melting Furnace Troughs & Transitions	4/76
9089	J T THORPE CO RALPH M PARSONS ECOL - Garyville Furnish & Install Refractory Linings for Sulfur Recovery Unit	12/75

11413	KAISER ALUMINUM & CHEMICAL Bedford, Indiana Supply and install modified combustion system	2/80
11872	KAISER ALUMINUM & CHEMICAL Bedford, Indiana Design and supply combustion systems for aluminum scrap plant	11/80 WRS

K A N S A S

1951

7183 - The Fluor Corporation Ltd.
Derby Oil Company, Wichita, Kansas
Materials only for H-1 Stack Lining
(A) - Materials only for V-2 Reactor Lining

1976

9430 - Acme Foundry, Coffeyville, Ka.
Supply Combustion System for
Cupola Afterburner.

K E N T U C K Y

1954

8200 - The Fluor Corporation, Ltd.
B. F. Goodrich Chemical Co. - Calvert City, Ky.
Construct One Waste Gas Incinerator

1966

4200 STANDARD OIL CO (Kentucky)
Pascagoula, Mississippi
Design and supply and install
lining in 3 paraxylene reactors

1970

6105 AMERICAN STANDARD
Louisville, Ky.
Furnish flame safety panel

1977

9920 Martin Marietta Alum - Lewisport 8/77
Design & Supply 6 Aluminum Furnaces

1979

11000 ARMAY CONSTRUCTION CO/
MARTIN MARIETTA ALUMINUM

Lewisport - Design and construct
four holders 5/79

1980 ARMAY CONSTRUCTION CO. 4/80
MARTIN MARIETTA ALUMINUM
Lewisport, KY
Install refractory lining in additional
plant equipment RCN

KENTUCKY

1980	MARTIN MARIETTA ALUMINUM Lewisport	
11672	~~M~~ Repair on melting furnaces refer ~~tt~~9920	TWC

LOUISIANA
(Also see Houston Office job book)

1941

3627 - C. F. Braun & Co.
Standard Oil Company of Louisiana
Baton Rouge, Louisiana
Material for Fired Heater

1942

3771 - C. F. Braun & Co.
Standard Oil Company - Baton Rouge, La.
Two (2) Fired Heaters

3906 - Robert L. Johnson Company
Stone & Webster Engineering Corp. - Erath, La.
Brick Settings - Three (3) Single 23-VM-17.00
C-E Bent Tube Boilers

1943

4153 - See T-501
Standard Oil Company of Louisiana
Baton Rouge, La. - Acid Proof Brick Lining -
Tanks Nos. 160, 293, and 294; New Separator No.
139--#1 and #2 Acid Plants

T-4193 - See T-502
Diamond Iron Works, Inc.
and the Mahr Manufacturing Co. Division
Union Tank Car Company - No. Baton Rouge, La.
Brickwork Lining - One (1) Car-Type Furnace

1944

T-4441 - See T-506
The Fluor Corporation, Ltd.
The Texas Company - Berwick, La.
Bateman Lake Cycling Plant - Brick Settings -
Three (3) 336 h.p. type "VM" C. E. Boilers, set-
singly

T-4442 - See T-507
The Fluor Corporation, Ltd.
The Texas Company - Berwick, La.
Bateman Lake Cycling Plant
Refractories and insulation -
Two (2) Petro-Chem Heaters

1946

5778 - C. F. Braun & Co.
Standard Oil Company of New Jersey
Baton Rouge, Louisiana
Material Only--Two (2) 12 x 15 x 30 Heaters

(contd.)

LOUISIANA
(contd.)

1948 6262 - C. F. Braun & Co.
ESSO Standard Oil Company, Louisiana Division
North Baton Rouge, La.
Vacuum Unit #7, TK - One (1) 15 x 20 x 40
Fired Heater--Material Only

6343 - C. F. Braun & Co.
ESSO Standard Oil Company, Louisiana Division
North Baton Rouge, La. (Material Only)
Refractory and Insulation for Three (3) Fired Htrs:
(1) The Splitter Reboiler F1, 12 x 12-30
(2) The Rerun Feed Preheater F2, 10 x 12-20
(3) The Rerun Reboiler F3, 8 x 8-20

1952 7504 - C. F. Braun & Co.
ESSO Standard Oil Company - Baton Rouge, Louisiana
Two (2) Selas Heaters - Material Only

1970 6404 J F Pritchard Co Kansas City, Mo.
Enjay Chemical Co
Baton Rouge, La.
Design and construct two 40,000 SCFM
Phathalic Anhydride incinerators.
A Construct and install two 67% effective
heat exchangers for above incinerators

1971 6640 Humble Oil + Mfg. Co.
Baton Rouge, La.
Ralph M. Parsons Co, L. A.
Design and construct two waste gas
Incinerators/
Thermal Oxidizer w/Stack

1975 8195 Ralph M Parsons/Cities Serv Oil Co-Lake Chas.

1975 8768 Ralph M Parsons/ECOL-Garyville, La.

~~8195-A Add Electric Motor to Stack Cap~~ cancelled
B Drive Motor for Weather Cap

7700 CONOCO (Continental Oil Co) Lake Chas., La
Design & Detrick Wall and Arch materials
for Coke Calcining Incr. 5/73
"A" Model Study & Test Work

LOUISIANA

9976	Marathon Oil Co./R M Parsons Garyvill, Louisiana Design & Supply Thermal Oxidizer	9/77
10100	Kaiser Aluminum & Chemical Chalmette & Gramercy Design & Construct Coke Calcining Incinerator and Stack	11/77
"A"	Chalmette Unit	
"B"	Gramercy Unit	
"C"	Modeling Study	
10329	J T Thorpe Co/Selas Corp/American Cyanamid Westwego, La. Install Refractory Lining in Reformer Furnace	
11117	KAISER ALUMINUM & CHEMICAL Norco, Louisiana Build test modle of elbow	8/79
11180	KAISER ALUMINUM & CHEMICAL Norco, Louisiana Design and construc t coke calcining incinerator	9/79
11655	CONALCO LAKE CHARLES, LA Design and construct coke calcining afterburner	7/80 HWB
11840	KAISER ALUMINUM & CHEMICAL Chealmette, Louisiana Design and construct waste heat boiler breeching	10/80

MARYLAND

1942

3769 - C. F. Braun & Co.
Standard Oil Company - Baltimore, Maryland
Two (2) Fired Heaters

1968 ~~XXXXXXXXX~~

5116 ABEX CORP
Railraod Products Divn
Baltimore, Maryland
Supply Comb. equip and comb. equip
for cupola afterburners

5340 C F BRAUN CO
GLIDDEN DURKEE
Baltimore, Maryland
Furnish and install two chlorinator
linings, T_1 O_2 Plant

5390 C F BRAUN CO
GLIDDEN DURKEE DIVN
SCM CORP°
Baltimore, Md.
Design + Supply two adiabatic duct systems

1969 5905 GLIDDEN-DURKEE
Div of SCM Corp.
Baltimore
Supply Labor and material to
heat treating furnace for Silica
tubes.

(As above)

1970 6535 Fabricate and deliver 5 Adiabatic duct
sections.

1972 7272 GLIDDEN_DURKEE
Baltimore, Maryland
Complete adiabatic duct system

NO. 801-11 R PRINTED IN U.S.A.

1972 7411 CONTINENTAL CAN CO.

Sparrows Point, Maryland

Design and construct four 8000 SCFM fume incinerators and two 10000 SCFM incinerators.

( )

10019 Abex Corporation - Baltimore 10/77

Cupola Afterburner Dual Fuel Burner System

( )

( )

MASSACHUSETTS

3686 Riley Stoker Corporation (Worcester)
San Diego Gas and Electric Co.
Chula Vista Station, Unit #3
Refractory and insulation alterations

MICHIGAN

8276 Rhe Ralph M. Parsons Company
Aurora Gasoline company - Detroit, Michigan
Engineering and Materials only for one
waste gas incinerator 1954

6122 The Bendix Corp.
St. Joseph
Supply No. American Equipment
and prewired panels. 1970

6679 Auto Specialties Mfg. Co.
St. Joseph Michigan
Supply Burner and Flame Safety Equipment
for Cupola Afterburner

M I N N E S O T A

1955

8399 - The Fluor Corporation, Ltd.
Great Northern Oil Co. - Pine Bend, Minnesota
Supply only - Hot Gas Bypass Valve

8429 - The Fluor Corporation, Ltd.
Great Northern Oil Company - Pine Bend, Minnesota
Waste Gas Incinerator - Materials Only

8446 - The Fluor Corporation, Ltd.
Great Northern Oil Company-Pine Bend, Minnesota
Material and Supervision for Sulphur Converter and Reactor Furnace Linings

9026---Despatch-Oven-Company---Minneapolis,-Minnesota

1962

2256 - Great Northern Oil Company
Pine Bend, Minnesota
Waste Gas Incinerator

2399 - J T Thorpe Company - Houston
Fluor Corporation
Great Norhtern Oil Company - Pine Bend, Minn.
Sulfur Recovery Unit

1966

3925 GREAT NORTHERN OIL COMPANY
St. Paul, Minnesota
Furnish valve plug, valve seat and stem for hot gas bypass valve.

4248 BROS INC (Minneapolis, Minnesota)
RALPH M. PARSONS CO.
ATLANTIC-RICHFIELD OIL CO
Watson, Calif
Furnish and install lining in reformer gas cooler

MINNESOTA (Continued.)

6306 Abex Corp., Minneapolis ( )
Supply combustion and flame safety equipment for cupola afterburner. 1970

M I S S I S S I P P I

(Also see Houston Office job book)

1945

5243 - Filtrol Corporation - Jackson, Miss.
4,000,000 B.t.u. Line Burner Shell --
Material Only

1946

5599 - Filtrol Corporation - Jackson, Miss.
One (1) 4,000,000 B.t.u. Line Burner--
Material Only

1956

8777 - J. T. Thorpe Company
The Fluor Corporation - Purvis, Mississippi
Design and Construct One Hot Gas Bypass Valve

1964 3159 C F Braun and Co
American Potash and Chemical
Aberdeen (Hamilton), Mississippi
Refractory and acidproof linings for
titanium dioxide plant.

3349 AMERICAN POTASH & CHEMICAL Co
Hamilton, Mississippi
Design and construct silica tube annealing
furnace.

1965 3421 C F BRAUN & CO
AMERICAN POTASH & CHEMICAL CORP
Aberdeen
Construct 3 adiabatic boxes and flues, and
3 scour tube burners

3675 American Potash and Chemical
Pigment Plant
Hamilton, Mississippi
Supply 2 scour tube burners

3722 C F BRAUN & CO.
American Potash and Chemical
Hamilton, Mississippi
Three Adiabatic Flues

1966 3880 AMERICAN POTASH AND CHEMICAL CO.
Hamilton, Mississippi
Furnish one set adiabatic duct covers

MISSISSIPPI (Continued)

1966 (Continued)

4080 J T THORPE CO (Houston, Texas)
C F BRAUN & CO (Alhambra)
AMER POTASH & CHEM CO
Hamilton, Mississippi
Lining for one chlorinator, one sand separator, one spray cooler, two acid mix tanks, one acid sump

(A) Install refractory linings in oxygen preheater and $TiCl_4$ preheater

4200 STANDARD OIL CO (Kentucky)
Pascagoula, Mississippi
Design and supply and install lining in 3 paraxylene reactors

1967

4382 C F BRAUN & CO (Alhambra)
AMER POTASH & CHEM CO
Hamilton, Mississippi
Construct one set of adiabatic ducts

(A) Scour tube burner

1968

5411 RALPH M PARSONS
INGALS SHIPBUILDING CO
Divn of Litton Industries
Pascagoula, Mississippi
Design, supply and construct one 10' x 34' plate heating furnace

6848 J T Thorpe Company (Houston)
M W Kellogg Company
Standard Oil Company
Pascagoula, Mississippi
Reactor Dryout

10167 Ralph M Parsons - Amerada Hess
Purvis, Miss.
Design & Construct 1 Thermal Oxidizer

MISSOURI

5115	Abex Corporation Railroad Products Divsn. Kansas City, Mo.	1968
5219	American Alloys Corp. Kansas City, Mo. Supply combustion adn control equipment for shredder dryer	
6388	Fish Engineering (Houston, Texas) J T Thorpe Company (Houston, Texas) Panhandle Eastern Co. (Kansas City, Mo.) Design fume incinerator.	1970
6585	Lianco Container Corp. St. Louis, Mo. Design and supply one 21,000 SCFM Fume Incinerator	1971
6404	J F Pritchard Co. (Kansas City, Mo.) Enjay Chemical Co., Baton Rouge, La. Design and construct two 40,000 scfm phathalic anhydride incinerators.	1970

MONTANA

1939

3314 - Bechtel-McCone-Parsons Corp.
Glacier Productions Corp. - Cutbank, Montana
Parsons Oil Heater

3331 - Bechtel-McCone-Parsons Corp.
Glacier Productions Corp. - Cutbank, Montana
Oil Heater #72

3342 - Bechtel-McCone-Parsons Corp.
Glacier Production Corp. - Cutbank, Montana
Oil Heater #73

1948

6200 - C. C. Moore & Co. Engineers
Carter Oil Company - Billings, Montana
Brickwork and Insulation for Four (4) Class
FF16 No. 40 B. & W. Boilers

1954

8115 - Southwest Welding & Manufacturing Co.
The Ralph M. Parsons Company
Union Oil Company - Cutbank, Montana
Alhambra - Line Two Reactor Vessels in Your Shop

1968

5356 CHICAGO BRIDGE + IRON CO
Fremont, California
HUMBLE OIL CO
Billings, Montana
In stall refractories cat. cracker turnaround

NO. 901-11 R HP U.S.A.

N E V A D A

1929

2364 - Union Pacific System - Las Vegas, Nevada
One (1) 250 h.p. Stirling Boiler Brickwork

1941

3677 - C. C. Moore & Co. Engineers
Blue Diamond Corp. - Arden, Nevada
One (1) Class HIII No. 10 Boiler

3738 - McNeil Construction Company
Basic Magnesium Corp. - Las Vegas, Nevada
80 Chlorinator Linings

1942

3755 - C. C. Moore & Co. Engineers
Basic Magnesium, Inc. - Las Vegas, Nevada
Three (3) F22 BG-16 Boilers

3846 - C. C. Moore & Co. Engineers
P. J. Walker Company
Manganese Ore Company - Royson, Nevada
Two (2) Waste Heat Boilers

3847 - C. C. Moore & Co. Engineers
P. J. Walker Company
Manganese Ore Company - Royson, Nevada
Three (3) Class HIV #24 Stirling Boilers

3887 - P. J. Walker Company
Manganese Ore Company - Royson, Nevada
Rotary Kilns and Acid Tanks

1943

4015 - Western Precipitation Corp.
Manganese Ore Company - Boulder City, Nevada
Insulating One (1) Multiclone, size 140-10

1945

4884 - Defense Plant Corporation
Western Electrochemical Co. - Henderson, Nevada
By: Bechtel-McCone Corporation
Refractory Lining for Drying Machine Combustion Chamber

1945

5026 - Bechtel-McCone (Incorporated)
Western Electrochemical Company - Henderson, Nev.
Brickwork and Insulation Lining -
Three (3) Dryer Furnaces

5383 - C. C. Moore & Co. Engineers
Blue Diamond Corporation - Arden, Nevada
Brickwork - One (1) Class HIII #13 Boiler

(contd.)

NO. 801-11 R 2[illegible] U.S.A.

NEVADA
(contd.)

1946

5568 - C. C. Moore & Co. Engineers
Blue Diamond Corporation - Arden, Nevada
#1 Boiler Brickwork Repairs -
A Class H-30 No. 10

1950

6829 - Keystone Steel Fabricating Co.
Stauffer Chemical Company - Henderson, Nevada -
Lindane Plant - Acid-Proof Linings for:
One (1) Molten BH_6 Tank; and One (1) Still

6961 - Macdonald Engineering Company of Calif., S. F.
Basic Refractories, Inc. - Gabbs, Nevada
Labor, etc., for Firebrick and Insulation for
Refractory Linings of Rotary Kiln, Fuller Cooler,
Dust Chamber and Kiln Feed and Firing Hood

1951

7174 - National Lead Company.
Titanium Division - Henderson, Nevada -
Fluo-Solids Reactor - Acid-Proof Brick Lining

7301 - The Standard Slag Company - Gabbs, Nevada
Labor only to Install Refractory Lining
for One (1) Rotary Kiln, 10'x8'x196' long
(A) - To Line Firing Hood

1952

7466 - Last Chance Mining Corporation --66 mi. from
4-18-52 Tonopah, Nevada - To Construct One (1) Antimony
Canceled Reverberatory Furnace
(per WFB)

7490 - Standard Steel Corporation
Pioche Manganese Company - Pioche, Nevada;
Refractory Lining for One (1) #633 Fuller
Inclined Grate Cooler

7512 - McNeil Construction Co. of Nevada
For: Western Electrochemical Co.
Henderson, Nevada -- To Install Acid-Proof
Lining in 29 Electrolytic Cells

1953

7806 - Titanium Metals Corporation of Henderson, Nevada
To Construct Two (2) Titanium Reactor Dis-
tributor Plates

1953

7964 - Titanium Metals Corporation of America
Henderson, Nevada - To Reline #87 Chlorinator

7965 - Titanium Metals Corporation of America
Henderson, Nevada - To Repair Three (3)
Electrode Rings in #88 Chlorinator
(A) - #85 Chlorinator - same as above
(B) - #82 Chlorinator - Same as above
(C) - To Reline Caustic Tower #82
(D) - #85 Chlorinator Rework
(E) - Repair Brickwork in Circular Tunnel Kiln
(F) - #83 Chlorinator
(G) - #85 Chlorinator Rework
(H) - #86 Chlirinator Repair
(I) - #81 Caustic Tower
(J) - #84 Chlorinator Tower
(K) - Reduction Furnaces - Plastic Rings
(L) - Repair Holes in Floor
(M) - Concrete Block & I.F.B. - Sludge Evaporator
(N) - Reduction Furnaces - Cast Tops
(O) - Set #5 Electrode in #88 Chlorinator
(P) - #2 Sludge Evaporator
(Q) - #6 Furnace Burner Floor
(R) - #82 Chlorinator Rebrick (2nd time)
(S) - Dust Collector
(T) - Rebuild #6, #7, #8 Reduction Furnaces
(U) - Cradles on Reduction Furnaces #9 & #10
(V) - Grout Base of Boring Mill
(W) - Cradles on Reduction Furnaces #5 & #6
(X) - Remodel Reduction Furnace #4
(Y) - Repair Briquetting Plant
(Z) - Line Spool for #83 Chlorinator

1954

8100 - The H. K. Ferguson Company, Agents for
Titanium Metals Corporation of America
Henderson, Nevada - Line One Wash Tower and
One Caustic Tower

8104 - Titanium Metals Corporation of America
Henderson, Nevada (Misc. Refractory Repair Work)
Sundry Expense Items
(A) - Repair Brickwork in Furnace #9
(B) - Install Bottom Supports in Furnace 1 and 2
(C) - Repair Brkwrk & Electrodes in Chlorinators
82, 83, 84, and 86

8104 - (contd.)

(D) - Install Support Rings in Furnaces #11 thru #22
(E) - Repair Floor in Blending & Floor Damaged by Fire in
(F) - Rebrick #3 Furnace Furnace #3
(G) - Brkwrk for Lining Manholes on Acid Drain
(H) - Cast & Reinsulate six Furnace Lids
(I) - Pour Concrete for Pump Bases Under Clarfier #81
(J) - Pour Cement Floors over Cells in D-8
(K) - Install Auxiliary Gas Burners in Briquetting Kilns
(L) - Install Concrete Block Bulkhead around Switch Gear Area in FF8 and 10
(M) - Pour Concrete Trench for Sludge Line
(N) - Rebrick #6 Furnace
(O) - Pour Wall in Reactor Pits West Dry Room & Kinney Pump Foundation
(P) - Do Concrete Work & Place Anchor Bolts for Sponge Crushing
(Q) - Install Brick Wall Around Furnace & Heat Treating Room in Unit 10 Basement
(R) - Make Minor Repairs to Chlorinator 85
(S) - Place Anchor Bolts and Concrete
(T) - Sort, Palletize, and Store Brick from Salvage Yard to Bldg. T-3
(U) - Pour Three Reactor Pits in West Dry Room
(V) - Pour Five Kinney Pump Bases in Basement of FF-8
(W) - Install Tile Drain and Pour Concrete Trench in FF-8
(X) - Install Furnace Support Ring in #4 Reduction Furnace
(Y) - Repair Floor in Blending Area
(Z) - Furnish Labor to Pour Concrete Footings

8152 - Titanium Metals Corporation of America
Henderson, Nevada (Misc. Refractory
(A) - Inspect and Minor Rprs to Briquetting Kiln
(B) - Rpr Brkwrk and Install Electrodes-#77 Chlorination
(C) - Brkwrk for Relocation of Bottom Burners in Furnace#18
(D) - Brkwrk for Relocation of Bottom Burners in Furnace#19
(E) --Brkwrk for Relocation of Bottom Burners in Furnace#20
(F) - Brkwrk for Relocation of Bottom Burners in Furnace#21
(G) - Brkwrk for Relocation of Bottom Burners in Furnace#22
(H) - Brkwrk for Relocation of Bottom Burners in Furnace#2
(I) - Brkwrk for Relocation of Bottom Burners in Furnace#1
(J) - Brkwrk for Relocation of Bottom Burners in Furn( )5
(K) -
(L) - Brkwrk for Relocation of Bottom Burners in Furnace#7
(M) - Brkwrk for Relocation of Bottom Burners in Furnace#8
(N) -
(O) -

N E V A D A
(contd.)

8152 - (contd.)
(P) -
(Q) -
(R) - Brkwrk for Relocation of Bottom Burners in Furn#13
(S) -
(T) -
(U) -
(V) - Brkwrk for Relocation of Bottom Burners in Furn#17
(W) - Construct Brick Wall & Rpr Roof at Chlorine Blending Stations
(X) - Line Hot Mg CL2 Molds with Insulating Castable
(Y) - Labor to Replace Three Electrodes in #83 Chlorinator
(Z) - Rebrick #1 Furnace J-1 (with lowering burner)

8159 - Titanium Metals Corporation of America
Henderson, Nevada
Line Five Experimental Reactor Furnaces

8161 - Titanium Metals Corporation of America
Henderson, Nevada
Supply Combustion Equipment to Convert from Propane to Natural Gas
(A) - Supply Combustion Equipment for Experimental Reactor Furnaces
(B) - North American Safety Shutoff Valves

8182 - Titanium Metals Corporation of America
Henderson, Nevada - (Misc. Refractory Rpr Work)
Make Minor Repairs to #81 Chlorinator
(A) - Pour Slab in Leaching
(B) - Set Door Frame & Pour Cement Lintel & Sides
(C) - Cast Furnace Covers J-1
(D) - Rebrick #5 Furnace Reduction
(E) - Place Cast Support Ring in Furnace #18
(F) - Reinstall Block Wall Damaged in Instrument HHouse
(G) - Install Refrac Drains in 22 Furnaces
(H) - Make Neces. Repairs to Car Tops - Briquetting
(I) - Grout Steel Legs on Storage Tank
(J) - Reinstall One Burner in Furnace #4
(K) - Remove & Replace Three Short Screw Mount Electrodes in Chlorinator #87
(L) - Install New Support Ring in Furnace #9
(M) - Construct Masonry Wall South of Elevator to Bldg Wall
(N) - Install Masonry Walls in West End of D-9
(O) - Brick-line Downcomer Extensions on Condenser Tower P-84 - 85, - 86 & Rebricking on Unit #8

8182 - (contd.)
(P) - Raise Tap-hole Burner to Orig Height in Furnace #13
(Q) - Reblock a Doorway
(R) - Repair Car Top Briquetting

8254 - **Titanium Metals Corporation of America**
Henderson, Nevada - Brickwork Repairs
(A) - Remove Old & Replace With New Insul & Fire Brick - Furnace #7
(B) - Rprs to Pedestal Support in Bottom of Furnace #6
(C) - Install Support Ring in Reduction Furnace #22
(D) - Install Support Ring in Reduction Furnace #11
(E) - Install Solid Ring in Furnace #2
(F) - Replace Reactor Pedestal Support in Bottom of Furnace #2 and #3
(G) - Install Support Ring in Reduction Furnace #8
(H) - Install Solid Ring in Furnace #13
(I) - Modify Furnace #7
(J) - Rpr Brkwrk around Bottom Burner & Raise Taphole Spout on Furnace #13
(K) -
(L) - Rpr Brkwrk around Burner & Raise Taphole Spout on Furnace #19
(M) - Repair Burners & Patch Brkwrk - Furnace #17
(N) - Raise Taphole in Furnace #11
(O) - Install Solid Support Ring in Furnace #17
(P) - Install Solid Ring in Furnace #7
(Q) - T.C.M.A. Guest House - Remove Brk then replace 12" off Property Line
(R) - Crate, tag, etc, to Ship all Tools & Equip to Thorpe which were rented
(S) - Rpr Lower Burners & Raise a Hole Burner - Furnaces #20 & 21
(T) - Install Solid Support Ring in Furnace #12
(U) - Install Solid Support Ring in Furnace #14

8254 - (contd.)
(V) - Install Solid Support Ring in Furnace #19
(W) - Install Solid Support Ring in Furnace #20
(X) - Install Solid Support Rings in Furnace #21
(Y) - Furnish Labor to Cast 8 Furnace Doors
(Z) - Furnish Labor to Cast 3 Furnace Lid Sections

1955

8331 - Titanium Metals Corporation of America
Henderson, Nevada
Brickwork Repairs to #87 Chlorinator
(A) - Brick Repairs around Nozzle & to Replace West Screw Mount Electrode in Chlorinator #87
(B) - Make Repairs to Caustic Tower #82
(C) - Minor Repairs to Chlorinator #83 & Install Electrode
(D) - Brick up 12 Holes in the Engrg. Office Bldg. J-1
(E) - Brick Repairs to Two Htg Furnaces in Machine Shop Bldg. T-3
(F) - Drill Holes
(G) - Install Plug in Drain Hole of Caustic Manhole #C-19A
(H) - Install Acid Brick in #83 Wash Tower Circulating Tank
(I) - Install one Course Acid-Brick Liner over Koroseal Lining in S-82 Wash Tower Circulating Tank
(J) - Install Acid Brick Liner in 6 ft. dia. x 4 ft. high S-81 Wash Tower
(K) - Grout Blower & Motor Base with "Embeco"

mailed letter

8383 - C. C. Moore & Co. Engineers
Western Electrochemical Company - Henderson, Nevada
Dismantle Old Burner Throats and Install New Burner Throats in Four FM-9 Boilers

8412 - Titanium Metals Corp. of America - Henderson, Nevada
Repair 22 Electrolysis Cells

8468 - Western Electrochemical Company - Henderson, Nevada
Repair Four B&W Package Boilers
(A) - Supply Labor to Line One Pebble Mill

8489 - C. C. Moore & Co. Engineers
Blue Diamond Corporation - Blue Diamond, Nevada
Repair B&W FM-#79 Boiler

8611 - Titanium Metals Corporation of America
Henderson, Nevada
Labor and Material to Repair Brickwork in #82 Chlorinator

1956

8712 - American Potash & Chemical Corp. (Nevada)
Henderson, Nevada - Labor Only to Line One (1) Ball Mill

8769 - Titanium Metals Corporation of America
Henderson, Nevada
Provide Labor to Modify and Repair Brickwork in Chlorinator #86 as follows:

	Charge No.	Phase
	M-17	Flat Floor
(A) -	M-17	Bottom Cone
(B) -	M-17	Walls except Nozzles
(C) -	M-16	Dome
(D) -	M-17	10 Small Openings, Chlorine Ports, Feed Openings & Drain Nozzles
(E) -	M-17	Access Opening
(F) -	M-15	Cleanout & Remove Old Brick
(G) -		Gas Time
(H) -	M-14	Casting Feed Legs

8807 - Titanium Metals Corporation of America
Henderson, Nevada - #83 Chlorinator Repair
(A) - Bottom Cone
(B) - Walls except Nozzles
(C) - Dome
(D) - Ten (10) Small Openings - Chlorine Ports, Feed Openings, Drain Nozzles
(E) - Access Opening
(F) - Clean-out and Removing Old Brick
(G) - Gas Time
(H) - Casting Feed Legs

8828 - Titanium Metals Corporation of America
Henderson, Nevada - Design Brickwork in 14" I. D. Experimental Chlorinator
(A) - Design Brickwork for One (1) Chlorinator Dust Collector

8914 - Titanium Metals Corporation of America
Henderson, Nevada - #87 Chlorinator Repairs
(A) - Bottom Cone
(B) - Walls except Nozzles
(C) - Dome
(D) - Ten (10) Small Openings - Chlorine Ports, Feed Openings, Drain Nozzles
(E) - Access Openings
(F) - Clean-out and Removing Old Brick
(G) - Gas Time
(H) - Casting Feed Legs

8971 - Titanium Metals Corporation of America
Henderson, Nevada - Brick One (1) Chlorinator Shell
(A) - Brick One (1) Collector
(B) - Brick One (1) Transfer Line
(C) - Drill One (1) Distributor Nozzle

9009 - Titanium Metals Corporation of America
Henderson, Nevada - Repair Brickwork in Chlorinator #82 - Clean Out and Remove Old Brick - M-12
(A) - Brick up Chlorinator Floor, Nozzle Openings, Side Walls - M-13
(B) - Repair Gas Nozzle - M-11

9005 - Manganese, Inc. - Henderson, Nevada
Rebrick Kiln Hood - Labor Only

- (contd.)

9020 (contd.)
(C) - Install Linings in Acid Sump
(D) - Install Lining in Soaking Pit
(E) - Acid Brick in 6" & 8" Acid Drain
(F) - Acid Brick in 10" Acid Drain

9039 - Titanium Metals Corporation of America
Henderson, Nevada - Cut and Finish 4" I.D. Hole through Brickwork into Primary Tower Downcorner
(A) - #82 Chlorinator Repairs
(B) - 5th Chlorinator Repairs
(C) - Install Brickwork in Flume on Sludge Dryer
(D) - Install Brickwork in Dust Collector
(E) - Labor Only to Repair Brickwork in Chlorinator #86
(F) - Drill and Install New Distributor Nozzle in Experimental Chlorinator
(G) - Remove and Replace Two (2) Cathode Tower Caps
(H) - Replace #82 Wash Tower Downcomer
(I) - Make & Replace Chlorine Nozzle in 14" Chlorinator
(J) - Line Firing Hood of Dryer
(K) - Install Lining in Dust Collector on Experimental Unit
Install Brickwork in Experimental Chlorinator Collector Shell

9041 - U. S. Lime Products Corporation
Henderson, Nevada - Repair Lining in Dust Collector
(A) - Repair #3 Rotary Kiln
(B) - Repair #2 Rotary Lime Kiln
(C) - Repair Ball Mill Lining

(contd.)

NEVADA
(contd.)

9045 - American Potash & Chemical Corporation
Henderson, Nevada - Repair Linings in
Rotary Kiln

1957 9177 - United States Lime Products Corporation
Henderson, Nevada - Labor Only to Repair Corbel
in #1 Rotary Kiln
(A) - Labor and Material to Install Burrstone
Lining in Ball Mill

9183
- Guy F. Atkinson Company
Titanium Metals Corporation - Henderson, Nevada
Labor Only to Install Linings in 14 Reduction Furn.

9210 - Whiting Company - Henderson, Nevada
Install Linings in One (1) Oil and One (1)
Gravel Heaters

9388 - J. H. Pomeroy & Co., Inc.
U. S. Lime Products Corporation - Apex, Nevada
Install Linings in Two (2) New Rotary Lime Kilns;
Firing Hoods; Dust Chambers, Preheaters; Stacks;
and Lime Coolers

1958 9556 - United States Lime Products Corporation
Henderson, Nevada - Repair Ball Mill Lining

9623 - U. S. Lime Products Corporation
Henderson, Nevada - Repair Dust Collector
#1 Kiln
(A) - Repairs to Shim 65' of #1 Kiln Lining & #1
Preheater Chamber
(B)
9740 - Southwestern Engineering Co. - Pioche, Nevada
Labor Only to Install Lining in Rotary Kiln
(A) - Labor & Material to Line Hood & Exhaust flue

9809 - U. S. Lime Products Corporation
Henderson, Nevada - Repair Ball Mill

1959 9887 - Southwestern Engineering Co. - Pioche, Nevada
Repair Kiln Lining
(A) - Repair Nose in Kiln
(B) - Rental of Two Rammers

NO. 601-11R U.S.A.

NEVADA
(contd.)

9908 - Desert Inn Hotel - Las Vegas, Nevada
Repair Combustion Chamber in Steam Room
(A) - Repair Steam Tub in Ladies Steam Room

9911 - Thorpe Insulation Company - Court House
Las Vegas, Nevada - Line Flue

9912 - U. S. Lime Products Corporation
Division of Flintkote Company, Apex, Nevada
Line Dust Hopper; Shim #1 Kiln and other
Miscellaneous Repairs

9939 - U. S. Lime Products Corporation
Div. of Flintkote Company, Henderson, Nevada
Repair One Ball Mill

1002 - Southwestern Engineering Co.
Pioche, Nevada - Reline approx. 25 feet of Rotary
Kiln and Install New Throats at Kiln End
(A) - Reline Nose Section of Rotary Kiln

1043 - United States Lime Products Corporation
Apex, Nevada - Repairs to #26 Heater

1960 1283 - Keystone Fabricating Company
Stauffer Chemical Co. - Henderson, Nevada
Lining for Caustic Pot

1525 - American Potash & Chemical Corporation
Henderson, Nevada
Furnish labor to Ream out Burner in Experimental
Furnace.

1527 - U. S. Lime Products Company - Henderson, Nevada
Repairs to Ball Mill Furnace

1961 2185 - Stauffer Chemical Co - Henderson, Nevada
Labor & material to install acid proof linings in
Vessels S-24 and R-23

1962 2288 - Great Lakes Carbon Corp - Basalt, Nevada
Design and Construct Air Heater

(A) - Spare Parts Components

NEVADA (Contd)

1962 (Contd)

2503 - **Stauffer Chemical Co**
Henderson, Nevada
Linings for Five (5) Chlorine Towers
(A) - Lining for One (1) Vessel R-23

1963

2581 - Montrose Chemical Corp
Stauffer Chemical Co
Henderson, Nevada
Install Acidproof materials in One (1)
Azeo Column

2839 - Henderson, Nevada
(Work done at our Wilmington Warehouse)
Lining for H.C.L. Column Imidan Plant

1964

3064 - Mercury, Nevada
University of California
Lawrence Radiation Laboratory
Line furnace pipe

1965

3390 Fishlake Valley, (near Tonopah) Nevada
KOLLSMAN MINERAL + CHEMICAL Co
Install refractory lining in 10-hearth
Nichols Herrshof furnace

3414 STAUFFER CHEMICAL CO
Henderson
Install acidproof lining in 2 liquefaction #2
chlorine drying columns

3584 Stauffer Chemical Co.
Henderson, Nevada
Rebrick vessel #R23

3682 STAUFFER CHEMICAL COMPANY
Henderson
Rebrick R-23 Vessel at Grano Steel, Los Angeles

1966 NEVADA

3891 KOLLSMAN MINERAL
Fish Lake, Nevada
Repair wall of Nichols Roaster

1968

5045 THOMPSON TANK MFG° CO
Los Angeles
STAUFFER CHEMICAL CO
Henderson, Nevada
Install acid proof lining in vessel.

5150 FLINTKOTE CO
U S LIME DIVN
Arro Lime, Nevada
Refractory lining for new lime kiln.

5521 OWL CONSTRUCTORS
Compton
STAUFFER CHEMICAL CO
Henderson, Nevada
Install acid materials in Thiol expansion
A Install acid brick lining in manhole
B Install Pennsalt flex joint in expansion joints of concrete
C Install #360 pump base topping at north + south blast structure
D Premium time for Sat. work.
E Labor for delays in work due to dangerous fumes and fire hazard.

5703 U S Lime (Apex Plant)
Arrolime, Nevada
Furnish bricklaysers to line 10ft of rotary kiln

5901 State Stove and Mfg. Co.
Henderson, Nevada
Acid brick lining for 4 tanks and adjacent floors and gutters.

NEVADA

1970

6277 Henderson
STAUFFER CHEMICAL CO
Matl only for combustion
engineering boiler type
27VP-14 WR

6335 SCOTT RIGGING CO
Henderson
TITANIUM METALS CO
Henderson
Design and supply on
launder heater unit

1971 6567 SCOTT RIGGING CO
Henderson
Supply and design one Launder Heater
unit and furnish misc. N. Amer. Parts.

1972 7040 DIFFENBAUGH CO/U S LIME CO.
Apes, Nevada
Fabricate Elbows

1973 7693 The Flintkote Company
U. S. Lime Division
Henderson, Nevada
Repairs to Rotary Kiln Lime

1975 8997 STAUFFER CHEMICAL-Henderson
Point up Joints on Vessel S-24

"A" Repairs to Waste Gas Incinerator

9015 STAUFFER CHEMICAL-Henderson
Install Acid Proof Lining in 2
Sewer Manholes

1976 9156 DRAVO CORP/CHEMICAL PLANT DIV
of STAUFFER CHEMICAL CO
Henderson, Nev
Furnish & Install Acidbrick Lining in
Chlorine Plant Expansion.

9166 STAUFFER CHEMICAL CO-Henderson
Furnish & Install Acidbrick Lining in
New Vessel S-24

NEVADA

9411	Stauffer Chemical - Henderson Refractory Repairs to Waste Gas Incinerator.	8/76
9549	Clark County Sanitation District Las Vegas, Nev. - Inspect 18'-9" x 7' Hearth Sludge Furnace	11/76
9881 "A"	Stauffer Chemical - Henderson Install Test Brick & Test Mortars in Vessel S-24 Repairs to Waste Gas Incinerator	7/77
10060	JT Thorpe & Son/Sierra Timber Gardnerville - Boiler Repair	11/77
10081	Maecon Inc - Hawthorne Design & Construct Walking Beam Flashing Furnace	11/77
10082	Maecon Inc - Hawthorne Design & Construct 2 Rotary Thermal Oxidizer Systems	11/77
10583	U S Lime - Apex, Nevada Install Refractory Lining in Discharge End of Lime Kiln	10/78

NEW JERSEY

3748	Foster Wheeler Corp. (Livingston) Arozona chemcopper Bagdad, Arizona. Install acidproof materials in leach tanks and reduction storage tanks.	1965
3994	Foster Wheeler Corporation (Livingston, N.J.) Mobil Oil Co. Torrance Co Boiler setting	1966
6375	Continental Can Co. (Passaic, NJ) Design and contruct 9000 scfm fume incinerator, Plant 30- Incinerator and Components	
"A"	Field installation	1970
6393	Foster Wheeler Corp (Livingston, NJ) PSF Insustries, Seattle, Wash. Arco Refinery, Cherry Point, Wash. Stack lining.	
6720	Continental Can Co. Patterson, N.J. Design and Construct two 10,000 SCFM Incinerators	
"A"	Installation of Components	
7170	Continental Can Company Patterson, N.J. Design and Construct two Fume Incinerators	4/72

N E W M E X I C O

1933

2602 - C. C. Moore & Co. Engineers
U. S Potash Company - Carlsbad, New Mexico
Two (2) Class Vlll #23 Stirling Boilers

1934

2728 - C. C. Moore & Co. Engineers
U. S. Potash Company - Loving, New Mexico
One (1) Class Vlll #23 Stirling Boiler

2787 - C. C. Moore & Co. Engineers
U. S. Potash Company - Loving, New Mexico
(I) One Class Vlll #23 Stirling Boiler

1940

3550 - C. C. Moore & Co. Engineers
U. S. Potash Company - Carlsbad, New Mexico
Class Vlll #23 Stirling Boiler

1942

3812 - Western Precipitation Corp. - Carlsbad, New Mex.
Four (4) Spray Dryer Furnaces

1944

4455 - C. C. Moore & Co. Engineers
U. S. Potash Company - Carlsbad, New Mexico
Stirling Boiler #6 - Brickwork Setting

1945

4717 - C. C. Moore & Co. Engineers
U. S. Potash Company - Loving, New Mexico
Insulation Work

1948

6268 - The Babcock & Wilcox Company
Stone & Webster Engineering Corporation
for El Paso Electric Company, - Las Cruces,
New Mexico - Setting for One (1) F-25-AG-20 - 16
Integral Furaace Boiler

1949

6569 - C. C. Moore & Co. Engineers
U. S. Potash Company - Loving, New Mexico
Refractory Setting for one (1) Single Class Vlll
No. 23 B. & W. Stirling Boiler and Detrick Flat
Suspended Arch

1950

6994 - The Ralph M. Parsons Company
Malco Refineries, Inc. - Roswell, New Mexico
Labor Only to Install Refractories and Insul.
on One (1) Fired Heater

NEW MEXICO

1952

7647 - Great Lakes Carbon Corporation
Socorro, New Mexico
Construct 10 million B.t.u. Air Heater

1953

7808 - Combustion Engineering - Superheater, Inc.
Anaconda Copper Mining Co. - Grants, New Mexico
Setting for One (1) CE-S Boiler
Extra - Install Chrome Ore on Front Header

7837 - Anaconda Copper Mining Company
Grants, New Mexico - Install Refractories
on One (1) Fusion Furnace and Crucible

8045 - Great Lakes Carbon Corporation
Socorro, New Mexico - Reline Air Heater

1955

8418 - United States Potash Company - Carlsbad,
New Mexico - Labor Only - Brickwork Repairs,
#1 Boiler

1955 8626 - C. C. Moore & Co. Engineers
United States Potash Company - Carlsbad,
New Mexico - Refractories and Insulation for
One (1) B&W Class 250 No. 24 Stirling Boiler

1956 9066 - The Babcock & Wilcox Company
El Paso Electric Company, Las Cruces, New Mexico
Install Refractory Setting for One (1) Two-drum
20'-0" wide, Pressure Furnace, Natural Gas and
Oil Fired B&W Boiler

1958 9519 - Babcock & Wilcox Company
El Paso Electric Company, Rio Grande Station,
Las Cruces, New Mexico
Refractory Setting for One (1) B&W Radiant Boiler
Pressure Type

1959 9736 - Ref-Chemical Co -- El Paso Natural Gas Products
Monument, New Mexico - Repair Henry Vogt Boiler
damaged by explosion.

1960 1359 - Southwest Welding & Mfg Co
Sandia Corp - Albuquerque, New Mexico
Labor & material to install Pebble Air Heater Linin

NEW MEXICO (Cont'd)

1961

2108 - C F Braun & Co
Climax Chemical Company - Hobbs, New Mexico
Install Pre-stressed Acidproof Lining

1963

2814 - Ebasco Services, Inc
Four Corners Plant - Farmington, New Mexico
Refractory Setting for Foster-Wheeler Boiler

2877 - American Gypsum Company
Albuquerque, New Mexico
Refractory Lining for Two (2) Gypsum Calcining Kettles

1965

3763 ARIZONA PUBLIC SERVICE CO.
Farmington
Refractory repairs, foster-wheeler boiler #3

1975

8682 Ralph M Parsons/Northern Natural Gas Co
Hobbs, New Mexico
Design & supply 1 Thermal Oxidizer

9538 Phelps Dodge Corp - Hidalgo 11/76
Install New Roof on Electric Slag Furnace

9836 Phelps Dodge Corp - Hidalgo 6/77
Labor Only, Re fractors Repairs to Flash Smelter & Electric Furnace Slag

"A" Furnish Refractory Anchor System 1/78

NEW MEXICO

13500 PHELPS DODGE
Hidalgo N. Mexico
Rebrick Outokumpu Smelter

6/84

NEW YORK

1970

6247 TIOGA FOUNDRY CORP
Owego
Supply panel for cupola
dust control

OHIO

1972

7282 ARTHUR G. McKEE & COMPANY
Independence, Ohio
MOBIL OIL COMPANY
Ferndale, Washington

7/20 Refractory linings reformer reactors
A-Dryout of ~~kings~~ linings 7/26/72

10543 Dayton-Walker Corp - Dayton 9/78
Supply Cupola Afterburner
Combustion System & Flame
Supervision Panel

11580 STANDARD OIL OF OHIO 5/80
Oregon, Ohio
Furnish new burner for Thermal CRT
Oxidizer on JTT Job 8343

OKLAHOMA

1957	9451	Ralph M Parsons Co. Callery Chemical Co.-Muskogee, Okla Supply Design and Materials for 2 Waste Gas Incinerators
	"A"	Spare Parts for Combustion Unit pumps.
1970	8699	Home-Stake Production Co Limestone Div - Tulsa, Okla (Near Sahuarita, Ariz) Labor to install refractories, lime kiln, firing hood and dust chamber.
1971	6887	J T Thorpe Co (Houston) Pan Handle Eastern Pipeline Aledo, Oklahoma Repair Waste Gas Incinerator
	"A"	Engineering Services
1973	7768	Ortloff Constr. Co. Arapaho, Oklahoma 170' Exhaust Stack
	7850	Ortloff Construction Co Arkansas-Louisiana Gas Co. Arapaho, Oklahoma Design and Supply Waste Gas Incinerator
	"A"	Start-up
1974	8548	Great Lakes Carbon Enid, Oklahoma Water Cooled Damper for #3 Unit
1977	9707	Enid, Oklahoma GREAT LAKES CARBON Furnish 1 Water Cooled Damper Frame
1977	9739	Enid, Okla KAISER ALUMINUM & Chemical Design & Construct 15,000# Remelt Furnace
	9960	Tulsa - Kaiser Aluminum & Chemical Design & Construct One 20,000# Homogenizing Furnace

OKLAHOMA

10065	GreatLakes Carbon – Enid #3 Kiln – Furnish Water Cooled Damper	11/77

OREGON

3672	Bechtel-McCone-Parsons Corporation Portland Gas and Coke Company Portland, Oregon Reboiler Furnace	/41
6128	Southwestern Engineering Company Shell Oil Company Willbridge, Oregon Asphalt Heater	/47
3044	Harvey Aluminum, Inc. - The Dalles, Oregon Design and Supply Combustion System for EC Rod Furnaces	/64
7593	Continental Can Company Portland, Oregon Spare Parts	3/73
10324	**Beam McCormack & Atwood** **Albany, Oregon** **Design & Construct Hood Type Oxidizing Furnace**	**4/78**
11440	HANNAN BROS CONTRAXCTORS PORTLAND Pour four rectangular slab areas 4" thick in foundry concrete floor	2/80 CRS

OREGON

11440 HANNAN BROS CONTRACTORS 2/80
Portland, Oregon CRS
Pour four rectangular slab areas
4" thick in foundry concrete floor

~~11688 STANDARD OIL OF OHIO 5/80~~

PENNSYLVANIA

1952

7455 - The Ralph M. Parsons Company
Sinclair Refining Company - Marcus Hook, Pennsylvania - To Erect One (1) Waste Gas Incinerator

1954

8203 - The Ralph M. Parsons Company
Gulf Oil Corporation - Philadelphia, Pennsylvania
Construct One Waste Gas Incinerator

1955

8336 - The Ralph M. Parsons Company
Gulf Oil Corporation - Philadelphia, Pa.
Sulfur Plant Brickwork

8430 - The Ralph M. Parsons Company
Sun Oil Company - Marcus Hook, Pennsylvania
Waste Gas Incinerator - Design & Materials Only

8465 - The Ralph M. Parsons Company
Sinclair Oil Company-Marcus Hook, Pennsylvania
Waste Gas Incinerator
Materials and Engineering

1965

3772 **STRUTHERS WELLS CORPORATION (Warren, Pa.)**
C. F. Braun & Co.
Collier Chemical Co.
Brea) NOT OUT OF STATE
Install refractory lining in one steam generator.

1967

4413 ERIE CITY IRON WORKS (Erie, Pa)
MOBIL OIL CO
Torrance) NOT OUT OF STATE
Modify superheater protection baffle

1969

5691 LANCASTER MALLEABLE CASTINGS CO
Lancaster, Pennsylvania
Furnish prewired panel for flame safety operation.

6623

1971 ABEX CORPORATION (Meadowlands, Pa)
Supply Comb and Flame Safety Equipment for
Cupola Afterburner

TENNESSEE

6332 Industrial Contractors Inc., Idaho Falls, Idaho
ARNOLD ENGINEERING DEVELOPMENT CENTER
ARNOLD AIR FORCE STATION
TULLAHOMA, TENNESEE
Remove and Re-install pebbles and refractory lining in pebble air heater. 1970

6666 Wheland foundry
Chattanooga, Tennessee
Burner and Flame Safety for Cupola Afterburner. 1971

8453 ARO Inc., Mat's Division of
Arnold AF Station, Tenn. 8/74
Pebble Heater Inspection

8673 Arnold Engineering & Development 1/75
US AF - Tullahoma, Tenn.
Supply & install refractory mat'l in Pebble Air Heater.

10429 Apros/Alcoa - Tennessee 7/78
Design, Furnish & Install Refractory Lining in Delacquering System.

T E X A S

(Also see Houston Office job book)

1933

2601 - C. F. Braun & Co.
Magnolia Petroleum Corp. - Hodge, Texas
Insulation

2672 - Coltex Refining Company - Colorado, Texas
One (1) Pressure Still

1934

2750 - The Lummus Company
Taylor Refining Company - Tyler, Texas
San Joaquin Burners

1937

3090 - Emsco Derrick & EQuipment Company
D&B Pump & Supply Company - Dallas, Texas
Material for Rod Heating Furnace

1939

3392 - Southwestern Engineering Company - Laredo, Texas
Two (2) Crude Oil Stills--Material

3397 - Col-Tex Refining Company - Coloardo, Texas
One (1) Cracking Furnace

1940

3474 - Southwestern Engineering Company - Laredo, Texas
Refractories and Insulation Material for Two (2) Oil Heaters, Stack, and Breeching.

3499 - Southwestern Engineering Company - Laredo, Texas
Refractories and Insulation -
One (1) Oil Heater for F2 Tower

1941

3603 - C. F. Braun & Co.
Shell Oil Company - Houston, Texas
Three (3) Acetone Furnaces

3615 - Foster-Wheeler Corporation
Shell Development Company - Deer Park, Texas
Two (2) Foster-Wheeler Oil Heaters

3633 - Hunt, Mirk & Company
Shell Oil Company - Deer Park, Texas
Two (2) 750 h.p. Kidwell Boilers

3636 - C. F. Braun & Co.
Shell Oil Company - Houston, Texas
Acid Brickwork

3703 - C. F. Braun & Co.
Shell Oil Company - Deer Park, Texas
Fire Wall in Pipe Trench

(contd.)

NO. 801-11 R ... U.S.A.

TEXAS
(contd.)

1942

3759 - C. F. Braun & Co.
Humble Oil & Refining Co. - Baytown, Texas
Fired Heater Material (Detrick Order)

3813 - Robert L. Johnson Company
The Fluor Corporation, Ltd.
Superior Oil Company - Conroe, Texas (Mostyn Sta.)
Three (3) Single 23VM 17.00 C-E Boilers

3874 - (Cancelled)
Robert L. Johnson Company
The Fluor Corporation, Ltd.
Superior Oil Company - Moystyn Station, Texas
Three (3) Single 23VM 17.00 C-E Bent Tube Blrs.

1944

T-4317 - See T-503
The Texas Company - Houston, Texas
Rebricking Two (2) Kroeschell Boilers in Battery

T-4381 - See T-504
The Superior Oil Company - Pinehurst, Texas
Lake Creek Recycling Plant
To "Aertite" C. E. Boiler Settings

T-4440 - See T-505
Shell Oil Company, Inc. - Deer Park, Texas
Refinery - Chemical Division
Acid Brick Lining - One (1) Rectangular Tank

T-4450 - See T-508
Kinzbach Tool Company - Houston, Texas
Relining One (1) Carburizing Pot #73
Relining One (1) High Speed Furnace #71

T-4458 - See T-509
Diamond Iron Works, Inc. & the Mahr Mfg. Co. Div.
Hughes Tool Co., Aircraft Strut Division -
Houston, Texas - Brickwork and Insulation -
Two (2) Mahr Air Draw Furnaces
Two (2) Mahr Hardening Furnaces

T-4468 - See T-510
Shell Chemical Company, Inc. - Houston, Texas
Refinery - Chemical Division
Repairs to No. 3 DMK

(contd.)

1945

T-4822 - See T-511
Superior Oil Company - Conroe, Texas
Lake Creek Recycling Plant
Boiler Covering Repairs

T-4823 - See T-512
Dickson Gun Plant - Houston, Texas
Hughes Tool Company, Operator
Reline Two (2) Furnace Cars on Mahr Car Type
Normalizing Furnace #5 in Casting Shop

T-5048 - See T-514
Jefferson Lake Sulphur Company, Inc.
Long Point, Texas
One (1) Class H-IV #28 B. & W. Boiler Enclosure

T-5065 - See T-515
Brown Shipbuilding Company, Inc. - Houston, Texas
Boiler Settings

T-5273 - See T-516
Tin Processing Corporation - Texas City, Texas
Boiler Enclosures for Two (2) Combustion Engineering Company Boilers

T-5282 - See T-517
Kinzbach Tool Company, Inc. - Houston, Texas
To Reline One (1) Carburizing Pot Furnace and
to Brick up One (1) Welding Platform

1947

6008 - Standard Oil COmpany of Texas - El Paso, Texas
Detrick End Walls--1930 Pressure Stills
(A) - To remove and to Rebuild Furnace Floor
(B) - To Remove and to Rebuild Two (2) Bridge Walls
(C) - To Remove and to Rebuild Corner Columns
(D) - To Renew Insulation on End Tube Sheet and Corner Column

6228 - C. F. Braun & Co.
Stanolind Gas & Oil Company
Slaughter Field, Coble, Texas
Two (2) 15 x 20 x 30 Fired Heaters--Material Only
(A) - Two (2) Fired Heaters--Labor Only

6261 - C. F. Braun & Co.
Stearns-Rogers Manufacturing Co.
Humble Oil & Refining Company
Katy (Johnsue), Texas
Three (3) 15 x 15 x 40 Fired Heaters--Material Only

(contd.)

TEXAS
(contd.)

1949

6607 - C. F. Braun & Co.
Stearns Rogers Manufacturing Co.
Stanolind Oil & Gas Co. - Odessa, Texas
12 x 15 x 30 Fired Heater--Material Only

6627 - Southern Pacific Company - El Paso, Texas
To Rebrick Two (2) 278 h.p. Battery Set,
Water Tube Stirling Boilers

1952

7414 - The Fluor Corporation, Ltd.
Stanolind Oil & Gas Company - Levelland, Texas
Sulphur Plant - Enclosures for: One (1) F-1
Reactor Furnace and One (1) V-2 Converter

7669 - Standard Oil Company of Texas
El Paso, Texas
1930 Pressure Still Repairs
(A) - Misc. Brickwork Repairs & Install Insulation on
Tube Sheets and Header Boxes

1953

7815 - Standard Oil Company of Texas - El Paso, Texas
Refractory Lining for Smoke Burner and Air
Heater

1954

8149 - The Ralph M. Parsons Company
Sinclair Refining Company - Houston, Texas
Waste Gas Incinerator (H.O. Job No. 928)

1955

8579 - J. T. Thorpe Company
The Fluor Corporation, Ltd.
Texas Butadiene & Chemical Co., Houston Texas
Refractory and Insulation Linings for Seven (7)
Butadiene Reactors
Engineering & Detrick Sale - L. A. Office

1956

8880 - Phelps-Dodge Refining Corporation, El Paso, Texas
Labor Only to Install Detrick Arch on
No. 3 Wire Bar Furnace
(A) - Install Solid Brk. Uptake Walls in #3 Wire Bar
Extra - Premium Time

1956 8941 - The Ralph M. Parsons Company
Gulf Oil Corporation - Port Arthur, Texas
Labor and Material to Construct Waste Gas
Incinerator

1958 9569 - J T Thorpe Company
The Fluor Corporation
Texas Butadiene & Chemical Co
Odessa, Texas - Engr. & Expense
Butadiene Reactor Repairs

1959 9884 - Southwestern Portland Cement - Odessa, Texas
Refractory materials for firing Hood Fuller Cooler & Dust Hood Kiln #1.

1960 1343 - See C. F. Braun & Co.
Humble Oil & Refining Co
Baytown, Texas
Three (3) Reform Reactor Linings

1962 2209 - J T Thorpe Company
Fluor Corporation - Tilden, Texas
Design and Construct Hot Gas Bypass Valve

1963 2571 - Southwestern Portland Cement Co
Amarillo, Texas
Materials for One (1) Firing Hood and One (1) Fuller Cooler

2616 - May, Inc
Houston, Texas
Design and Construct 50,000# Homogenizing Furnace

1965

3557 J T THORPE CO. (HOUSTON
BEAUMONT WELL WORKS
Houston, Texas
Engineering for forge furnaces for Beaumont Well Works and furnishing two MSA Detrick arches.

1965 (continued)

3560 - J T Thorpe Co.
Ralph M. Parsons Co.
Phosphate Chemicals, Inc.
Pasadena, Texas
Sulphuric acid plant - furnish and install acid proof refractories.

1966
4085 J T THORPE CO (Houston, Texas)
C F BRAUN & CO (Alhambra)
AMER POTASH & CHEM CO
Hamilton, Mississippi
Lining for one chlorinator, one sand separator, one spray cooler, two acid mix tanks, one acid sump

1967
4560 FOSTER WHEELER CORP (Houston, Texas)
MOBIL OIL CO
Torrance
Labor and material to repair tile in furn and install refractory in co plenum and nec rep on water wall above combustor

4678 STANDARD OIL CO OF TEXAS
SOUTHWEST WELDING
El Paso, Texas
Labor to tear out and install refractory materials in cat cracker turnaround

4679 STANDARD OIL CO OF TEXAS
El Paso
Labor to repair refractory linings in reactor and misc equipment

4810 C F BRAUN + CO
NATIONAL PETROCHEMICAL CORP°
Houston, Texas
Construct activator jacket

TEXAS CONT'D

5008 J T THORPE CO (Houston)
RALPH M PARSONS CO
HOUSTON CHEMICAL CO
BEAUMONT ± TEXAS
Construct one lead reverberatory furn.

5956 J T Thorpe and Co. Houston
Standard Steel Pasadena, Texas
Brown and Root
Furnace Lining

1970 6151 ABEX CORP
(Railroad Products Group)
Houston
Supply combustion and flame safety equip

6269 COLLIER CARBON + CHEM CORP
POCO GRAPHITE CO
Decatur
Flue system + afterburner for carbon baking furnace.

6388 FISH ENGINEERING (HOUSTON)
J T THORPE COMPANY (HOUSTON)
Panhandle Eastern Co., Kansas City, Mo.
Design Fume Incinerator

6525 FLUOR CORP. (HOUSTON)
Arco, Carson, Calif.
Install refractory lining Foster-Wheeler Heater.
'A' Unload and store materials

1971 6568 J T THORPE CO (HOUSTON)
SHELL OIL CO (HOUSTON)
Tail Gas Incinerator - Grid Burner

TEXAS (Continued)

6737	J T THORPE CO FLUOR CORP (LOS ANGELES) MOBIL OIL CORP (BEAUMONT) Refractory Lining for New FCC Unit	6/71
6846	Great Lakes Carbon Corp. Port Arthur, Texas Water Cooled Stack Breeching Damper	
7189	J T THORPE COMPANY Great Lakes Carbon Corporation Port Arthur, Texas Engineering and Materials for Detrick Arch and Walls for #3 Calciner	7/72
7311	Humble Oil and Refining Company Baytown, Texas Design and fabricate Z Waste Gas Incinerators	8/72
7365	Great Lakes Carbon Port ARthur, Texas Water colled damper, #3 Calcining Unit	10/72
8811	Great Lakes Carbon Port Arthur Texas Design & supply water cooled damper for #2 Kiln.	5/75
9447	Oil City Iron Works Inc Supply Combustion & Flame Safety Sys for One Cupola Two-Burner System.	9/76
9468	Exxon Co - USA - Baytown, Tx Furnish Auxiliary Burner	10/76
9593	J T Thorpe Co/CF Braun/Mobil Oil Beaumont, Texas - FCC Expander Turbine Facilities	1/77

9900 **Great Lakes Carbon - Port Arthur** **7/77**
Design & Construct Settling Chamber
Incinerator & Stack #5 Coke Calcining Unit

10981 PATHWAY BELLOWS INC/C F BRAUN & CO
PHILLIPS PETROLEUM CO - Sweeny Texas 6/79
El Cajon - Install refractory lining in ex-
pansion joints

11308 AMEXSCO - Dallas, Texas 12/79
Supply dil combustion system and
flame supervision panel for rotary lead
melting ~~x~~ furnace RPA

11377 J T THORPE COMPANY 1/80
Houston, Texas
Pick-up and ship dense alunaum brick
for Texaco generator

11435 J T THORPE COMPANY
GREAT LAKES CARBON 2/80
Port Arthur, Texas HWB
Detrick arch for ~~xxxxxx~~ chamber
settling

11638 J T THORPE COMPANY/ TEXAS
PUP INC - Houston, Texas 6/80
Design and construct normalizing
furnace WRS

13582 C E LUMMUS 8/84
AIRCO-SEADRIFT TX
Furnish and Install two water cooled dampers
for coke calcining incinerator

U T A H

1929

2363 - Union Pacific System - Milford, Utah
Two (2) 214 h.p. Stirling Boilers--Brickwork

1948

6318 - Bechtel Corporation
Standard Oil Company - Salt Lake City, Utah -
Refinery - #11 Battery - Crude Unit #1
Brickwork of One (1) Furnace
(A) - Floor in Stack of Crude Unit
(B) - Premium Time

6387 - Bechtel Corporation
Standard Oil Company of Calif.
Salt Lake City, Utah - Refinery
Boiler and Furnace Enclosure for Two (2) FF15
No. 44 B. & W. Boilers
(A) - Premium Time
(B) - To Install Brick Flooring in Boiler Stack

1949

6781 - Bechtel Corporation
Salt Lake Refining Company - Salt Lake City, Utah
Houdriflow Unit HF-2 - Kiln-Reactor Lining
(A) - Petro-Chem Heater Brickwork
(B) - Peabody Air Heater Brickwork
(C) - Born Heater--Brickwork and Insulation

1950

7027 - Filtrol Corporation - Salt Lake City, Utah
Salt Lake City Plant - To Construct Two (2)
Pellet Dryer Combustion Chambers
(A) - To Construct Two (2) Calcining Units

1952

7756 - Stauffer Chemical Co. of Utah - Garfield, Utah
To Install Refractory Construction for Two (2)
8'-0" x 60'-0" Ammo-Phosphate Dryer Furnaces

1953

7774 - Stauffer Chemical Co. of Utah - Garfield, Utah
Phosphate Plant - To Install Acid-proof Brick
Lining for One (1) 41" x 10'-0" Pug Mill; and
One (1) 6'-9¼" x 16'-6" Scrubbing Tower
(A) - Acid Lining in Two "A" Mixers

7800 - J. T. Thorpe & Son, Inc.
Bechtel Corporation
Salt Lake Refining Company - Salt Lake City, Utah
To Extend Kiln Lining

NO. 801-11 R IP MFG U.S.A.

U T A H
(contd)

1953(Contd)

7811 - Combustion Engineering, Inc.
Stauffer Chemical Co. of Utah for
Western Phosphates Co., Inc. - Garfield, Utah
Enclosure for One (1) Steel-encased CE-S Inc.
type 7.5 (VU-10) 16B Boiler

1955

8354 - The Fluor Corporation, Ltd.
Salt Lake Refining Company - Salt Lake City, Utah
Monolithic Linings for Regenerator and Reactor -
F.F.C. Unit

1963

2677 - Clyde Berg & Associates

Thermodynamics Corporation

Salt Lake City, Utah (Helper)

Supply & Construct One (1) Vertical

Char Retort

1964

3256 Thermal Dynamics Corp.
Helper, Utah

Design and construct conveyor retort

burners

1966

4053 RALPH M. PARSONS CO.
Kennecott Copper Co.
Magna, Utah
Install acidproof lining in sulphuric acid plant

4187 MARQUARDT CORP
Ogden, Utah
Design and supply pebble air heater

1967 4391 CHICAGO BRIDGE & IRON CO (Salt Lake City)
SHELL OIL CO
Anacortes, Wn
Refractory labor on cat cracker turnaround

rom of acid tank

4765 CHICAGO BRIDGE AND IRON CO. 1968
SALT LAKE CITY , UTAH
Texaco Inc., Wilmington, Ca.
Install new refractory lining in upper section and plenum of FCCU regenerator.

6288 RALPH M. PARSONS CO., L.A. 1970
NATIONAL LEAD CO, SALT LAKE CITY
Furnish materials and labor to install refractories in magnesium pilot plant

6252 STAUFFER CHEMICAL, SALT LAKE CITY
(Leefe, Wyoming)
Design and supply hot air furnace

6913 RALPH M PARSONS, L.A.
National Lead Ind., Rowley
Design and construct gas fired lauder heaters

6934 RALM M PARSONS, L.A.
National Lead Co, Salt Lake City
Design and supply comb. system for 5 magnesium pot furnaces

7010 NL INDUSTRIES, INC. 1972
Rowley, Utah
(Ralph M. Parsons, Agent)
Design and Supply Melt Cell Burner System

7051 NL INDUSTRIES, INC. 1972
Rowley, Utah
Design and supply 20 Cell Preheat Burner Systems

UTAH (Continued)

7080	NL INDUSTRIES, INC. Rowley, Utah Design and Supply 6 Cell Preheat Burner Systems	1972
7100	CHICAGO BRIDGE + IRON WORKS American Oil Co. Salt Lake City, Utah Regenerator Lining	1972
7224	NL INDUSTRIES Rowley, Utah Design and construct one Launder Heater	6/72
7416	AMERICAN OIL COMPANY Salt Lake City, Utah Remove cover coat of refractory in certain areas of 54" flue gas line and remove and replace defective HL41	11/72
"A"	Labor and material to case harden the existing refractory in the bend section and tee of the 54" flue gas line.	
7512	NL INDUSTRIES Salt Lake City, Utah furnish one launder heater	1/73
7828	NL INDUSTRIES Rowley, Utah furnish 6 launder heaters	8/73
7840	NL INDUSTRIES Rowley, Utah fabricate one damper assembly	8/73

UTAH

8692	N L Industries Rowley, Utah Furnish 1 damper assembly	2/75
8895	N L Industries Rowley, Utah Furnish Damper Assembly	7/75
8926	Jelco Inc Salt Lake City Furnish & Install Refr. Lining in KTI Heater	8/75
9169	Calif Steel Tank Co/AMOCO Oil Co Salt Lake City Repairs to FCC Unit	2/76
"A"	Repairs to FCC Unit	
9426	Chevron Oil - Salt Lake City Refractory Repairs FCC Regenerator	9/76
10548	Arthur G. McKee/Kennecott Copper Magna, Utah Install Refractory Lining in 3 Hot Metal Torpedo Cars	9/78
11149	KENNECOTT COPPE$R CORP Magna Install refractotry lining in one torpedo transfer car	9/79

V I R G I N I A

1957

9105 - The Fluor Corporation, Ltd.
American Oil Company - Yorktown, Virginia
Waste Gas Incinerator
Design and Furnish Material

9127 - The Fluor Corporation, Ltd.
American Oil Co. - Yorktown, Virginia
Hot-Gas Bypass Valve

1964

3235 American Oil Co.
Yorktown, lVirginia
Supply one hot gas by-pass valve

1980

11454 RICHARD IRON FOUNDRY 3/80
Norfolk, VA
Furnish burner system and control panel for cupola afterburner system RPA

11836 AMOCO OIL CO. SS
Yorktown, VA
Supply one hot gas bypass valve

WASHINGTON

1955

8484 J T THORPE
SOUTHWESTERN ENGINEERING CO
TIDEWATER TERMINAL CO
Pasco, Wn
Engineering only for one portable asphalt heater

1966

3931 EARLE M JORGENSEN CO
Isaacson Steel Div
Seattle, Wn
Design and construct two 10'0" x 21'0" can botton forge furnaces

4226 THE AUSTIN COMPANY (Des Plaines, Ill)
KAWECKI CHEM CO
Wenatchee, Wn
Design and construct 3 aluminum melting furnaces

1967

4391 CHICAGO BRIDGE & IRON CO (Salt Lake City)
SHELL OIL CO
Anacortes, Wn
Refractory labor on cat cracker turnaround

4425 E M JORGENSEN CO
Seattle, Wn
Design and construct car botton heat treating furnace

4427 E M JORGENSEN CO
Seattle, Wn
Design and supply combustion components for dual fuel burner systems

WASHINGTON (Continued)

1967 (Continued)

4476 E M JORGENSEN CO
Seattle, Wn
Design and construct two car bottom
13 ft wide forging furnaces

4530 KAWECKI CHEM CO
Wenatchee, Wn
Misc repairs to furnaces

4751 E M JORGENSEN CO
Seattle, Wn
Supply North American combustion
equipment for #4A furnace

4888 REY:NOLDS METALS CO
Long view, Wash.
Labor and Material to construct
three 60, 000# alum. holding furnaces.

4900 Bechtel Corp. (San Fran.)
Reynolds Metals
Longview, Wash.
Labor only to install refractories
in six 90, 000# holding furn.

1968

4957 E.M. JORGENSEN CO
Seattle, Wash.
Labor and material to install Detrick curtain
wall in #24 Thorpe car bottom forge furnace/

4982 E° M° JORGENSEN CO
Seattle, Wash.
Design and construct one car bottom
13 ft wide forging furn. (EMJ #15 furn.)

~~5078 BECHTEL CORP~~
~~REYNOLDS METALS~~
~~Longview, Wash.~~

WASHINGTON Continued

5078 BECHTEL CORP
Reynolds Metals
Longview, Wash.
Install castable onpads at each end of
6 furnaces.
A Line 6 molten metal filters
B Line 12 dross skim pots
C Line 2 crucible preheaters
D Line 6 crucibles
E Line 6 stack transitions
F Line 5 filter boxes 1968

6393 FOSTER WHEELER CORP N.J.
P S F Industried Seattle
Atlantic-Richfield
Cherry Point Refinery
Stack Lining 1970

6398 Combustion Engineering Co.
U S Atomic Energy Comm.
Richland, Wash.
Design and materials for front
wall of 2 boilers.

6500 Ralph M. Parsons Co., L.A.
ARCO REFINERY± CHERRY POINT, WASH°.
Refractory linings, New Arco refinery.

6667 Ralph M. Parsons Co.
Arco Refinery
Cherry Point, Washington
Labor and material for technical services
to donduct tests as directed by client. 1971

6700 Earle M. Jorgensen Co.
Seattle, Washington
Conversion of A2 and A5 Annealing
Furnaces to Dual - Fuel Comb. System

6868	Earle M. Jorgensen Company Seattle Construct one Forge Furnace 12'x20'	
6950	Earle M. Jorgensen Co., Seattle Design and construct car bottom tempering furnace	
7086	Earle M. Jorgensen Co., Seattle Brick Repairs Turnaround Furnaces 10±11	
"A"	Brick Repairs #14 Furnace	
7111	Continental Can Company Olympia, Washington Design and Construct 12,000 SCFM Fume Incinerator	3/72
7171	Earle M. Jorgensen Company Seattle, Washington Construct 15' x 38' Car Bottom Heat Treating Furnace	4/72
7235	Bumstead-Woolford Company Seattle, Washington City of Burbank Furnish and Install Stack Material for One Stack Lining	
7282	Mobil Oil Co. Ferndale, Washington Arthur G. McKee and Company Independence, Ohio Refractory linings reformer reactors	
"A"	Dryout of linings	7/72

WASHINGTON CONTINUED

7584	Chevron Chemical Company Kennewick, Washington Install Refractory Lining for Fume Abater V-210	3/73
7639	Continental Can Co Olympia, Wash. Spare Parts for Job 7111	4/73
8053	Earle M Jorgensen Co Seattle, Washington Combustion System Conversion to Dual Fuel on Furnace #3	1/74
8650	EARLE M JORGENSEN Seattle Washington Design & Construct 13'x2' Carbottom Forge Furnace F-25	1/75
9134	Earle M Jorgensen Seattle, Wash. Reconstruction of #H4 Heat Treat Furnace	1/76
9316	Snelson Inc/Texaco Inc Anacortes, Wash. Refractory Repairs During FCC Turnaround	6/76
9500	Earle M Jorgensen Seattle, Wash. Design & Reconstruct H6 Furnace	10/76

11100 CATALYTIC INC/MARTIN MARIETTA ALUMINUM
Goldensale, Wash
.. Design and construct 120,000# holder

11474 CATALYTIC INC
MARTIN MARIETTA
Goldendale, WA 3/80
Furnish labor & Material to install
refraatory in pit GDN

WEST VIRGINIA

1948

6385 - C. F. Braun & Co.
Virginian Gas & Oil Company
Hubball, West Virginia
Refractories and Insulation for One (1) 12 x 12 x 20 Fired Heater--Material Only

1957

9357 - E. I. duPont de Nemours & Co., Inc.
Belle, West Virginia - Refractory and Insulation Materials, and Supervision Only, for Four (4) 4'-6" I.D. Gas Generators

NO. 801-11 R ... U.S.A.

W Y O M I N G

1941

3620 - The Fluor Corporation, Ltd.
Frontier Refining Company - Cheyenne, Wyoming
Material Sale

1942

3941 - The Fluor Corporation, Ltd.
Defense Plant Corporation - Plancor #1146
Frontier Refining Company - Cheyenne, Wyoming
U. O. P. Heater--Material

1949

6608 - C. F. Braun & Co.
The Pure Oil Company - Worland, Wyoming
15 x 15 x 30 Fired Heater--Material Only
(A) - Labor only for One (1) 15 x 15 x 30 Fired Heater
(B) - Labor only for Three (3) Erie City Iron Works
Type VE #28-26-18, 300 h.p. Boilers

1954

8184 - The Ralph M. Parsons Company
Jefferson Lake Sulphur Company - Manderson, Wyoming
Brickwork for Sulphur Plant

1970

6252 STAUFFER CHEMICAL CO
Salt Lake City
Leefe, Wy
Design and supply hot air furnace.

NO. 801-11 R IPUM U.S.A.

A F R I C A

1958

9681 - Standard-Vacuum Oil Company - White Plains, New York - South Africa Export
One Hot Gas By-Pass Valve

EXPORT

ARGENTINA

1959

1021 - Borax Consolidated, Ltd - Salta, Argentina
Engr. & Design Anhydrous Borax Melting Furnace

5777 C.F. BRAUN AND CO 1946
Arabian American Oil Company

Export - Arabia - Material Only
Two 10 x 10 x 20 heaters

6112 C.F. BRAUN AND CO. 2/76
Arabian American Oil Co. - Saudia Arabia

10 x 10 x 20 Fired heater - Material only

9160 RALPH M PARSONS /Aramco 2/76
Saudi Arabia - Supply engineering to
design waste gas incinerator

9612 ARAMCO - Saudia 1/77
Nissei Sangyo Co. LTD - Tokoyo Japan

Furnish 24 # WCS-GF-SP Thrope burners

10306 RALPH M PARSONS /ARAMCO 4/78
Saudi Arabia

Refractory review sulfur recovery
train

10502 RALPH M PARSONS/ARAMCO - Berri 8/78
Saudi, Arabia

2 Thermal oxidizer burner assy

10517 RALPH M PARSONS/ARAMCO-Uthmania 9/78
Saudi Arabia
Refractory burner assemblies & misc parts

10554 ARAMCO/AL FOZAN CO 9/78
Saudi, Arabia

Supply thermal oxidizer

10574 RALPH M PARSONS/ARAMCO 10/78
Shedgum Saudi, Arabia
Supply 2 thermal oxidizer Burner assemblies

10502	Ralph M Parsons/ARAMCO Berri Saudi, Arabia Two Thermal Oxidizers Burner Assemblies	8/78
10517	Ralph M Parsons/ARAMCO Uthmaniyah, Saudi, Arabia Refractory Burner Assemblies & Misc. Parts	9/78
11068	RALPH M PARSONS/ARAMCO Berri Saudi, Arabia Services of a combustion engineer	7/79

FOREIGN CONTRY
ASIA

5777 C. F. Braun and Co. 1946
Arabian American Oil Company (Export), Arabia
Material Only-Two (2) 10 x 10 x 20 Heaters

6112 C. F. Braun and Co.
Arabian American Oil Company - Saudi, Arabia
10 x 10 x 20 Fired Heater - Material Only

8755 The Ralph M. Parsons Company
California Texas Oil Company, Ltd.
For Export
Taiwan, Formosa-Kaohsuing Refinery
Combustion Equipment for Pressurized Waste Gas
Incinerator - Material Only See Formosa

8757 Parsons-Jurden-Sar Cheshmeh-Iran 4/75
Supply Burners & Supports.

8995 Parsons-Jurden International 10/75
Sarcheshmeh Copper Mining
Iran
Supply 2 Sets of 6 Burners ea for
Copper Reverb Furnace
"A" Supply 3 Anode & Holding Furnace Burners

9160 Ralph M Parsons/ARAMCO 2/76
Saudi Arabia
Supply Engineering to Design Waste Gas Incr.

9612 ARAMCO-Saudi
NISSEI SANGYO CO LTD-Tokyo Japan 1/77
Furnish 24 #WCS-GF-SP Thorpe Burners

10068 National Iranian Copper - Tehran Iran
Spare Reverb Furnace Burner &
Holding Furnace Burner 11/77

Foreign Countries

Asia

10306	Ralph M Parson/Aramco Saudi, Arabia Refractory Review Sulfur Recovery Train	4/78
10502	Ralph M Parsons/Aramco - Berri Saudi, Arabia 2 Thermal Oxidizer Burner Assy	8/78
10517	Ralph M Parsons/Aramco - Uthmania Saudi Arabia Refractory Burner Assemblies & Misc Parts	9/78
10554	Aramco/Al Fozan Co. Saudi, Arabia Supply Thermal Oxidizer	9/78
10574	Ralph M. Parsons/Aramco Shedgum Saudi Arabia Supply 2 Thermal Oxidizer Burner Assemblies	10/78

FOREIGN COUNTRY
AUSTRALIA

3040	Containers, Limited Melbourne, Victoria, Australia Design and Supply two (2) Lithograph Oven Fums Burners	1964
5161	Containers Limeted Thornbury, Victoria, Australia Engineering only two fume burners	1968
7354	Bechtel Corporation Australian Oil Ref. Pty. Ltd. Kurnell, Australia Labor crew for guniting three Pheniform reactors	9/72

B R A Z I L

1958 9719 Southwestern Engineering Company
Girdler Corporation
Brazil Export
Refractory and Insulation Lining for 30" Texaco Generator

Foreign Country

C A N A D A

1943

4034 - Bechtel-Price-Callahan
Canol Project - Whitehorse, Yukon Territory
Four (4) 1000 h.p. Edge Moor Boiler Enclosures
and Miscellaneous Furnace Brickwork

4041 - Bechtel-Price-Callahan
Canol Project - Whitehorse, Yukon Territory
Labor Only--Four (4) U. O. P. Heaters, Two (2)
Petro-Chem Heaters

1945

5360 - The Fluor Corporation, Ltd.
Shell Oil Company of British Columbia, Limited
Vancouver, B. C., Canada - Shellburn Refinery -
One (1) B. & W. Class HIII #18 Boiler

5363 - The Fluor Corporation, Ltd.
Shell Oil Company of British Columbia, Limited
Vancouver, B. C., Canada - Shellburn Refinery -
One (1) U. O. P. Heavy Oil and
One (1) Light Oil Heaters

5364 - The Fluor Corporation, Ltd.
Shell Oil Company of British Columbia, Limited
Vancouver, B. C., Canada - Shellburn Refinery
One (1) Type "B" Gas Heater

1946

5691 - The Fluor Corporation, Ltd.
Shell Oil Company of British Columbia, Limited
Vancouver, B. C., Canada
To Rebrick North Wall in Distilling Unit
Crude Oil Heater
(A) - To Install Three (3) Burners in Topping Unit
Crude Oil Heater
(B) - To Repair Front Wall

1952

7495 - C. F. Braun & Co.
Shell Oil Company of Canada - Montreal, Que.
Canada - Engineering Drawings for Acid Stripper

1954

8147 - The Ralph M. Parsons Company
Shell Oil Company of Canada - Jumping Pound,
Alberta, Canada - Construct Waste Gas Incinerator

1956

8694 - The Ralph M. Parsons Company of Canada Ltd.
Canadian Gulf Oil Company - Pincher, Alberta, Canada
Waste Gas Incinerator - Materials and Design

8756 - Brown & Root Ltd.
Imperial Oil Ltd.
Redwater, Alberta, Canada
One Combustion Equipment and Burner Equipment - Material Only

8979 - The Ralph M. Parsons Company
Jefferson Lake Sulphur Co. - Taylor British Columbia, Canada - Design and Furnish Material Only for One (1) Waste-Gas Incinerator

1957 9354 - Texas Gulf Sulphur Company - Ludbury, Ontario, Canada
Supply Design and Materials for One (1) Waste Gas Incinerator

9362 - The Ralph M. Parsons Company of Canada Ltd.
British American Oil Co., Ltd.,
Pincher Creek, Alberta, Canada
Design and Supply Material for Two (2) Waste Gas Incinerators

1959 9929 - The Fluor Corporation, Ltd.
Nevis, Alberta, Canada - Supply Design and Material for One Waste Gas Incinerator

=
9984 - The Fluor Corporation Ltd.
Nevis Operators Committee - Nevis, Alberta, Canada
Construct One Hot Gas Bypass Valve

1960 1566 - The Ralph M. Parsons Co of Canada, Ltd. Petrogas Processing
Jefferson Lake ~~Petrochemicals of Canada, Ltd.~~
Balzac, ~~East Calgary~~, Alberta - Supply material only for One (1) Waste Gas Incinerator

1961 1649 --Fluor Corporation Ltd.
Carstairs, Alta., Canada
Material only for One Waste Gas Incinerator.

1961 1692 - Ralph M. Parsons Co of Canada, Ltd
Jefferson Lake Petrochem of Canada Ltd
Coleman, Alberta, Canada
Design and Supply One (1) Waste Gas Incinerator.

1962 2226 - The Fluor Corporation Ltd
Home Oil Company - Alberta, Canada
Design and construct one Hot Gas Bypass Valve

CANADA (Continued)

3086 The Ralph M. Parsons Construction Co. of Canada
Socony Mobile Oil Co.
Emborne, Alta, Canada
Design and Supply one Waste Gas Incinerator
1964

3356 Canadian Bechtel Ltd
San Francisco
Great Canadian Oil Sands Project
Alberta, Canada
Design and construct waste gas incinerator

3398 Ralph M. Parsons Construction Co
of Canada Ltd
Hudson's Bay Oil and Gas Co. Ltd
Edson, Alberta, Canada
Design and construct waste gas incinerator

3797 Ralph M. Parsons Const. of Canada Ltd.
Imperial Oil Enterprises
Winnipeg Man. (Canada)
Design and Construct one waste gas incinerator
"A" Repairs to damaged incinerator.

3813 Ralph M. Parsons Construction Co. of Canada Ltd.
Cornwall Chemicals Ltd.
Cornwall, Ontario (Canada)
Design and supply one waste gas incinerator.

4017 Ralph M. Parsons Co. 1966
Imperial Oil Enterprises Ltd.
Sarnia, Ontario (Canada)
Design and supply one waste Gas Incinerator

4064 Ralph M. Parsons Co.
Petrogas Processing Co.
Balzac, Alberta, Canada
Design and supply waste gas incinerator

4716 Ralph M. Parsons Co.
Banff Oil Ltd.
Banff, Alberta, Canada
Design and supply waste gas incinerator 1967

CANADA (Continued)

4795	Ralph M. Parsons Co. Shell Oil Co. Vancouver, B.C., Canada	1967
5752	R. M. Parsons (Canada Ltd.) Hudsons Bay Oil and Gas Co. Ltd Edson Alberta, Canada Engineering only to modify fume incinerator	1969
5969	Ralph M. Parsons Co Agent Chevron Standard Limited Alberta, Canada Design and Supply two (2) waste gas incinerators	1969
6420	Ralph M. Parsons Co. (L.A.) Banff Oil Ltd (Alberta) Design and supply one waste gas incinerator and breeching	1970
6714	Delta Projects Ltd. Rainbow Lake Alberta, Canada Engineering to Modify Tail Gas Incinerator	1970
6779	Ralph M. Parsons Co. Aquitaine Co. of Canada Ltd. Ram River Gas Plant (Canada) Design and Construct one Waste Gas Incinerator	
"A"	Repairs to Buffalo Forge Blower	

CANADA (Continued)

7177 Ralph M. Parsons Company
Imperial Oil Company
Dartmouth Nova Scotia (Canada)
Design and construct one waste gas incinerator

4/72

FORMOSA

1956 8755	- The Ralph M. Parsons Company
	California Texas Oil Company, Ltd.
	For Export
	Taiwan, Formosa
	Kaohsuing Refinery
	Combustion Equipment for Pressurized Waste
	Gas Incinerator - Material Only

GERMANY

1968.

5260 J T THORPE COMPANY
FLUOR CORPORATION
MARATHON OIL
Burghausen, Germany
Engineering study Wulff Process Furnaces

JAPAN

9812	NISSEI SANGYO CO LTD-Tokyo ARAMCO - Saudi Furnish 24 WCS-GF-SP Thorpe Burners	1/77
10269	NISSEI SANGYO CO - Tokyo Thermal Oxidizer Spare Parts	3/78
"A"	Spare Burner	

K O R E A

1962

2539 - **Southwestern Engineering Company**
Chung-Ju Fertilizer Plant
Korea
Furnish material for Generator Export

1963

2726 - Southwestern Engineering Company
Chung Ju Fertilizer
Korea
Furnish material for export, Texaco
Synthesis Generator

Foreign Country

M E X I C O

1936

2995 - **C. F. Braun & Co.**
Anglo-Mexican Petroleum - Poza Rica, Mexico
Pipe Still

1959

1053 - **Fluor Corporation**
Petroleos Mexicanos, Minatitlan, Mexico
Engineering of Reactor Vessel Lining

1960

(A) - Services of Field Supervision

1963

2865 - U. S. Electrical Motors Division
Monterey, Mexico
Lamination Furnace

The NETHERLANDS

1969

5550 HUNTER DOUGLAS INTERNATIONAL INC°
ROTTERDAM± The NETHERLANDS
Provide design and specifications for
80, 000# aluminum melting furnace.

Foreign Country

NORTH WEST INDIES

1940

3475 & (A) - C. F. Braun & Co.
Asiatic Petroleum Company
Material for Pladjoe and Curacoa, North West Indies
Gas Oil Heaters

1942

3772 - C. F. Braun & Co.
Standard Oil Company - Aruba, North West Indies
Material for Two (2) Fired Heaters

6000 R M PARSONS GmbH
LAGO OIL + TRANSPORT CO LTD
ARUBA NETHERLAND ANTILLES
CARIBBEAN
Design + supply 2 waste gas incinerators.

PUERTO RICO

1955

8677 - J. T. Thorpe Company
The Fluor Corporation, Ltd.
Caribbean Refining Corporation
San Juan, Porta Rica
Supply One (1) Hot Gas Bypass Valve

1958

9463 - Gonzales Chemical Industries
Guanica, Puerto Rico
Send Brickmason Foreman to Guanica, P. R. to install brick lining in 30" I.D. Texas Co. Synthesis gas Generator

NO. 801-11R U.S.A.

1962

2516 - Industrial Siderurgica Inc
San Juan, Puerto Rico
Design and materials for Walking Beam Furnace

Foreign Country

SOUTH AMERICA

1947

5944 - C. F. Braun & Co.
Creole Petroleum Corp. - Mukta, Venezuela
One (1) 12 x 12 x 20 Heater--Material Only

1959

1021 Borax Consolidated Limited - Salta, Argentina
Engineering & Designing Anhydrous Borax
Melting Furnace

1964

3268 Southwestern Engineering Co.
Borden Chemical Company
South America
Repair parts for export for 30"
Texaco Synthesis Gas Generator

1965

3432 RALPH M PARSONS CO
M W KELLOGG CO
Colombia, S.A.
Furnish 1 waste gas incinerator

3603 Southwestern Engineering Co.
Borden Chemical Co.
South America
Repair parts for export for 30" Texaco
Synthesis gas generator.

TURKEY

1954

8174 - C. C. Moore & Co. Engineers
The Ralph M. Parsons Company
c/o Maden Tetkik ve Arama Enstitusu
Batman, Turkey - Refractory and Insulation
Materials only for Three B&W FF-15 No. 28 Boilers

1975 8904 Etibank - Ankara

Design & Supply Borax Melting Furnace.

J.T. THORPE JOB FILES

INDEX

ALPHABETICAL

NUMERICAL INDEX

JOB NUMBER AND START OF EACH YEAR

Year:	Job #:	Year:	Job #:	Year:	Job#:
1927	101-476	1950	6792	1974	8026
1927	477	1951	7072	1975	8627
1928	2122	1952	7404	1976	9097
1929	2265	1953	7713	1977	9592
1930	? 2233	1954	8049	1978	10138
1931	? 2504	1955	8325	1979	10719
1932	?	1956	8682	1980	11334
1933	2652 & 2673	1957	9076	1981	11948
1934	2685	1958	9489	1982	12495
1935	2840	1959	9861	1983	12915
1936	2937	1960	1204	1984	13303
1937	3050	1961	1569	1985	13776
1938	3163	1962	2198	1986	14202
1939	3283	1963	2566	1987	14566
1940	3422	1964	2958	1988	14962
1941	3569	1965	3389	1989	15295
1942	3743	1966	3845	1990	15673
1943	3947	1967	4353	1991	15953
1944	4195	1968	4948	1992	
1945	4699	1969	5511	1993	
1946	5388	1970	6064	1994	
1947	5811	1971	6544		
1948	6181	1972	7006		
1949	6506	1973	7502		

Numerical Index

Job Number @ Start of Each Year

Year	Job#	Year	Job#	Year	Job#
1927	101-476	1943	3947	1960	1204
1927	477	1944	4195	1961	1569
1928	2122	1945	4699	1962	2198
1929	2265	1946	5388	1963	2566
1930	?	1947	5811	1964	2958
1931	2564	1948	6181	1965	3389
1932	?	1949	6506	1966	3845
1933	2652±2673	1950	6792	1967	4353
1934	2685	1951	7072	1968	4948
1935	2840	1952	7404	1969	5511
1936	2937	1953	7713	1970	6064
1937	3050	1954	8049	1971	6544
1938	3163	1955	8325	1972	7006
1939	3283	1956	8682	1973	7502
1940	3422	1957	9076	1974	8026
1941	3569	1958	9489	1975	8627
1942	3743	1959	9861	1976	9097

(2)

Year	Job #	
1977	9592	
1978	10138	
1979	10719	
1980	11334	
1981	11948	
1982	12495	
1983	12915	
1984	13303	473
1985	13776	
1986	14202	
1987	14566	
1988	14962	308
1989	15295	378
1990	15673	280
1991	15953	
1992		
1993		
1994		

TIME MACHINE

Network

Date	Time Called In	Pick-up Time	Delivery Time	Driver #	Quality Control#
5-9-05		9:50		734	16151

Call Placed By	Your File or Ref. #

Rush Filing	Straight Shot (Immediate)	Rush (2-3 hrs)	Deferred (Same Day)	Return
☐	☒	☐	☐	☐

Los Angeles	(213) 975-9850
Santa Ana	(714) 542-8580
San Diego	(619) 515-0525
Riverside	(909) 320-7770
San Francisco	(415) 920-9155

PICK UP: PRINDLE DECKER
310 GOLDEN SHORE
LONG BEACH 4FL

DELIVER TO: MORGAN, LEWIS
300 S. GRAND AV.
DOWNTOWN 20FL

Drivers Notes:
lbs 2,160 Wait time _____
Return
Signature X _____

Special Instructions (Client use only):

54 BOXES

Liability: Time Machine Network shall not be liable for more than $250.00 per delivery.

RECEIVED IN GOOD ORDER BY:
Signature X _____
Print name here _____

CLIENT COPY

KENNETH B. PRINDLE
R. JOSEPH DECKER
MICHAEL L. AMARO
ANDY J. GOETZ
MARY KIRK HILLYARD
GARY E. YARDUMIAN
TAHEREH K. BARNES
JACK R. REINHOLTZ
WILLIAM M. HAKE
JACK C. NICK
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CATHY A. MULLER
SUSETTE S. YI
VALERIE J. MASTER
MICHAEL D. VALENTINE
DONNA K. CLOER
MAUREEN R. CARNAHAN
JEANNETTE C.C. DARROW
E. SUSIE WENDORFF

LAW OFFICES OF
PRINDLE, DECKER & AMARO LLP
310 GOLDEN SHORE - 4TH FLOOR
P.O. BOX 22711
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(562) 436-3946
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GOLNAR MODJTAHEDI
TREVOR KNOPF
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TRACY L. HUGHES
CARLA LYNN CROCHET ‡
J. ANDREW BRANAM

OF COUNSEL
STEPHEN C. KLAUSEN
J. LAWRENCE JUDY
JAMES V. JOYCE
MARK B. PEPYS
SAMUEL S. GUZIK
GARY H. ANDERSON
BLAKE W. LARKIN

† Also Certified in Hawaii
‡ Also Certified in Hawaii and Washington

WRITER'S E-MAIL ADDRESS
jalbae@pdalaw.com

WRITER'S DIRECT FAX
866.272.8178

May 6, 2005

VIA PERSONAL PICK UP

Margie Devey
~~Morgenstein & Jubelier~~ Morgan Lewis & Bockius
300 South Grand Ave, 22nd Floor
Los Angeles, CA 90071

Re: ***J.T. Thorpe, Inc. - Job Files***

Dear Ms. Devey:

Pursuant to authority granted by John Allen, your office has agreed to pick-up 50 boxes and 4 tubs of original J.T. Thorpe, Inc. job files from our Long Beach office.

Your signature on the bottom of this letter confirms your receipt of all of the original J.T. Thorpe, Inc. job files currently in our possession.

If you have any questions, or if any of this does not comport with your understanding, please feel free to contact our office.

Very truly yours,

PRINDLE, DECKER & AMARO LLP

BY: JAIME ALBA, Paralegal for
KENNETH B. PRINDLE, ESQ.

KBP/jla
Enclosures

The undersigned hereby acknowledges receipt of 50 boxes and 4 tubs of J.T. Thorpe, Inc. job files.

PAUL #734 BROOKS TIME MACHINE

SAN FRANCISCO
369 PINE STREET, SUITE 800
SAN FRANCISCO, CALIFORNIA 94104
(415) 788-8354 • FAX (415) 788-3625

RIVERSIDE
3750 UNIVERSITY AVENUE, SUITE 210
RIVERSIDE, CALIFORNIA 92501
(951) 341-7671

HAWAII
3705 WAIALAE AVENUE, SUITE 208
HONOLULU, HAWAII 96816
(808) 735-5933 • FAX (808) 735-6997

Index - JT Thorpe Job files

Gray tub →

Job file #	Blue tub #1			
14523	10652	10549	11022	11633
14549	10169	10570	11035	11632
14615	10211	10586	11070	11611
14550	10171	10594	11086	11602
14551	10238	10609	11091	11553
14626	10251	10612	11126	11890
14652	10255	10641	11151	11870
14742	10257	10690	11170	11899
14658	10281	10692	11171	14351
14769	10294	10693	11204	14277
14664	10330	10699	11287	14385
14784	10343	10701	11510	14436
14797	10345	10703	11509	14446
14804	10355	10752	11485	14449
14899	10356	10766	11424	14456
14990	10373	10810	11405	14465
14958	10398	10822	11387	14222
14914	10418	10827	11375	14251
14947	10421	10846	11340	14258
15056	10455	10862	11336	14266
15084	10466	10880	11320	14297
15097	10474	10898	11804	
15149	10483	10926	11737	
	10489	10970	11695	
	10503	10978	11693	
	10535	10992	11677	

Cont JT Thorpe Inc. Index

Job file #'s

Blue tub #2

15222
15231
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15277
15318
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15456
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Blue tub #3

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Box 1

6404

Box 2

4017
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3730
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Box 4

6055 ; 6055
6048 ; 6110
6014 ; 6158
6179 ; 6236
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Box 5

4215 ; 5004
4206 ; 5024
4156 ; 5042
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4133
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Box 3

8860 ; 8861 ; 8884 ; 8839
8857 ; 8879 ; 8883 ; 8838
8858 ; 8878 ; 8882 ; 8837
8853 ; 8876 ; 8881 ; 8836
8856 ; 8875 ; 8848 ; 8834
8852 ; 8874 ; 8847 ; 8832
8851 ; 8872 ; 8846 ; 8833
8850 ; 8871 ; 8845 ; 6451
8868 ; 8870 ; 8843
8867 ; 8869 ; 8841
8866 ; 8888 ; 8840
8863 ; 8887 ; 8839
8862 ; 8885 ; 8831

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Box 13
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4275; 9853
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5318; 9790
9059; 9772
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9535; 9499
9564; 9512
9580; 9502
9596; 9404

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Box 22	Box 23	Box 24
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5487	3145 ; 4419	4643 ; 4740
5264	9115 ; 8877	4441
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8130	8854	4563
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Box 26

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Box 28

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Box 29

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Box 31

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Box 32

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Box 33

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Box 34

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Box 35

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Box 38

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Box 37

4981 5821
4888 5978
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5494 5931
5674 5924
5972 5987
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Box 39

9693	9766	10195	10540	11095	11379
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9732	10077	10470	10920	11314	
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9742	10133	10490	10922	11315	
9745	10161	10512	10935	11362	
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Box 40

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Box 41

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Box 47

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Box 48

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Box 49

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Box 50

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9092
7649
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7284
7625
5953
5958
5239
4400
5961
5988
8766



mdevey@morganlewis.com

05/06/2005 03:46 PM

To: cmalaret@morganlewis.com
cc: jalba@pdalaw.com
Subject: Thorpe - Prindle job files

We will be picking up 50 boxes (plus 4 tubs) from Prindle Decker on Monday morning at 9:00am.

Margie I. Devey
Paralegal
Morgan Lewis & Bockius LLP
300 South Grand Avenue
22nd Floor
Los Angeles, CA 90071-3132
Tel. (213) 612-7322 (Direct)
Fax (213) 612-2501
Email: mdevey@morganlewis.com
www.morganlewis.com



"Allen John E." <JEAllen@ThorpeTech .com>

05/05/2005 03:58 PM

To: <kprindle@pdalaw.com>
cc: <jalba@pdalaw.com>, <cmalaret@morganlewis.com>, <mdevey@morganlewis.com>, "Carpenter Thomas" <TCarpenter@ThorpeTech.com>
Subject: J T Thorpe Job File Transfer from Prindle to Morgan Lewis

Ken,

This is your authorization to release the J T Thorpe files in your possession to Morgan Lewis. Thanks for your help.

John E. Allen
Thorpe Technologies Inc
9905 Painter Ave, Suite D
Whittier, CA 90605
Phone: 562-903-8230
Fax: 562-903-8236
jeallen@thorpetech.com

-----Original Message-----
From: mdevey@morganlewis.com [mailto:mdevey@morganlewis.com]
Sent: Thursday, May 05, 2005 3:43 PM
To: cmalaret@morganlewis.com
Cc: Allen John E.; jalba@pdalaw.com; kprindle@pdalaw.com
Subject: Fw: Thorpe

Prindle Decker has confirmed they have approximately 49 boxes of job files in storage. Prindle is having the boxes retrieved from storage tomorrow.
We can send a courier down to Long Beach to pick up the boxes. Jaime Alba will call me tomorrow with a time frame.

Prindle would also like John Allen to send authorization releasing the boxes to Morgan Lewis.

Margie I. Devey
Paralegal
Morgan Lewis & Bockius LLP
300 South Grand Avenue
22nd Floor
Los Angeles, CA 90071-3132
Tel. (213) 612-7322 (Direct)
Fax (213) 612-2501
Email: mdevey@morganlewis.com
www.morganlewis.com
----- Forwarded by Margie I. Devey/LA/MLBLaw on 05/05/2005 03:36 PM -----

Margie I. Devey/LA/MLBLaw

To

05/04/2005 03:19 Jaime Alba, kprindle@pdalaw.com

PM

cc

Charles J.

Malaret/LA/MLBLaw@MorganLewis

Subject

Thorpe

Jaime,

I believe the job files St. Paul is seeking were produced in a case brought by former JT Thorpe employees so they probably were not in a JT Thorpe file but other files if that helps.

Margie I. Devey
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Fax (213) 612-2501
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www.morganlewis.com
----- Forwarded by Margie I. Devey/LA/MLBLaw on 05/04/2005 03:16 PM -----

Margie I.

Devey/LA/MLBLaw

To

05/04/2005 03:11 PM

jalba@pdalaw.com,

kprindle@pdalaw.com

cc

Charles J.

Malaret/LA/MLBLaw@MorganLewis

Subject

Thorpe

Jaime,

Thanks for your help with this. I understand Mr. Prindle is out of the office for the rest of the week. Can you confirm today whether Prindle Decker has any original job files?

During Tom Carpenter's deposition, Mr. Carpenter testified that he (and perhaps others) at Thorpe provided copies of Dissolved Thorpe job files to the Prindle firm and that Thorpe did not keep copies.

Should Prindle Decker possess job files, we will need to produce them to St. Paul.
Thanks again.

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Paralegal
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Los Angeles, CA 90071-3132
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Email: mdevey@morganlewis.com
www.morganlewis.com

Kenneth B. Prindle
05/05/2005 08:28 AM

To: Jaime L. Alba/PDALAW@pdalaw
cc: Ryder M. Hill/Paralegal/PDALAW@pdalaw, Craig T. Fox/PDALAW@PDALAW
Subject: Thorpe

Jaime,

We had some old job files in storage. Craig knows how to find them. See if we can find them. thanks.

Ken

---------- Forwarded by Kenneth B. Prindle/PDALAW on 05/05/2005 08:21 AM ----------

mdevey@morganlewis.com on 05/04/2005 02:11:10 PM

To: jalba@pdalaw.com, kprindle@pdalaw.com
cc: cmalaret@morganlewis.com

Subject: Thorpe

- Blue tubs
- Labeled

J.T. Thorpe Inc.

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Fax (213) 612-2501
Email: mdevey@morganlewis.com
www.morganlewis.com

Charlie Malaret

John Allen -
Principal in charge J.T. Thorpe
- sent by someone ago
authorizing us to turn over
files to Morgan Lewis

atty
Charlie Malaret



mdevey@morganlewis.com
05/04/2005 03:11 PM

To: jalba@pdalaw.com, kprindle@pdalaw.com
cc: cmalaret@morganlewis.com
Subject: Thorpe

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-> represent Thorpe



mdevey@morganlewis.com
05/04/2005 03:19 PM

To: jalba@pdalaw.com, kprindle@pdalaw.com
cc: cmalaret@morganlewis.com
Subject: Thorpe

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----- Forwarded by Margie I. Devey/LA/MLBLaw on 05/04/2005 03:16 PM -----

Margie I. Devey/LA/MLBLaw 05/04/2005 03:11 PM		To
	jalba@pdalaw.com, kprindle@pdalaw.com	cc
	Charles J. Malaret/LA/MLBLaw@MorganLewis	Subject
	Thorpe	

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Margie I. Devey
Paralegal
Morgan Lewis & Bockius LLP

KENNETH B. PRINDLE
R. JOSEPH DECKER
MICHAEL L. AMARO
ANDY J. GOETZ
MARY KIRK HILLYARD
GARY E. YARDUMIAN
TAHEREH K. BARNES
JACK R. REINHOLTZ
WILLIAM M. HAKE
JACK C. NICK
JAMES G. MURRAY
THOMAS A. STEIG
R. DEREK CLASSEN
GRACE C. MORI
JEREMY D. MILBRODT
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KRISTIE M. KAWAKAMI †
DOUGLAS S. DE HERAS
KIM R. DAVIS
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CATHY A. MULLER
SUSETTE S. YI
VALERIE J. MASTER
MICHAEL D. VALENTINE
DONNA K. CLOER
MAUREEN R. CARNAHAN
JEANNETTE C.C. DARROW
E. SUSIE WENDORFF

LAW OFFICES OF
PRINDLE, DECKER & AMARO LLP
310 GOLDEN SHORE - 4TH FLOOR
P.O. BOX 22711
LONG BEACH, CALIFORNIA 90802
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TODD A. FUSON
JENNIFER D. HOLT
MERIAM N. ALRASHID
NICHOLAS PAULOS
HEATHER M. BEAN
TRACY L. HUGHES
CARLA LYNN CROCHET ‡
J. ANDREW BRANAM

OF COUNSEL
STEPHEN C. KLAUSEN
J. LAWRENCE JUDY
JAMES V. JOYCE
MARK B. PEPYS
SAMUEL S. GUZIK
GARY H. ANDERSON
BLAKE W. LARKIN

† Also Certified in Hawaii
‡ Also Certified in Hawaii and Washington

WRITER'S E-MAIL ADDRESS
jalbae@pdalaw.com

WRITER'S DIRECT FAX
866.272.8178

May 6, 2005

VIA PERSONAL PICK UP

Margie Devey
~~Morgenstein & Jubelier~~ Morgan, Lewis + Bockius LLP
300 South Grand Ave, 22nd Floor
Los Angeles, CA 90071

Re: ***J.T. Thorpe, Inc. - Job Files***

Dear Ms. Devey:

Pursuant to authority granted by John Allen, your office has agreed to pick-up 50 boxes and 4 tubs of original J.T. Thorpe, Inc. job files from our Long Beach office.

Your signature on the bottom of this letter confirms your receipt of all of the original J.T. Thorpe, Inc. job files currently in our possession.

If you have any questions, or if any of this does not comport with your understanding, please feel free to contact our office.

Very truly yours,

PRINDLE, DECKER & AMARO LLP

BY: JAIME ALBA, Paralegal for
KENNETH B. PRINDLE, ESQ.

KBP/jla
Enclosures

The undersigned hereby acknowledges receipt of 50 boxes and 4 tubs of J.T. Thorpe, Inc. job files.

PAUL BROOKS
#734
TIME MACHINE

SAN FRANCISCO
369 PINE STREET, SUITE 800
SAN FRANCISCO, CALIFORNIA 94104
(415) 788-8354 • FAX (415) 788-3626

RIVERSIDE
3750 UNIVERSITY AVENUE, SUITE 210
RIVERSIDE, CALIFORNIA 92501
(951) 341-7671

HAWAII
3705 WAIALAE AVENUE, SUITE 208
HONOLULU, HAWAII 96816
(808) 735-5933 • FAX (808) 735-5997

Record of J.T Thorpe Job Files as of 04-01-2004

3311	JT-001	Glass Container Company	Fullerton	12-1964
3445	JT-005	Southern California Gas Company	Unknown	06-1965
3445	JT-005	Southern California Gas Company	Hoffman	09-1965
3458	JT-005	Cascade Carbon	Bakersfield	02-1965
3562	JT-009			
3563	JT-009			
3564	JT-009			
3565	JT-009			
3569	JT-009			
3573	JT-009			
3576	JT-009			
3577	JT-009			
3578	JT-009			
3579	JT-009			
3582	JT-009			
3585	JT-009			
3586	JT-009			
3587	JT-009			
3592	JT-009			
3596	JT-009			
3598	JT-009			
3599	JT-009			
3600	JT-009			
3730	JT-005	U.S. Borax & Chemical Corp.	Unknown	02-1967
3960	JT-005	The Ralph Parsons Company	Cepsa Spain Fas Gu	02-1967
4017	JT-005	Imperial Oil Enterprises	Sarina	06-1966
4064	JT-005	Ralph M Parsons	Balzae	12-1966
4248	JT-002	Bros Incorporated	Alhambra	11-1966
4320	JT-003	Flour Corporation (Texaco)	Wilmington	12-1966
4390	JT-003	Continental Can Co.	Van Nuys	01-1989
4391	JT-003	Chicago Bridge & Iron Company (Shell)	Anacortes	02-1967
4400	JT-002	Harvey Aluminum	Torrance	02-1967
4437	JT-008			
4441	JT-008			
4549	JT-008			
4555	JT-008			
4563	JT-008			
4598	JT-008			
4600	JT-008			
4620	JT-008			

Record of J.T Thorpe Job Files as of 04-01-2004

4641	JT-008			
4642	JT-008			
4643	JT-008			
4716	JT-004	Ralph M. Parson Construction Co.	Burlingame	10-1967
4726	JT-008			
4740	JT-008			
4755	JT-008			
4757	JT-008			
4760	JT-008			
4786	JT-008			
4790	JT-008			
4795	JT-011			
4803	JT-008			
4824	JT-008			
4835	JT-008			
4845	JT-008			
4851	JT-008			
4888	JT-004	Unknown	Unknown	06-1968
4900	JT-004	Reynolds Metal Company	Longview	03-1968
4932	JT-008			
4947	JT-008			
4954	JT-008			
4970	JT-008			
4978	JT-008			
4981	JT-004	Reynolds Metal Company	Torance	10-1961
4981	JT-015			
4994	JT-008			
5000	JT-015			
5038	JT-001	Standard Oil Company of California	El Segundo	03-1968
5053	JT-015			
5078	JT-015			
5260	JT-015			
5264	JT-011			
5487	JT-011			
5494	JT-004	Norris Industries	Vernon	12-1968
5540	JT-012			
5668	JT-004	Collier Carbon & Chemical Corp.	Brea	05-1969
5674	JT-004	Collier Carbon and Chemical Corp.	Brea	04-1969
5821	JT-004	Ace Foundry	Huntington Park	08-1969
5859	JT-005	Copeland Process Corp.	Casmalia	09-1969

5864	JT-004	U.S. Reduction	Ontario	09-1969
5906	JT-005	Standard Oil Company of California	El Segundo	10-1969
5915	JT-004	Shell Oil Company	Watson	10-1969
5924	JT-004	Staugger Chemical Corp.	South Gate	10-1969
5931	JT-004	Grefco Inc.	Lompoc	10-1969
5945	JT-004	General Welding & MFG Corp	Alhambra	11-1969
5953	JT-002	Harvey Aluminum	Torrance	10-1969
5958	JT-002	Harvey Aluminum	Torrance	10-1969
5967	JT-002	Harvey Aluminum	Torrance	11-1969
5972	JT-004	Phelps Dodge Copper Products Corp.	Los Angeles	11-1969
5978	JT-004	Collier Carbon & Chemical Corp.	Santa Maria	02-1970
5987	JT-004	International Extrusion Corp.	Alhambra	12-1969
5988	JT-002	Harvey Aluminum	Torrance	12-1969
6123	JT-002	Armco Steel	Torrance	02-1970
6239	JT-002	Harvey Aluminum	Torrance	05-1970
6325	JT-003	Harvey Aluminum of Washington, Inc.	Torrance	03-1972
6404	JT-006	J.F. Pritchard & Co.		
6585	JT-007			
6645	JT-007			
6722	JT-002	Stauffer Chemical Company	Dominguez	12-1971
6737	JT-002	Flour Corporation (Mobile Oil)	Beaumont	02-1972
6737	JT-002	Fluor Corporation	Beaumont	04-1971
6779	JT-007			
6861	JT-007			
6875	JT-007			
6900	JT-010			
6934	JT-010			
6999	JT-010			
7000	JT-010			
7177	JT-014			
7185	JT-014			
7284	JT-002	Procter and Gamble Mfg. Co.	Long Beach	08-1972
7331	JT-014			
7332	JT-014			
7332	JT-014			
7390	JT-003	Martin Marietta Aluminum	Torrance	11-1972
7511	JT-003	Martin Marietta Aluminum	Torrance	01-1973
7625	JT-002	Atlantic Richfield Company	Carson	06-1973
7649	JT-002	The Ralph M. Parsons Company	Wilmington	03-1974
7761	JT-002	Shell Oil Company	Dominguez	07-1973

7762	JT-002	Soule Steel Company	Long Beach	07-1973
7763	JT-002	Standard Oil Company of California	El Segundo	07-1973
7766	JT-002	Armco Steel Corporation	Downey	09-1973
7775	JT-002	Bethlehem Steel Corporation	Vernon	09-1973
7779	JT-002	Valley Brass Foundry	El Monte	08-1973
7793	JT-002	Phelps Dodge Tube Company	Los Angeles	08-1973
7824	JT-002	Atlantic Richfield Company	Watson	02-1974
7838	JT-002	Stauffer Chemical Company	Dominguez	09-1973
7847	JT-002	H. Kramer and Co.	El Segundo	09-1973
7862	JT-002	Philadelphia Quartz Co.	South Gate	09-1973
7886	JT-002	Phelps Dodge Tube Company	Los Angeles	09-1973
7895	JT-002	Valley Brass Foundry	El Monte	10-1973
7904	JT-002	Star-Kist Foods Inc.	Terminal Island Plan	10-1973
7910	JT-002	Hopping Foundry	Pasadena	01-1974
7916	JT-002	Western Brass	Los Angeles	10-1973
7931	JT-002	Norris Industries	Maywood	11-1973
7936	JT-003	Martin Marietta Aluminum	Torrance	12-1973
7952	JT-002	Martin Marietta Carbon	Carson	11-1973
7955	JT-011			
7961	JT-011			
7964	JT-011			
7979	JT-011			
8003	JT-011			
8039	JT-011			
8040	JT-011			
8054	JT-011			
8063	JT-011			
8104	JT-011			
8130	JT-011			
8132	JT-011			
8159	JT-003	Martin Marietta Aluminum	Torrance	04-1974
8164	JT-003	Martin Marietta Aluminum	Torrance	04-1974
8219	JT-011			
8386	JT-003	Stauffer Chemical Co.	Henderson	08-1974
8389	JT-007			
8390	JT-003	Exxon Co. USA	Linden	06-1974
8439	JT-003	Continental Can Co.	Van Nuys	12-1972
8720	JT-002	Atlantic Richfield Company	Watson	04-1975
8766	JT-002	Martin Marietta Aluminum	Torrance	04-1975
9090	JT-001	Brockway Glass Company	Pomona	06-1975

Record of J.T Thorpe Job Files as of 04-01-2004

9091	JT-001	Rucker Shaffer	Brea	12-1975
9092	JT-002	Superior Industries	Van Nuys	01-1976
9093	JT-001	Great Lakes Carbon Corporation	Wilmington	04-1976
9095	JT-001	Houston Lighting and Power Co.	Houston	01-1957
9097	JT-001	Standard Oil Company of California	El Segundo	01-1976
9098	JT-001	Texaco Inc.	Wilmington	06-1976
9099	JT-001	Standard Oil Company of California	El Segundo	01-1976
9101	JT-001	Kerr-Mc Gee Chemical Corporation	El Segundo	01-1976
9102	JT-001	Bethlehem Steel Corporation	SS Idaho	03-1976
9104	JT-001	Union Oil Co. of California	Wilmington	01-1976
9105	JT-001	Hunt-Wesson Foods	Fullerton	01-1976
9108	JT-001	Standard Oil Co. Of California	El Segundo	03-1976
9110	JT-001	Standard Oil Co. of California	El Segundo	02-1976
9111	JT-001	Cypress Tubing and Conduit Co.	Torrance	01-1976
9112	JT-001	Hall Heat Treating Co.	Paramount	01-1976
9113	JT-001	California Oil Purification Co.	Ventura	01-1976
9113	JT-002	Selas Corporation of America	Commerce	01-1976
9114	JT-001	Aerojet MFG Co	Fullerton	03-1976
9116	JT-002	Kaiser Stee Corporation	Santana	01-1976
9117	JT-002	Standard Oil Company of California	El Segundo	01-1976
9119	JT-002	Mobil Oil Corporation	Torrance	02-1976
9120	JT-001	Cascade Steel Rolling Mills	Los Angeles	01-1976
9390	JT-016			
9393	JT-016			
9394	JT-016			
9395	JT-016			
9423	JT-016			
9441	JT-016			
9448	JT-016			
9457	JT-016			
9467	JT-016			
9513	JT-016			
9561	JT-016			
9568	JT-016			
9569	JT-016			
9604	JT-016			
9616	JT-016			
9631	JT-016			
9635	JT-016			
9636	JT-016			

9654	JT-016			
9685	JT-001	Glass Container Corporation	Vernon	03-1977
9709	JT-016			
9715	JT-016			
9732	JT-016			
9734	JT-016			
9742	JT-016			
9745	JT-016			
9753	JT-016			
9766	JT-016			
9776	JT-016			
9783	JT-016			
9789	JT-016			
9800	JT-016			
9820	JT-016			
9821	JT-016			
9831	JT-001	Glass Container Corporation	Santa Fe Springs	06-1977
9834	JT-016			
9868	JT-016			
9869	JT-016			
9886	JT-016			
9893	JT-013			
9907	JT-016			
9931	JT-001	Glass Container Corporation	Vernon	09-1977
9958	JT-016			
9959	JT-016			
9966	JT-016			
9983	JT-016			
9984	JT-016			
10003	JT-016			
10044	JT-016			
10045	JT-016			
10077	JT-016			
10088	JT-001	Glass Container Corporation	Vernon	12-1977
10113	JT-016			
10133	JT-016			
10161	JT-016			
10182	JT-016			
10195	JT-016			
10210	JT-016			

10228	JT-016			
10236	JT-016			
10239	JT-016			
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10259	JT-016			
10260	JT-016			
10341	JT-016			
10342	JT-016			
10360	JT-016			
10361	JT-016			
10367	JT-016			
10374	JT-016			
10375	JT-016			
10379	JT-016			
10384	JT-016			
10388	JT-016			
10424	JT-016			
10427	JT-016			
10467	JT-016			
10470	JT-016			
10471	JT-016			
10490	JT-016			
10512	JT-016			
10513	JT-016			
10540	JT-016			
10541	JT-016			
10542	JT-016			
10547	JT-016			
10550	JT-016			
10558	JT-001	Glass Container Corporation	Vernon	10-1978
10581	JT-016			
10582	JT-016			
10614	JT-001	Glass Container Corporation	Los Angeles	12-1978
10615	JT-016			
10616	JT-016			
10664	JT-016			
10675	JT-016			
10689	JT-016			
10715	JT-016			
10742	JT-016			

10788	JT-016			
10797	JT-016			
10812	JT-016			
10813	JT-016			
10841	JT-016			
10873	JT-016			
10919	JT-016			
10920	JT-016			
10921	JT-016			
10922	JT-016			
10935	JT-016			
10950	JT-016			
10971	JT-016			
10972	JT-016			
10987	JT-016			
11029	JT-016			
11034	JT-001	Glass Container Corporation	Vernon	09-1979
11049	JT-016			
11050	JT-016			
11072	JT-016			
11087	JT-016			
11095	JT-016			
11096	JT-016			
11109	JT-016			
11119	JT-016			
11141	JT-016			
11158	JT-016			
11248	JT-016			
11249	JT-016			
11256	JT-016			
11286	JT-016			
11314	JT-016			
11315	JT-016			
11357	JT-016			
11362	JT-016			
11363	JT-016			
11379	JT-016			
11380	JT-016			
11397	JT-001	Glass Container Corporation	Vernon	02-1980
11399	JT-016			

11407	JT-016
12330	JT-009
	Next Box JT-017

INDEX OF J.T. THORPE JOB FILES FROM SOUTHERN CALIFORNIA

September, 1991

Box 38, #5821
ACE FOUNDRY
Location: Huntington Park
Date: August, 1969

No Box, #4642
ACE FOUNDRY
Location: Huntington Beach
Date:
Install new lining.

No Box, #4643
ALCAN
Location: Los Angeles
Date:
Brick work repair on large melting furnace.

Box 33, #7483
ALCAN ALUMINUM
Location: Riverside, California
Date: January, 1973
Repair to #65 furnace.

Box 33, #7484
ALCAN ALUMINUM
Location: Riverside, California
Date: January, 1973
Repairs to #8 furnace.

Box 46, #5374
ALCAN ALUMINUM CORPORATION
Location: Riverside
Date: November, 1968

Box 9, #5726
Ralph M. Parsons Co.
ALLIED CHEMICAL COMPANY
Location: El Segundo
Date: September, 1969
Worked on refractory lining and on the sulfur recovery unit.

No Box, #4000
ALLISON STEEL MANUFACTURING COMPANY
Willing Mole Division
Location: Phoenix, Arizona
Date: 1966
Supply and install new reheat furnace.

No Box, #4970
ALLISON STEEL
Location: Helena, Arizona
Date:
Repairs to bullnose.

Box 35, #6375
ALUMINUM COMPANY OF AMERICA
Location: Vernon
Date: November, 1970

Box 41, #6213 **ALUMINUM EXTRUSION**
Location: Los Angeles, California
Date: May, 1970
Install refractory lining in 40,000 melting furnace and 2,800 holding furnace.

Box 13, #6451 Public Carbon Products
AMAX CORP.
Location: Bakersfield, California
Date: 1971
Design and construct two metallurgical coke kelms. (Two full files with blueprints).

Box 36, #3826 **AMERICAN CAN COMPANY**
Location: Wilmington
Date: January-March, 1966

Box 2, #2877 **AMERICAN GYPSUM COMPANY**
Location: Albuquerque, New Mexico
Date: January, 1984
(illegible)

Box 45, #8218 **AMERICAN KING COMPANY**
Location: Los Angeles
Date: April, 1974
Repairs to #3 furnace.

No Box, #2325 **AMERICAN OIL COMPANY**
Location: Yorktown, Virginia
Date: 1964
Supply one hot gas bypass valve.

Box 34, #7297 **AMETEK ALUMINUM**
Location: Los Angeles, California
Date: August, 1972
Repair charging door jambs and sell 50,000# melting furnace.
(A) Rework of door joints and seals for previous repair job.

Box 40, #6995 **AMETEK ALUMINUM EXTRUSION CORPORATION**
Location: Los Angeles
Date: January, 1972

Box 45, #8200 **AMETEC ALUMINUM**
Location: Los Angeles
Date: December, 1974
Refractory lining for 40,000 melting furnace.

Box 31, #8661 **ANACONDA AMERICAN BRASS**
Location: Paramount
Date: January, 1975
Ram 1

Box 45, #8414 **ANACONDA AMERICAN BRASS**
Location: Paramount
Date: September, 1974
Tear out two lowercases of cash shop furnace.

Box 45, #8498 **ANACONDA AMERICAN BRASS**
Location:
Date: October, 1974
Repair crucible.

Box 45, #8506 **ANACONDA AMERICAN BRASS**
Location: Paramount
Date: November, 1974
Ram two inductors.

Box 30, #9128 **APEX SMELTING CORPORATION**
Location: Long Beach
Date: January, 1976

Box 22, #8170 **APROS-VULCAN BENTON**
Location: Arkansas
Date: November, 1974
Design and construct one 80,000 aluminum melting furnace.

Box 31, #8710 **A. APROS**
Location:
Date: October-November, 1975
Lining for dryer, combustion collector and miscellaneous ducts and sheets.

Box 31, #8710 **A. APROS, VULCAN MATERIALS**
Location: Benton, Arkansas
Date:
Design and construct one special 80,000 aluminum melting furnace.

Box 14, #6779 Ralph M. Parsons Construction Co.
AQUITAINE COMPANY
Location: Canada
Ram River (Canada)
Date: November, 1971
Design and construct one waste gas incinerator.
(A) Repairs to buffalo forge bower.
Two files with blueprints.

Box 18, #7604 Chicago Bridge and Iron Company
ARCO
Location: Carson, California
Date: May, 1973
Refractory repairs FCC regenerator.

Box 37, #7824 **ARCO**
Location: Wilmington, California
Date: February, 1974
Build scaffold on tcc #1 and tcc #2 de flores heater.

Box 39, #7625 **ARCO**
Location: Carson
Date: April-June, 1973
Repairs to C.O. boiler.

Box 41, #6123 National Supply Company, Division of **ARCO STEEL**
Location: Torrance
Date: February, 1970
Repair H to transfer line.
(A) Repair primary reformer.

Box 14, #6881 **ARIZONA PORTLAND CEMENT**
Location: Rillitl, Arizona
Date: February, 1972
Design and construct air heater.

Box 37, #7766 **ARMCO STEEL**
Location: Torrance, California
Date: October, 1973
Design and construct portable heat treating furnace. "Pre-heat hood."

Box 44, #5100 **ARMCO STEEL NATIONAL SUPPLY DIVISION**
Location: Torrance
Date: October, 1968
Design and construct 22' x 30' car bottom heat treat furnace.
(A) Place insulating capsule in furnace floor.

Box 20, #7768 Ortloff Corporation
Location: Arkansas
ASHLY LOUISIANA GAS COMPANY (SHREVEPORT, LA)
Location: Arapaho, Oklahoma
Date: October, 1973
170' exhaust dock

Box 1, #1496 **ASSOCIATED INSULATION COMPANY**
Standard Oil Company
Location: Barbers RT Hawaii
Date: 1962
Refractory linings in FCC unit; file contains drawings.

Box 5, #4248

Brof. Inc.
Location: Minneapolis, Minnesota
Ralph M. Parsons Co.
ATLANTIC RICHFIELD CO.
Location: Watson, California
Date: November, 1966
Furnished and installed lining in reformer gas cooler.

Box 30, #9200

ATLANTIC RICHFIELD CORPORATION
Location: Wilmington
Date: June, 1976

Box 31, #8720

ATLANTIC RICHFIELD COMPANY
Location: Wilmington
Date: April, 1975
Refractory repairs.

Box 45, #8268

ATLANTIC RICHFIELD
Location: Carson
Date: May, 1974
Repairs to #1 coker furnace.

Box 45, #8512

ATLANTIC RICHFIELD
Location: Wilmington
Date: October, 1974
Repairs to rayco furnace.

Box 17, #7331

ATOMICS INTERNATIONAL DIVISION
American Rockwell
Location:
Date: January, 1970 to January, 1973
Design and supply preheater and combustor.
(A) Design and supply ducting between vessel for molten salt testing facility.
(B) Labor and some material to install refractory lining in vessel.
(C) Furnish extra equipment and material.

Box 13, #6420

Ralph M. Parsons Co.
BAMFF OIL LTD.
Location: Alberta, Canada
Date: January, 1972
Design and supply one waste gas incinerator and breaching. (Voluminous documents with blueprints).

Box 6, #4716

Ralph M. Parsons Co.
BANFF OIL LTD.
Location: Alberta, Canada
Date: January, 1968
Design and supply gas incinerator.

Box 2, #3061

BARTLETT PACIFIC INC.
Holly Sugar
Location: Rolley
Date: May, 1962
Install lining in hearth; Pacific furnace.

Box 20, #7920

Arthur G. McKee and Co.
Exxon Co.
BAYWAY REFINERY
Location: Lindon, New Jersey
Date: July, 1974
Design and construct waste gas incinerator.
(A) Supply extra material. (Two files)

Box 21, #8389

Arthur G. McKee and Co.
Exxon Co. USA
BAYWAY REFINERY
Location: Lindon, New Jersey
Date: March, 1975
Design and supply combustor.

Box 2, #2901

BECHTEL CORPORATION
Wilshire Oil Company
Location: Santa Fe Springs, California
Date: March, 1964
Work on waste gas incinerator.

Box 6, #4900

BECHTEL CORPORATION
Location: San Francisco, California
Renolds Metal
Location: Mountain View, Washington
Date: May 1968
Provided labor to install refractory in holding furnaces; provided labor and equipment to check brick sizes.

Box 7, #5078 **BECHTEL CORPORATION**
Renolds Metal
Location: Long View, Washington
Date: May, 1968
Furnished labor and equipment to install refractory lining in crucible preheaters.

Box 46, #5456 **BECHTEL CORPORATION,** and Standard Oil Company
Location: El Segundo
Date: July, 1969

Box 30, #9312 **BETHLEHEM STEEL**
Location: Vernon
Date: June, 1976

Box 37, #7775 **BETHLEHEM STEEL**
Location: Wilmington, California
Date: August, 1973
Labor and material to repair 12" mill
**********furnace-**DETRICK** roof.

Box 39, #7595 **BETHLEHEM STEEL CORPORATION**
Location: Vernon
Date: March, 1973
Repair acid brick lining.

Box 39, #7645 **BETHLEHEM STEEL**
Location: Vernon
Date: Approximately August, 1973
Repair 12" mill furnace roof.

Box 40, #6810 **BETHLEHEM STEEL**
Location: Vernon
Date: September, 1971
Note: Large job file.

Box 45, #8251 **BETHLEHEM STEEL COMPANY**
Location: Los Angeles
Date: August, 1974
Supply and design materials to modify 10" billot heating furnace.

No Box, #4563 **BETHLEHEM STEEL CORPORATION**
Location: Vernon
Date:
Reline south acid pickling tank at wire department.

Box 31, #8754 **BIRD AND SONS**
Location: Wilmington
Date: May, 1975
Modify and repair refractory piping system.

Box 1, #1342

C.F. BRAUN & COMPANY
Collier Carbon & Chemical Company
Location: Wilmington, California
Date:

Box 2, #2997

C.F. BRAUN
Union Oil Co.
Location: Wilmington, California
Date: April-July, 1964
Construct lining for one selan heater and four Foster Wheeler heaters; remove and replace refractory lining in B201 and B203 heater; provide labor and material to repair refractory lining in B101 and B204.

Box 3, #2170

C.F. BRAUN AND COMPANY
US Borax and Chemical Corporation
Location:
Date: March, 1965
Design and construct #6AC melting furnace.

Box 3, #3415

C.F. BRAUN AND CO.
Shell Oil Co.
Location: Wilmington, California
Date: February, 1965
Installed lining in one Foster Wheeler heater and one petrokem heater; also made repair to combustion section of Foster Wheeler heater.

Box 8, #5540

C.F. BRAUN AND COMPANY
Union Oil Company
Location: Lamonte, Illinois
Date: October, 1969
Provided refractory lining for two trains at the RM Parsons Plant.

Box 22, #8780

CF BRAUN
Location:
Date:
Fittings for Collier Carbon and Chem.

Box 31, #8745

CF BRAUN, STANDARD OIL COMPANY
Location: El Segundo
Date: May, 1975
Labor only to install lining in flaregas ground flare.

Box 46, #5390

CF BRAUN AND CO., GLIDDEN-DURKEE DIVISION
Location: Baltimore, Maryland
Date: April, 1969

Box 5, #4248

BROF. INC.
Location: Minneapolis, Minnesota
Ralph M. Parsons Co.
Atlantic Richfield Co.
Location: Watson, California
Date: November, 1966
Furnished and installed lining in reformer gas cooler.

Box 1, #2129 **CALIFORNIA PORTLAND CEMENT**
Location:
Date: 1963
Install lining in two rotary kelms.

Box 1, #2130 **CALIFORNIA PORTLAND CEMENT**
Location: Colton, California
Date:
Construct two firing hood linings.

Box 1, #2131 **CALIFORNIA PORTLAND CEMENT**
Location: Colton, California
Date:
Construct two cooler linings.

Box 11, #6375 **CAN COMPANY**
Location: Passaic, New Jersey
Date: March, April, June, December, 1971
Design and construct 9,000 SCFM furnace incinerator plant 30.
(A) Sealed installation.
(B) Spare parts kit.

Box 15, #7000 **CAN COMPANY**
Corporate Purchasing
Location: New York
Date: June, August, 1972
Blanket order 15 incinerators 3000 SCFM fume incinerators, Portland, Oregon.

Box 3, #3356 **CANADIAN BECHTEL LTD.**
Location: San Francisco, California
Great Canadian Oil Fans Project
Location : Alberta, Canada
Date: 1967
Design and construct waste gas incinerators and furnish spare parts.

Box 33, #7500 **CARLTON FORGE WORKS**
Location: Paramount, California
Date: September, 1973
Design and construct one car bottom forge furnace. Repair brick in two doors and two
**********DETRICK arches.

Box 4, #3458 **CASCADE CARBON CO.**
Location: Bakersfield, California
Date: March, 1965
Designed and constructed one fume burner; furnished SS basket chip; removed and replaced two curtain wall linings.

Box 30, #9198 **CELOTEX**
Location: Los Angeles
Date: April, 1976

Box 46, #5386 **CHEMICAL MILLING INTERNATIONAL CORPORATION**
Location: El Segundo
Date: October, 1968

Box 9, #5969 Ralph M. Parsons Co.
CHEVRON STANDARD OIL, LTD.
Location: Alberta, Canada
Date: October, 1970
Designed and supplied two waste gas incinerators.

Box 1, #1635 **CHICAGO BRIDGE AND IRON COMPANY**
Wilshire Oil Company
Location: Norwalk, California
Date: August, 1961
Provided labor and material to install refractory linings and revamp of FCC regenerator; also did repairs to linings.

Box 5, #4391 **CHICAGO BRIDGE AND IRON COMPANY**
Location: Salt Lake City
Shell Oil Company
Location: Washington
Date: April, 1967
Provided refractory labor on cat. and cracker turnaround.

Box 18, #7604 **CHICAGO BRIDGE AND IRON COMPANY**
Arco
Location: Carson, California
Date: May, 1973
Refractory repairs FCC regenerator.

Box 41, #6055 Horton Process Division
CHICAGO BRIDGE AND IRON
Pozzolan Products Casmalia California
Location: Oakbrook, Illinois
Date: June, 1970
(A) Labor and materials/miscellaneous repair work above reactor orifice plates.
(B) Reactor orifice plate/install refractory lining in duct work and cyclone.

No Box, #4824 **IM CHRISTENSEN AND ASSOCIATES**
Location: La Crescenta
Date:
Install front wall in keeler boiler.

Box 15, #6900
Jacob's Engineering
COKER CHEMICAL COMPANY
Location: Searles Lake, California
Date: March, 1972 - March, 1975
Design and construct melting furnace
(3) files.

Box 1, #1342
C.F. Braun & Company
COLLIER CARBON & CHEMICAL COMPANY
Location: Wilmington, California
Date:

Box 30, #9065
COLLIER CARBON AND CHEMICAL CORPORATION
Location: Wilmington
Date: May, 1976

Box 30, #9073
COLLIER CARBON AND CHEMICAL CORPORATION
Location: Brea
Date: March, 1976

Box 30, #9212
COLLIER CARBON AND CHEMICAL CORPORATION
Location: Santa Maria
Date: April, 1976

Box 31, #8616
COLLIER CARBON AND CHEMICAL
Location: Brea
Date: January, 1974
Rebrick elbow reformer.

Box 32, #4114
COLLIER CARBON AND CHEMICAL CORPORATION
Location: Santa Maria
Date: November, 1966
Furnish and install refractory lining in new kelm.

Box 35, #6595
COLLIER CARBON AND CHEMICAL CORPORATION
Location: Brea
Date: February, 1971

Box 38, #5978
COLLIER CARBON AND CHEMICAL CORPORATION
Location: Santa Maria
Date: February, 1970

Box 38, #5674
COLLIER CARBON AND CHEMICAL CORPORATION
Location: Brea
Date: May, 1969

Box 40, #6843
COLLIER CARBON AND CHEMICAL CORPORATION
Location: Wilmington
Date: November, 1971

Box 41, #6158 **COLLIER CARBON AND CHEMICAL CORPORATION**
Location: Brea, California
Date: March, 1970
Labor only to install paco lining in #2950 Press Forge furnace.

No Box, #4786 **COLLIER CARBON AND CHEMICAL COMPANY**
Location: Santa Monica
Date:
Repair calciner.

Box 30, #9291 **COMMERCIAL ENAMELING**
Location: Los Angeles
Date: June, 1972

Box 19, #7700 **CONNOCO (CONTINENTAL OIL COMPANY)**
Location: Lake Charles, Louisiana
Date: Approximately November, 1973
********** Design **DETRICK** wall and arch materials for coke calcining incinerator.

Box 3, #2269 **CONTINENTAL CAN COMPANY**
Location: Los Angeles, California
Date:
Design and construct two lithograph ovens, fume burners and other files containing drawings.

Box 5, #4390 **CONTINENTAL CAN COMPANY**
Location: Van Nuys
Date: July 1967
Designed and constructed on air pollution afterburner.

Box 6, #4500 **CONTINENTAL CAN COMPANY**
Location: Commerce
Date:
Designed and constructed 13,000 SCFM fume burners.

Box 7, #5000 **CONTINENTAL CAN COMPANY**
Location: Commerce
Date: August, 1968
Designed and constructed air pollution afterburners for lines 4 and 5.

Box 8, #5300-A **CONTINENTAL CAN COMPANY**
Location: Tittscury, California
Date: May, 1970
Provided modification to existing 24,000 SCFM fume incinerator at Tittscury.

Box 8, #5310

CONTINENTAL CAN COMPANY
Location: Hayward, California
Date: 1968-69
Designed and constructed one 12,000 SCFM fume burner.

Box 9, #5800

CONTINENTAL CAN COMPANY
White Cap Plant
Location: Hayward, California
Date: November, 1969
Designed and constructed 8,500 SCFM folded chamber type fume incinerators.

Box 11, #6352

CONTINENTAL CAN COMPANY
Location: Hayward, California
Date: April, 1971
Repair 12,000 SCFM furnace incinerator.

Box 16, #7111

CONTINENTAL CAN COMPANY
Location: Olympia, Washington
Date: August, 1972
Design and construct 12,000 SCFM incinerator.
(A) Startup.
(B) Spare parts.

Box 16, #7170

CONTINENTAL CAN COMPANY
Location: Carson, New Jersey
Date: December, 1972 and April, 1973
Design and construct two fume incinerators.
(A) Startup only.
(Files including 13 files and blueprints).

Box 18, #7411

CONTINENTAL CAN COMPANY
Location: Sparrowspoint, Maryland
Date: March, June, 1973 and February, 1974.
Design and construct four 8,000 SCFM fume incinerators and two 10,000 SCFM fume incinerators.

Box 18, #7411
(A, B, & C)

CONTINENTAL CAN COMPANY
Location: Sparrowspoint, Maryland
Date: September, 1974
Modifications to control panels.
(B) Heat exchange rework.
(C) Modify control panels for three units and ship to White Cap Plant (See job #7756-A)
(D) Convert controls for one 8,000 SCFM incinerator to three operator.
(E) Convert one 8,000 SCFM incinerator to catalatic operation.
(F) Retain all units.

(G) Service of erector supervisor for installation of one 8,000 SCM, two 10,000 SCFM incinerators in Chicago P.O. 35T-4940.
(H) Start up for F-7411-E.

Box 18, #7756 Blueprints for **CONTINENTAL CAN COMPANY**

Box 19, #7756 **CONTINENTAL CAN COMPANY**
Location: Chicago, Illinois
Date:
Design and construct one 8,000 SCFM and two 10,000 SCFM fume incinerators.
(A) New design and walls for electrical control.
(B) Heat exchanger rework.

Box 20, #8434 **CONTINENTAL CAN COMPANY**
Plant #462
Location: Sparrow Point, Maryland
Date: September, 1976
Installation of 14,000 SC and fume incinerator.

Box 22, #8439 **CONTINENTAL CAN COMPANY**
Various blueprints.

Box 22, #8440 **CONTINENTAL CAN COMPANY**
Location: Baltimore, Maryland
Date: July, 1975
Fabrication of standard 14,000 CFM incinerator for installation at CCP-16-A.

Box 22, #8444 **CONTINENTAL CAN COMPANY**
Date: September, 1976
Line of catalytic frame for standard incinerator.

Box 41, #6048 **CONTINENTAL CAN COMPANY**
Location: Los Angeles, California
Date: January, 1970
Repair #1 union iron works boiler.

Box 38, #5859 **COPELAND PROCESS CORPORATION**
Pozzolan Products Incorporated
Location: Oakbrook, Illinois
Casmalia, California
Date: September, 1969

Box 14, #6645 **JM COVINGTON CORPORATION**
Location: Bakersfield, California
Date: July, 1971
Design and supply BSP coke cooler.

Box 39, #7692

CROSBY AND OVERTON
Location: Long Beach
Date: May-July, 1973
Reline 14 fireboxes.

Box 45, #8240

DATON FOUNDRY
Location: South Gate
Date: May-June, 1974
2m induction casing.

Box 3, #3370

DORR OLIVER INC.
Port Huenene Serge Disposal Plant
Location: Port Helanee, California
Date: 1965
Install lining and supply and install additional parts to reactors. Repaired insulkote lining.

Box 30, #9213

DOUGLAS OIL
Location: Paramount
Date: April, 1976

No Box, #3913

Sesler and Coffey Incorporated
DOUGLAS OIL COMPANY
Location: Paramount
Date: March, 1966
Burn materials to repair on h2, h3, and h4 furnaces.
(A) Fireproof skirts on columns d6 and d8.

Box 10, #6288

DWG FILE
RM Parsons National Lead Co.
Location: Salt Lake City, Utah
Date: October, 1970
Material and labor to install refractories and magnesium pilot plank.

Box 40, #6910

EMERY INDUSTRIES
Location: City of Commerce
Date: October, 1971

Box 20, #7920

Arthur G. McKee and Co.
EXXON CO.
Bayway Refinery
Location: Lindon, New Jersey
Date: July, 1974
Design and construct waste gas incinerator.
(A) Supply extra material. (Two files)

Box 21, #8389

Arthur G. McKee and Co.
EXXON CO. USA
Bayway Refinery
Location: Lindon, New Jersey
Date: March, 1975
Design and supply combustor.

Box 21, #8390

Arthur G. McKee and Co.
EXXON CO. USA
Baton Rouge Refinery
Date: March, 1975

Box 42, #3094 **FEDERATED METALS**
Location: Los Angeles
Date: May, 1964
Rebuild stack #2 brass furnace.

No Box, #3463 **FEDERATED METALS**
Location: Vernon, California
Date: Approximately March, 1965
Repairs to aluminum furnace.

No Box, #4555 **FEDERATED METALS**
Location: Vernon
Date:
Repair #2 brass revert.

Box 43, #8130 **FELCO**
Location: Canoga Park
Date: February-March, 1974
Supply and design material to install refractory lining in fire sodium heater.

Box 32, #4375 **FIBREBOARD PRODUCTS COMPANY**
Location: Vernon
Date: January, 1967
Repair to roof arch on #5 boiler.

Box 11, #6388 **FISH ENGINEERING (HOUSTON)**
JT Thorpe Co. (Houston)
Panhandle Eastern Co. (Kansas City, Missouri)
Location:
Date:
Design fume incinerator (approximately November, 1970) (File contains primarily blueprints).

Box 7, #5260 J.T. Thorpe Co.
FLOOR CORPORATION
Marathon Oil
Location: Burghausen, Germany
Date:
Engineering study on wulff process furnaces.

Box 10, #6270 **FLOOR CORPORATION**
Mobil Oil Corporation
Location: Jolia, Illinois
Date: May, 1971, October 1972
Start up assistance and supply 2 sulfur furnaces.

Box 14, #6737

JT Thorpe Co. (Houston)
FLOOR (LOS ANGELES)
Mobil Oil Corp. (Beaumont, Texas)
Location:
Date:
Refractory lining for new FCC unit.

Box 20, #8038

THE FLOOR CORPORATION LIMITED
Standard Oil Company, California
Location: El Segundo, California
Date:
Gunite linings for regenerator and reactor.
(A) Lining for cyclones catalyst U-bend flue-gas lines and flue-gas coolers.

Box 1, #1556

FOSTER WHEELER CORPORATION
Texaco Incorporated
Wilmington, California
Date: April, 1961
Install refractory linings in FW fired heaters; provided labor and material to install six inch hollow tiles on fired heater H1 and H2.

No Box, #3897 **GENERAL ALUMINUM**
Location: Torrance
Date: March, 1965
Enlarge and modify 16,000 aluminum melting furnaces with 40,000 capacity.

Box 38, #5945 **GENERAL WELDING COMPANY**
Location: Alhambra
Date: November, 1969

Box 35, #6304 **GLASS CONTAINERS**
Location: Los Angeles
Date: June, 1970

Box 36, #3824 **GLASS CONTAINERS CORPORATION**
Location: Vernon
Date: December, 1965

Box 43, #7955 **GLASS CONTAINERS CORPORATION**
Location: Vernon
Date: December, 1973
Rebuild #1 furnace.
Note: Large job file.

Box 43, #7964 **GLASS CONTAINER**
Location: Vernon
Date: November, 1973

Box 43, #8003 **GLASS CONTAINER**
Location: Vernon
Date: December, 1973-February, 1974
Extra work on checkers.

Box 45, #8219 **GLASS CONTAINER COMPANY**
Location: Los Angeles
Date: April, 1974
Repairs to tank #2.

No Box, #3311 **GLASS CONTAINER COMPANY** H-001
Location: Fullerton
Date: December, 1964

Box 35, #6454 **W.R. GRACE AND COMPANY, DAVISON CHEMICAL DIV.**
Location: South Gate
Date: December, 1970

Box 30, #8931 **GREAT LAKES CARBON**
Location: Wilmington
Date: August, 1975

Box 34, #7415 **GREAT LAKES CARBON**
Location: Wilmington, California
Date: Nobember, 1972
Insulate #2 stack.

Box 34, #7435 **GREAT LAKES CARBON**
Location: Wilmington, California
Date: December, 1972
Plate #3 stack.

Box 36, #6551 **GREAT LAKES CARBON COMPANY**
Location: Lompoc
Date: August, 1965

Box 34, # 7063 **GREAT LAKES**
Location: Wilmington, California
Date: March, 1972
Repair to #2 kiln firing hood and discharge chute. Repairs to settling chamber.

Box 38, #5931 **GREFCO**
Location: Lompoc
Date: October, 1969

Box 7, #5053 **GULF OIL CORPORATION**
Location: Santa Fe Springs
Date: April, 1968
Filled conn. of new sections of regenerator - flue gas lines; performed miscellaneous repairs to flue gas and also repaired feed prikenter furnaces; made repairs to CO boiler.

Box 10, #6176 **GULF OIL COMPANY**
Location: Norwalk, California
Date: April, 1970
Repair cat cracker.
(A) Repair seal boiler.
(B) Repair refiner heater.
(C) Repair crude heater.
(D) Repair PH-2 platform.
(E) Repair CCH-2 heater.
(F) Repair H-CH-1 and H-CH-2 heater.
(G) Repair G-H-1 heater.
(H) Repair TP51 sour water oxidizer.

Box 18, #7587 **GULF OIL COMPANY**
Location: Santa Fe Springs, California
Date: March and April, 1973
Repairs to regenerator and flue gas lines.
(A) Repairs to cat. cracker feed heaters #H1A and #H1B.
(B) Repairs to C.O. boiler.

(C) Repairs to incinerator HCH 1 and 2.
(D) Repairs to HCH 1 heater.
(E) Repairs to RH-1B and RH-1C heater.
(F) Repairs to hydrogen heater.

Box 33, #7527

GULF OIL
Location: Santa Fe Springs, California
Date: April, 1973
Supply and install refractory materials for duct lining and heater modification.
(A) Two inch lining with 54-inch ducts and replace with #4 lining.

Box 1, #2100 — Swindell Dressler Corporation
HAGANSBUT COMPANY
Location: Tina, California
Date: January, 1962
Construct tunnel and replace inside concrete slabs.

Box 36, #3852 — **HALE HEAT TREATING COMPANY**
Location: Paramount
Date: February-June, 1966
May-June, 1967

Box 36, #3851 — **HALE HEAT TREATING COMPANY**
Location: Paramount
Date: January-March, 1966

Box 32, #4221 — **HALL HAST PLEATING COMPANY**
Location: Paramount
Date: July, 1967
Design and construct one 6' x 16' draw furnace.

No Box, #4441 — **HALL HAST TREATING COMPANY**
Location: Paramount
Date:
Design and construct one 7' x 13' heat treating furnace.

No Box, #4994 — **HALL HEAT TREATING**
Location: Paramount
Date:
Repair #8 furnace.

Box 46, #5138 — **THEODORE HAMM BREWING COMPANY**
Location: Los Angeles
Date: July, 1968

Box 10, #6325 — Drawings for a job at **HARVEY ALUMINUM**
Location:
Date:

Box 32, #4400 — **HARVEY ALUMINUM**
Location: Torrance
Date: February, 1967
Repair #5 furnace.

Box 38, #5988 — **HARVEY ALUMINUM**
Location: Torrance
Date: December, 1969

Box 38, #5967 — **HARVEY ALUMINUM**
Location: Torrance
Date: November, 1969

Box 38, #5958 **HARVEY ALUMINUM**
Location: Torrance
Date: November, 1969

Box 38, #5953 **HARVEY ALUMINUM**
Location: Torrance
Date: October, 1969

Box 41, #6163 **HARVEY ALUMINUM**
Location: Torrance
Date: March, 1970
Labor to repair #1 foil mill furnace.

Box 41, #6239 **HARVEY ALUMINUM**
Location: Torrance, California
Date: May, 1970
Labor to repair #1 furnace.

Box 41, #6264 **HARVEY ALUMINUM**
Location: Torrance, California
Date: May, 1970
Labor to repair #2 oil furnace.

Box 41, #6296 **HARVEY ALUMINUM**
Location: Torrance, California
Date: July, 1970
Labor to repair #5 furnace.

Box 46, #5375 **HARVEY ALUMINUM**
Location: Torrance
Date: October, 1968

No Box, #3236 **HARVEY ALUMINUM, INC.**
Location: Torrance
Date: August, 1964
Install refractories in #8, remelt furnace.

No Box, #4026 **HARVEY ALUMINUM, INC.**
Location: Torrance
Date: 1966
Labor only to repair #3 lever furnace.

No Box, #4947 **HARVEY ALUMINUM**
Location: Torrance
Date:
Labor to repair #4 Ajax holder.

No Box, #4954 **HARVEY ALUMINUM**
Location: Torrance
Date:
Labor to repair #2 furnace.

Box 35, #6325 **HARVEY ALUMINUM OF WASHINGTON**
Location: Torrance
Date: Approximately July-September, 1971

Box 30, #9154 **HIGGINS BRICK CORPORATION**
Location: Chino
Date: February, 1976

Box 33, #7519 **HITCO FURNACE**
Location: Torrance, California
Date: January, 1973
**********Furnish **DETRICK** arch for luminous wall, ceramic fabric furnace.

Box 2, #3061 Bartlett Pacific Inc.
HOLLY SUGAR
Location: Rolley
Date: May, 1962
Install lining in hearth; Pacific furnace.

Box 20, #7492 **HOLLY SUGAR**
Location: Rolley, California
Date: January, 1974
Repairs to #1 and #2 dryer furnace
(A) Refractory installation on seven burners, on dryers #1, #2, and #3.
(B) Extra work.

Box 37, #7910 **HOPPING FOUNDRY**
Location: Pasadena, California
Date: October, 1973
Tear out and install refractory in rotary hearth furnace.

Box 41, #6055 **HORTON PROCESS DIVISION**
Chicago Bridge and Iron
Pozzolan Products Casmalia California
Location: Oakbrook, Illinois
Date: June, 1970
(A) Labor and materials/miscellaneous repair work above reactor orifice plates.
(B) Reactor orifice plate/install refractory lining in duct work and cyclone.

Box 3, #3398 Ralph M. Parsons Construction Co.
Location: Canada
HUDSON BAY OIL AND GAS CO. LTD.
Location: Alberta, Canada
Date:
Drawings.

Box 9, #5752

Ralph M. Parsons
Location: Canada
HUDSON BAY OIL AND GAS CO.
Location: Edson, Alberta, Canada
Date: June, 1969
Provided engineering to modify fume incinerator.

No Box, #4803

HUGHES AIRCRAFT
Location: Culver City
Date:
Repair brick work setting on B&W glass R #24 boiler.

No Box, #3480

HUNT'S FOODS INDUSTRIES, INC.
Location: Fullerton
Date: Approximately April, 1965
Repairs to boilers # 6-10.

Box 4, #4017

Ralph M. Parsons Co.
IMPERIAL OIL ENTERPRISES, LTD.
Location: Sarnia, Ontario, Canada
Date: 1967
Designed and supplied one waste gas incinerator.

Box 32, #4149

INTERNATIONAL EXTRUSION CORPORATION
Location: Alhambra
Date: June, 1967
Design and construct one aluminum 80,000 homogenizing furnace.

Box 33, #7472

INTERNATIONAL EXTRUSION
Location: Alhambra, California
Date: March, 1973
Construct 90,000 homogenizing furnace.

Box 38, #5987

INTERNATIONAL EXTRUSION
Location: Alhambra
Date: December, 1969

Box 36, #3662

INTERPACE
Location: South Gate
Date: August-September, 1965

Box 39, #7569

INTERPACE
Location: Glendale
Date: April-June, 1973
Repair pottery #25.

Box 8, #5540 **JACOB ENGINEERING IN PASADENA**
US Borax and Chemical Corporation
Location:
Date: May, 1970
Designed and constructed new #FAB furnace.

Box 15, #6900 **JACOB'S ENGINEERING**
Coker Chemical Company
Location: Searles Lake, California
Date: March, 1972 - March, 1975
Design and construct melting furnace
(3) files.

Box 31, #8579 **JORGENSEN STEEL**
Location: Los Angeles
Date: December, 1974
Repairs to #2 boiler.

Box 31, #8742 **JORGENSEN STEEL**
Location: Los Angeles
Date: April, 1975
Remove and replace floor complete #5 furnace.

Box 37, #7924 **JORGENSEN STEEL**
Location: Los Angeles
Date: November, 1973
Repair to South 7 1/2 furnace.

Box 38, #5933 **JORGENSEN STEEL**
Location: Los Angeles
Date: October, 1969

Box 31, #8650 **EARLE M. JORGENSEN**
Location: Seattle
Date: May-June, 1975
Design and construct 18' by 21' carbottom forge furnace.

Box 34, #7086 **EARLE M. JORGENSEN COMPANY**
Location: Seattle, Washington
Date: Approximately April, 1972
Brick repairs to furnaces #10 & #11

Box 40, #6868 **EARLE M. JORGENSON CORPORATION**
Location: Seattle
Date: February, 1972

No Box, #3444 **EARLE M. JORGENSON**
Location: Los Angeles
Date: Approximately July, 1965
Design and construct 10 x 17 press force furnaces.

Box 34, #7171

E.M. JORGENSEN COMPANY
Location: Seattle, Washington
Date: June, 1972
Construct 15' x 38" car bottom heat treat furnace.

Box 41, #6236

E.M. JORGENSON COMPANY
Location: Los Angeles
Date: May, 1970
Repair #6 press furnace.

Box 33, #7517

JORGENSEN
Location: Los Angeles, California
Date: January, 1973
Repair to #3 furnace.

Box 2, #2991

JOSLIN PACIFIC COMPANY
Location: Vernon, California
Date: March, 1964
Design and construct brick enclosures for #2 galvanizing kettle.

Box 39, #7707

JOSLYN PACIFIC
Location: Dominguez
Date: December, 1973
Supply and install 2 galvanizing rotiles.
Note: Large file.

Box 36, #3822 **KAISER CEMENT AND GYPSUM CORPORATION**
Location: Cushenbury
Date: December, 1965

Box 2, #2393 **KAISER ENGINEERS**
Location: Cushenbury, California
Date:
Permanent cement cushion. Additional blueprints.

No Box, #3381 **KAISER GYPSUM**
Location: Long Beach
Date: March, 1965
Rebrick calcining kettle #1.

Box 32, #4150 **KAISER REFRACTORIES, ALLISON STEEL**
Location: Tempe, Arizona
Date: September, 1966
Rebuild side walls and reheat furnace.

Box 31, #8901 **KAISER STEEL**
Location: Fontana
Date: October, 1975
Design and construct furnace.

Box 32, #4100 **KAISER STEEL CORPORATION**
Location: Fontana
Date: November, 1966-January, 1967
Design and construct stress relieving furnace.

Box 35, #6475 **KAISER STEEL COMPANY**
Location: Fontana
Date: November, 1970-January, 1971

No Box, #4100 **KAISER STEEL CORPORATION**
Location: Fontana
Date: January, 1967
Design and construct stress relieving furnace.

No Box, #4760 **KAY-BRUNNER STEEL PRODUCTS**
Location:
Date:
Repair #2 annealing furnace.

Box 45, #8273 **MW KELLOG**
Location: Paramount
Date: July, 1974
Repairs to stress relieving furnace.

Box 30, #9237 **KERR GLASS**
Location: Santa Ana
Date: April, 1976

Box 41, #6215 **KERR GLASS**
Location: Santa Ana, California
Date: May, 1970
Repair regenerator.

Box 43, #8039 **KERR GLASS**
Location: Santa Ana
Date: February, 1974
Tank rebuild.

Box 44, #5026 **ALEXANDER H. KERR COMPANY**
Location: Santa Ana, California
Date: June, 1968
Rebuild glass tank.
(A) Construct arch contour and supports.

Box 41, #6089 **MORRIS P. KIRK,** Division of Pioneer Aluminum
Location: Long Beach, California
Date: March, July 1970
Design and construct #1 aluminum chip melting furnace.

Box 30, #8979 **H. KRAMER**
Location: El Segundo
Date: October, 1975

Box 30, #9309 **H. KRAMER CORPORATION**
Location: El Segundo
Date: July, 1976

Box 33, #7488 **H. KRAMER COMPANY**
Location: El Segundo, California
Date: January, 1973
Repair to #1 reverb.

Box 36, #3771 **H. KRAMER COMPANY**
Location: El Segundo
Date: November 1965-January 1966

Box 37, #7874 **H. KRAMER AND COMPANY**
Location: El Segundo, California
Date: November, 1973
Repair #1 reverb.

Box 39, #7586 **H. KRAMER AND CO.**
Location: El Segundo
Date: March 16, 1973
Reline #1 rotary furnace.

Box 39, #7635 **H. KRAMER AND CO.**
Location: El Segundo
Date: April, 1973
Repair flue.

Box 43, #8132 **H. KRAMER AND COMPANY**
Location: El Segundo
Date: March-April, 1974
Repairs to #3 reverb.

Box 45, #8457 **H. KRAMER AND COMPANY**
Location: El Segundo
Date: September, 1974
Repair to flue.

Box 41, #6060 **LATCHFORD GLASS**
Location: None given
Date: January, 1970

Box 40, #6842 **L.W. LEFORT CORPORATION**
Location: Anaheim
Date: September, 1971

Box 14, #6585 **LIANCO CONTAINERS CORP.**
Location: Chicago, Illinois
St. Louis, Missouri
Date: November 1971, February 1972, March 1972
Design and supply two 15,000 SCFM fume incinerators.
(A) Installation.
(B) Spare parts.

Box 39, #7723 **LIGHT WEIGHT PROCESSING COMPANY**
Location: Ventura
Date: June, 1973
Repair to #11 kiom lining.

Box 7, #5260
J.T. Thorpe Co.
Fluor Corporation
MARATHON OIL
Location: Burghausen, Germany
Date:
Engineering study on wulff process furnaces.

Box 33, #7522
MARATHON STEEL COMPANY
Location: Tempe, Arizona
Date: June, 1973
Supply labor and material to reline biloet-heating furnace.

Box 37, #7936
MARIETTA ALUMINUM
Location: Torrance, California
Date: December, 1973
Repairs to ajax furnace.

Box 30, #8956
MARTIN MARIETTA ALUMINUM
Location: Torrance
Date: October, 1975

Box 30, #9076
MARTIN MARIETTA ALUMINUM
Location: Torrance
Date: January, 1976

Box 31, #8535
MARTIN MARIETTA ALUMINUM
Location: Torrance
Date: November, 1974
Repair to #11 revert furnace

Box 31, #8563
MARTIN MARIETTA ALUMINUM
Location: Torrance
Date: November, 1974
Repairs to #2 furnace.

Box 31, #8766
MARTIN MARIETTA ALUMINUM
Location: Torrance
Date: April, 1975
Necessary repair to #1 furnace.

Box 33, #7511
MARTIN MARIETTA ALUMINUM
Location: Torrance, California
Date: January, 1973
Repairs to #10 furnace.

Box 39, #7600
MARTIN MARIETTA ALUMINUM
Location: Torrance
Date: April-May, 1973
Repair #9 furnace.

Box 39, #7684 **MARTIN MARIETTA ALUMINUM**
Location: Carson
Date: June, 1973
Repairs to cooler section.

Box 39, #7687 **MARTIN MARIETTA ALUMINUM**
Location: Carson
Date: June, 1973
Repairs to cooler section.

Box 39, #7705 **MARTIN MARIETTA ALUMINUM**
Location: Torrance
Date: May, 1973
Repairs to #11 furnace.

Box 39, #7719 **MARTIN MARIETTA ALUMINUM**
Location: Torrance
Date: June, 1973
Repairs to #8 furnace.

Box 43, #8104 **MARTIN MARIETTA ALUMINUM**
Location: Torrance
Date: May, 1974
Labor and material for #8 aluminum reverb.

Box 43, #8159 **MARTIN MARIETTA ALUMINUM**
Location: Torrance
Date: March, 1974
Repairs to #6 furnace.

Box 43, #8164 **MARTIN MARIETTA ALUMINUM**
Location: Torrance
Date: April, 1974
Repairs to #9 furnace.

Box 45, #8194 **MARTIN MARIETTA ALUMINUM**
Location: Torrance
Date: June, 1974
Supply and install steel for modification of melting furnace.

Box 45, #8285 **MARTIN MARIETTA ALUMINUM**
Location: Torrance
Date: June, 1974
Repair to #11 furnace.

Box 45, #8312 **MARTIN MARIETTA ALUMINUM**
Location: Torrance
Date: June, 1974
Repair to normalizing furnace.

Box 45, #8454 **MARTIN MARIETTA ALUMINUM**
Location: Torrance
Date: September, 1974
Repairs to #9 furnace.

Box 45, #8462 **MARTIN MARIETTA ALUMINUM**
Location: Torrance
Date: October, 1974-March, 1975
Labor and material to modify #4 melter (big job).
Note: Large job file.

Box 45, #8468 **MARTIN MARIETTA ALUMINUM**
Location: Torrnace
Date: October, 1974
Furnish one Ajax furnace.

Box 45, #8478 **MARTIN MARIETTA ALUMINUM**
Location: Torrnace
Date: October, 1974
Repairs to #10 power furnace.

Box 34, #7390 **MARTIN MARIETTA**
Location: Torrance, California
Date: November, 1972
Repair to #1 mesta press furnace.

Box 37, #7952 **MARTIN MARIETTA CARBON**
Location: Carson, California
Date: November, 1973
Repair kiln.

Box 34, #7419 Pozzo Construction Company
Location: **MARY'S HOSPITAL**, Long Beach
Date: November, 1972
Repair damage to packaged boiler.

Box 20, #7920 **ARTHUR G. McKEE AND CO.**
Exxon Co.
Bayway Refinery
Location: Lindon, New Jersey
Date: July, 1974
Design and construct waste gas incinerator.
(A) Supply extra material. (Two files)

Box 21, #8389 **ARTHUR G. McKEE AND CO.**
Exxon Co. USA
Bayway Refinery
Location: Lindon, New Jersey
Date: March, 1975
Design and supply combustor.

Box 21, #8390 **ARTHUR G. McKEE AND CO.**
Exxon Co. USA
Baton Rouge Refinery
Date: March, 1975

Box 1, #1397 **RALPH McPHERSON COMPANY**
Richfield Oil
Location:
Date: November, 1960
Install lining in one alcon; fired heater; -one foster wheeler; filed heater and reactors; also tore out and replaced wall on west end; cut brick; replaced bottom in #1 and #2 reformer reactor; labor and material to insulate acid brick in acid pit; ground bottom insulation in two small reactors; packed insulation around boxes; patched FW heater.

Box 1, #1285 **RALPH McPHERSON COMPANY**
Stauffer Chemical Company
Location: Delaware
Date:
Design and material for one waste gas incinerators.

Box 18, #7548 **MISSION CLAY PRODUCTS**
Location: Santa Fe Springs
Date: April, 1973
Supply oil burner systems for four periodic kelms.
(A) Supply safety equipment.

Box 10, #6137 **MOBIL OIL CORPORATION**
Location: Torrance, California
Date: March, 1970
Repair to regenerator
(A) Repair to orifice chamber
(B) Repairs to reactor
(C) Repair to F1 pair heater.

Box 10, #6270 Floor Corporation
MOBIL OIL CORPORATION
Location: Jolia, Illinois
Date: May, 1971, October 1972
Start up assistance and supply 2 sulfur furnaces.

Box 14, #6737
JT Thorpe Co. (Houston)
Floor (Los Angeles)
MOBIL OIL CORP. (BEAUMONT, TEXAS)
Location:
Date:
Refractory lining for new FCC unit.

Box 33, #7465
MOBIL OIL
Location: Torrance, California
Date: March, 1973
Repair regenerator.
(A) Repair reactor riser line.
(B) Repair overhead lines.
(C) Repair orifice.
(D) Repair coal boiler.
(E) Repair regenerator cyclone.
(F) Repair reactor cyclone, etc.

Box 37, #7933
MOBIL OIL
Location: Torrance, California
Date: January-February, 1974
Refractory lining flare stack.

Box 40, #6896
MOBIL OIL CORPORATION
Location: Santa Fe Springs
Date: December, 1971

Box 34, #7300
MONSANTO CHEMICAL
Location: Long Beach, California
Date: August, 1972
Repair to #3 burner.

Box 34, #7302
MONSANTO CHEMICAL
Location: Long Beach, California
Date: August, 1972
Repair to #2 burner.

Box 41, #6009
MONSANTO CHEMICAL
Location: Long Beach, California
Date: December, 1969
Repair calciner combustion unit.

Box 41, #6061
MONSANTO CHEMICAL
Location: Long Beach, California
Date: January, 1970
Repair to #3 burner.

Box 44, #5081
MONSANTO CHEMICAL COMPANY
Location: Long Beach, California
Date: March, 1968
Repair north unit of combustion tunnel.

Box 44, #8234 **MONSANTO CHEMICAL**
Location: Long Beach
Date: May, 1974
Repair to #2 unit.

Box 42, #3136 **CC MOORE AND COMPANY EMPORIUM, SOUTHERN CAL.**
Edison Company
Location: Huntington Beach
Date: June, 1964
Unit UP 4

Box 39, #7721 **MORRIS INDUSTRIES**
Location: Vernon
Date: June, 1973
Repair sun beam furnace.

Box 45, #8261 **MORRIS INDUSTRIES**
Location: Maywood
Date: June, 1974
Repair to #1 hard furnace.

Box 45, #8501 **MORRIS INDUSTRIES**
Location: Maywood
Date: October, 1974
Repair to #2 jaw furnace.

No Box, #3188 **MYERS STRUM COMPANY**
Location: Los Angeles
Date: Approximately July-August, 1974

Box 18, #7424 **NATIONAL ALUMINUM**
Location: Alhambra, California
Date: April-May-August and September, 1973
Design and construct roller hearth glass tempering furnace.
(A) Design and provide furnace modifications.
(B) Repair fire walls.

Box 15, #6934 (Parson's Company) (Louisiana)
NATIONAL LEAD COMPANY
Location: Salt Lake City, Utah
Date: March, 1972
Design and supply system for five magnesium pot furnaces. (Files with blueprints).

Box 41, #6123 **NATIONAL SUPPLY COMPANY,** Division of Arco Steel
Location: Torrance
Date: February, 1970
Repair H to transfer line.
(A) Repair primary reformer.

No Box, #4549 **NATIONAL TANK AND MANUFACTURING COMPANY**
Location: Los Angeles
Date:

No Box, #4835 **NATIONAL TANK AND MANUFACTURING COMPANY**
Location: Los Angeles
Date:
Granite lining, vessel D502

Box 46, #5140 **HUGO NEU-PROLER**
Location: Terminal Island
Date: May, 1968

Box 18, #7747 **NICKELS ENGINEERING AND RESEARCH CORP.**
County Water District
Location: Fountain Valley, California
Date: January and March, 1974
Refractory linings to multiple harth furnace.
(A) Materials supplied.

Box 30, #9073 **N.L. INDUSTRIES**
Location: Los Angeles
Date: January, 1976

Box 30, #9290 **NORRIS INDUSTRIES**
Location: Vernon
Date: June, 1976

Box 37, #7931

NORRIS INDUSTRIES
Location: Maywood, California
Date: November, 1973
Repair to #1 and #2 draw furnaces and #1 and #2 hard furnaces.

Box 38, #5494

NORRIS INDUSTRIES
Location: Vernon
Date: January, 1969

Box 43, #8040

NORRIS INDUSTRIES
Location: Maywood
Date: January, 1974
Repair to #1 hard furnace.

Box 45, #8320

NORRIS INDUSTRIES
Location: Maywood
Date: July, 1974
Repair to #1 pan furnace.

Box 12, #6404

JF Pritchard
NUWAY CHEMICAL COMPANY
Location: Baton Rouge, Louisiana
Date: 1971
Design and construct two 40,000 SCFM phthalicanhydrid incinerators.
(This box contains nothing but Job #6404).

Box 20, #7768

ORTLOFF CORPORATION
Location: Arkansas
Ashly Louisiana Gas Company (Shreveport, LA)
Location: Arapaho, Oklahoma
Date: October, 1973
170' exhaust dock

Box 1, #2062

PACIFIC CLAY PRODUCTS
Location: Santa Fe Springs, California
Date: October, 1961
Repair to floor of perodic kelm; repair to floor kelm.

Box 36, #3736

PACIFIC CRANE AND RIGGING COMPANY
Monsanto Chemical Company
Location: Paramount
Date: December, 1965-February, 1966

Box 30, #8937

PACIFIC SMELTING
Location: Torrance
Date: September, 1975

Box 33, #7516

PACIFIC SMELTING
Location: Torrance, California
Date: February, 1973
Repairs to #1 muffle furnace.

No Box, #3440

PACIFIC SMELTING
Location: Los Angeles
Date of repair: May, 1965
Labor only to repair furnace.

Box 4, #3445

Southern California Gas Company
PACIFIC TOWELL COMPANY
Location: Paramount, California
Date: September, November, 1965
Designed and constructed one circular direct fire tile kelm. File of drawings.

Box 11, #6388

Fish Engineering (Houston)
JT Thorpe Co. (Houston)
PANHANDLE EASTERN CO. (KANSAS CITY, MISSOURI)
Location:
Date:
Design fume incinerator (approximately November, 1970) (File contains primarily blueprints).

Box 1, #1275

RALPH M. PARSONS
Union Oil Company
Location: Wilmington, California
Date: April, 1960
Design and supply one waste gas incinerator. Labor and material to install refractions in breaking between incinerator and stock.

Box 2, #3086

RALPH M. PARSONS CO.
SOCONY Mobil Oil Co.
WINDORNE
Location: Alberta, Canada
Date: November, 1964
Design and supply one waste gas incinerator.
Drawings.

Box 3, #3398

RALPH M. PARSONS CONSTRUCTION CO.
Location: Canada
Hudson Bay Oil and Gas Co. Ltd.
Location: Alberta, Canada
Date:
Drawings.

Box 3, #3405

RALPH M. PARSONS CO.
Shell Oil Co.
Location:
Date: July, 1965
Designed and supplied one waste gas incinerator.

Box 3, #3432

RALPH M. PARSONS CO.
W. Kower Co.
Location: Colombia, South America
Date: June, 1965
Furnished one waste gas incinerator.

Box 4, #3960

RALPH M. PARSONS CO.
PROCON GRAPE LTD.
Location:
Date: September, 1966
Designed and supplied one waste gas incinerator.

Box 4, #4017

RALPH M. PARSONS CO.
Imperial Oil Enterprises, Ltd.
Location: Sarnia, Ontario, Canada
Date: 1967
Designed and supplied one waste gas incinerator.

Box 4, #4064

RALPH M. PARSONS CO.
PETRO GAS PROCESSING, LTD.
Location: Bolzac, Alberta, Canada
Date: 1967
Designed and supplied one waste gas incinerator.

Box 5, #4248

Brof. Inc.
Location: Minneapolis, Minnesota
RALPH M. PARSONS CO.
Atlantic Richfield Co.
Location: Watson, California
Date: November, 1966
Furnished and installed lining in reformer gas cooler.

Box 6, #4716

RALPH M. PARSONS CO.
Banff Oil Ltd.
Location: Alberta, Canada
Date: January, 1968
Design and supply gas incinerator.

Box 6, #4795

RALPH M. PARSONS CO.
Shell Oil Company
Location: Vancouver, BC
Date: May, 1968
Designed and constructed waste gas incinerators.

Box 9, #5523

RALPH M. PARSONS CO.
Standard Oil Company
Location: El Segundo
Date: February-October, 1969
Installed refractory lining, worked on alcorn heaters; repaired #301 heater.

Box 9, #5726

RALPH M. PARSONS CO.
Allied Chemical Co.
Location: El Segundo
Date: September, 1969
Worked on refractory lining and on the sulfur recovery unit.

Box 9, #5752

RALPH M. PARSONS
Location: Canada
Hudson Bay Oil and Gas Co.
Location: Edson, Alberta, Canada
Date: June, 1969
Provided engineering to modify fume incinerator.

Box 9, #5969

RALPH M. PARSONS CO.
Chevron Standard Oil, Ltd.
Location: Alberta, Canada
Date: October, 1970
Designed and supplied two waste gas incinerators.

Box 13, #6420

RALPH M. PARSONS CO.
Bamff Oil Ltd.
Location: Alberta, Canada
Date: January, 1972
Design and supply one waste gas incinerator and breaching. (Voluminous documents with blueprints).

Box 14, #6779

RALPH M. PARSONS CONSTRUCTION CO.
Aquitaine Company
Location: Canada
Ram River (Canada)
Date: November, 1971
Design and construct one waste gas incinerator.
(A) Repairs to buffalo forge bower.
Two files with blueprints.

Box 14, #6875

RALPH M. PARSONS CO.
Standard Oil Co.
Location: El Segundo
Date: January, February, March 1972
Refractory linings sulfur recovery unit.
(A) Furnish material.

Box 17, #7177

RALPH M. PARSONS COMPANY
Location: Los Angeles
Aerial Oil Company
Darknath, Nova Scotia, Canada
Date: September, 1972
Design and construct one waste gas incinerator.

Box 18, #7506

RALPH M. PARSONS
Union Oil Company
Location: Wilmington, California
Date: March, April and May, 1973
Refractory linings - sulfur recovery unit.
(A) Fireproofing vessels #15-1101, #15-1102.
(B) Repair fire walls.

Box 18, #7649

RALPH M. PARSONS
Texaco Inc.
Location:
Date: June, 1973
Refractory lining furnace H751 sulfur recovery unit.

Box 21, #8363

RALPH M. PARSONS CO. ARCO
Location: Carson
Date: March, June, 1975
Design and construct thermal oxidizer.

Box 22, #8682 **RALPH M. PARSONS NORTHERN NATURAL GAS CO.**
Location: Knobbs, New Mexico
Date: November, 1975
Design and supply one thermal oxidizer.

Box 20, #8195 **RALPH AND PARSONS CO.**
Service Oil Co./City Service Oil Co.
Location: Lake Charles, Louisiana
Date: April, 1975
Design and supply thermal oxidizer with stack.
(A) Add electric motor and stock.
(B) Drive motor for weather cap.

Box 20, #8343 **RALPH AND PARSONS**
Standard Oil Company
Location: Toledo, Ohio
Date: April, 1975
Design and supply thermal oxidizer.
(Two folders).

Box 20, #8330 **PARSONS ARCO**
Location: Houston, Texas
Date: August, November 1975
Design and supply thermal oxidizer. (Two files)

Box 15, #6934 **(PARSON'S COMPANY) (LOUISIANA)**
National Lead Company
Location: Salt Lake City, Utah
Date: March, 1972
Design and supply system for five magnesium pot furnaces. (Files with blueprints).

Box 22, #8757 **PARSONS-GURDEN SARCHESHMEN**
Location:
Date: February, 1976
Supply burners and supports.

Box 38, #5972 **PHELPS DODGE COPPER PRODUCTS CORPORATION**
Location: Los Angeles
Date: November, 1969

Box 34, #7225 **PHELPS DODGE CORPORATION**
Location: Morenci, Arizona
Date: July, 1972
Labor only to repair #3 reverb furnace.

Box 37, #7793 **PHELPS DODGE TUBE CORPORATION**
Location: Los Angeles, California
Date: August, 1973
Labor and materials to lower slag door an ascast.

(A) Labor and materials for repair to rest of furnace.

Box 37, #7886 **PHELPS DODGE TUBE COMPANY**
Location: Los Angeles, California
Date: September, 1973
Replace the main arch in #680 annealing furnace.

Box 30, #9083 **PHILADELPHIA QUARTZ**
Location: South Gate
Date: January, 1976

Box 30, #9303 **PHILADELPHIA QUARTZ**
Location: South Gate
Date: June, 1976

Box 31, #8631 **PHILADELPHIA QUARTZ**
Location: South Gate
Date: February, 1975
Necessary repairs to cilacade furnace.

Box 37, #7862 **PHILADELPHIA QUARTZ**
Location: South Gate, California
Date: September, 1973
Repairs to cylicade furnaces.

Box 44, #5004 **PHILADELPHIA QUARTZ, URATZ**
Location: South Gate
Date: February, 1968
Repair cylica furnace.

Box 45, #8421 **PHILADELPHIA QUARTZ**
Location: South Gate
Date: September, 1974
Repairs to cilicade furnace.

Box 41, #6089 Morris P. Kirk, Division of **PIONEER ALUMINUM**
Location: Long Beach, California
Date: March, July 1970
Design and construct #1 aluminum chip melting furnace.

Box 34, #7376 **POWERINE OIL COMPANY**
Location: Santa Fe Springs, California
Date: October, 1972
Billed repair to South FW boiler.

Box 39, #7647 **POWERINE OIL**
Location: Santa Fe Springs
Date: May, 1973

Box 46, #5451 **POWERINE OIL COMPANY**
Location: Santa Fe Springs
Date: July, 1969

Box 34, #7419 **POZZO CONSTRUCTION COMPANY**
Location: Mary's Hospital, Long Beach
Date: November, 1972
Repair damage to packaged boiler.

Box 38, #5859 Copeland Process Corporation
POZZOLAN PRODUCTS INCORPORATED
Location: Oakbrook, Illinois
Casmalia, California
Date: September, 1969

Box 41, #6055 Horton Process Division
Chicago Bridge and Iron
POZZOLAN PRODUCTS Casmalia California
Location: Oakbrook, Illinois
Date: June, 1970
(A) Labor and materials/miscellaneous repair work above reactor orifice plates.
(B) Reactor orifice plate/install refractory lining in duct work and cyclone.

Box 12, #6404 **JF PRITCHARD**
Nuway Chemical Company
Location: Baton Rouge, Louisiana
Date: 1971
Design and construct two 40,000 SCFM phthalicanhydrid incinerators.
(This box contains nothing but Job #6404).

Box 17, #7332 **JF PRITCHARD AND CO.**
Location: Atlantic Richfield, Carson
Date: March, 1973
Design and construct waste mass incinerator and stack. (Four files).

Box 34, #7284 **PROCTOR AND GAMBLE MANUFACTURING COMPANY**
Location: Long Beach, California
Date: August, 1972
Peabody furnaces.

Box 13, #6451 **PUBLIC CARBON PRODUCTS**
Amax Corp.
Location: Bakersfield, California
Date: 1971
Design and construct two metallurgical coke kelms. (Two full files with blueprints).

Box 34, #7334

QUEMETCO INC.
Location: City of Industry
Date: September, 1972
Work, equipment and supervision to repair the refractory lining in reverbatory lead furnace.

Box 43, #7979 **RALPH AND PARSONS**
Location: Los Angeles
Date: March-April, 1974
Refractory lining 6 experimental reaction.

Box 6, #4900 Bechtel Corporation
Location: San Francisco, California
RENOLDS METAL
Location: Mountain View, Washington
Date: May 1968
Provided labor to install refractory in holding furnaces; provided labor and equipment to check brick sizes.

Box 6, #4981 **RENOLDS METAL**
Location: Torrance, California
Date: May and October, 1968
Designed and constructed fume incinerator for lines 6 and 7. Drawings. (also Box 7, #4981)

Box 7, #5078 Bechtel Corporation
RENOLDS METAL
Location: Long View, Washington
Date: May, 1968
Furnished labor an equipment to install refractory lining in crucible preheaters.

Box 36, #3489-A **REULAND ELECTRIC**
Location: City of Industry
Date: August-September, 1965

Box 1, #1397 Ralph McPherson Company
RICHFIELD OIL
Location:
Date: November, 1960
Install lining in one alcon; fired heater; -one foster wheeler; filed heater and reactors; also tore out and replaced wall on west end; cut brick; replaced bottom in #1 and #2 reformer reactor; labor and material to insulate acid brick in acid pit; ground bottom insulation in two small reactors; packed insulation around boxes; patched FW heater.

Box 18, #7550 **RICHFIELD (ARCO)**
Location: Watson
Date: May, 1973
FCC turn around - refractory repair.
(A) Repair regenerator cyclones,
(B) Repair reactor,
(C) Repair reactor stand pipe,
(D) Repair regenerator side walls.

No Box, #4855

ALEX ROBERTSON COMPANY
Location: Paramount
Date:
For Southern California Edison (Lomita Station). Build and remove scaffold in #2 borin heater.

Box 30, #9299 **SELAS CORPORATION** and Standard Oil
Location: El Segundo
Date: July, 1976

No Box, #3913 **SESLER AND COFFEY INCORPORATED**
Douglas Oil Company
Location: Paramount
Date: March, 1966
Burn materials to repair on h2, h3, and h4 furnaces.
(A) Fireproof skirts on columns d6 and d8.

Box 40, #6984 **SHELL CHEMICAL COMPANY**
Location: Ventura
Date: December, 1971

Box 46, #5391 **SHELL CHEMICAL CORPORATION**
Location: Ventura
Date: October, 1968

No Box, #3893 **SHELL CHEMICAL COMPANY**
Location: Torrance
Date: May, 1966
Rebuild combustion chamber on white Foster boiler.

No Box, #4740 **SHELL CHEMICAL COMPANY**
Location: Dominguez
Date:
Repair #85 tank.

Box 3, #3405 Ralph M. Parsons Co.
SHELL OIL CO.
Location:
Date: July, 1965
Designed and supplied one waste gas incinerator.

Box 3, #3415 C.F. Braun and Co.
SHELL OIL CO.
Location: Wilmington, California
Date: February, 1965
Installed lining in one Foster Wheeler heater and one petrokem heater; also made repair to combustion section of Foster Wheeler heater.

Box 5, #4391 Chicago Bridge and Iron Company
Location: Salt Lake City
SHELL OIL COMPANY
Location: Washington
Date: April, 1967
Provided refractory labor on cat. and cracker turnaround.

Box 6, #4795

Ralph M. Parsons Co.
SHELL OIL COMPANY
Location: Vancouver, BC
Date: May, 1968
Designed and constructed waste gas incinerators.

Box 10, #6032

SHELL OIL CO.
Location: Dominguez, California
Date: February, 1970
Repair regenerator during cap cracking shut down.

Box 16, #7073

SHELL OIL COMPANY
Location: Dominguez, California
Date: April, 1972
Refractory repairs on cat. cracker turn around.
(A) Remove and replace refractory and top head regenerator.
(B) Install lining in four secondary cyclones.
(C) Miscellaneous patch work.
(D) Install AA22 and cyclone chimney.
(E) Repair heaters 15 and 16.

Box 31, #8560

SHELL OIL COMPANY
Location: Dominguez
Date: November, 1974
Repair to #4 furnace.

Box 32, #4180

SHELL OIL COMPANY
Location: Dominguez
Date: August, 1966
Necessary repairs to #1 vacuum flasher; necessary repairs to heater 13 and 14.

Box 37, #7761

SHELL OIL COMPANY
Location: Dominguez, California
Date: July, 1973
Repair #9 boiler.

Box 38, #5915

SHELL OIL COMPANY
Location: Watson
Date: October, 1969

Box 46, #5283

SHELL OIL COMPANY
Location: Dominguez
Date: August, 1968

No Box, #3241

SHELL OIL COMPANY
Location: Wilmington
Date: November, 5, 1964
Repairs to heater.

No Box, #3295 **SHELL OIL COMPANY**
Location: Dominguez
Date: November 30, 1964
Repair to catalyter plant.

No Box, #3386 **SHELL OIL COMPANY**
Location: Wilmington, California
Date: January-February, 1965
Repair burner wall #3 furnace
(A) Furnish labor and material for refractory repair of dubs #3 heater.

Box 2, #2932 **SIGNAL OIL AND GAS COMPANY**
Cascade Carbon Department
Location: Bakersfield, California
Date: April-July, 1964
Design and construct fintering retort.
Design and construct coke fintering retort.

Box 2, #3086 Ralph M. Parsons Co.
SOCONY MOBIL OIL CO.
WINDORNE
Location: Alberta, Canada
Date: November, 1964
Design and supply one waste gas incinerator.
Drawings.

Box 32, #4290 **SOULE STEEL**
Location: Dominguez
Date: November-December, 1966
Repair reheat furnace.

Box 34, #7076 **SOULE STEEL COMPANY**
Location: Long Beach, California
Date: Approximately February, 1972
Repairs to reheat furnace.

Box 34, #7193 **SOULE STEEL COMPANY**
Location: Long Beach, California
Date: June, 1972
Repair reheat furnace.

Box 35, #6369 **SOULE STEEL**
Location: Dominguez
Date: September, 1970

Box 37, #7762 **SOULE STEEL COMPANY**
Location: Dominguez, California
Date: July, 1973
Repair reheat furnace.

Box 40, #6878 **SOULE STEEL CORPORATION**
Location: Long Beach
Date: October, 1971

Box 41, #6014 **SOULE STEEL**
Location: Long Beach, California
Date: December, 1969
January, 1970
Repair reheat furnace.

Box 41, #6206 **SOULE STEEL**
Location: Long Beach, California
Date: April, 1970
Repair hearth for reheat furnace.

Box 46, #5102 **SOULE STEEL**
Location: Long Beach
Date: April, 1968

Box 46, #5338 **SOULE STEEL**
Location: Dominguez
Date: October, 1968

No Box, #3281 **SOULE STEEL**
Location: Dominguez
Date: October, 1964
Repair preheat furnace.

Box 4, #3445 **SOUTHERN CALIFORNIA GAS COMPANY**
Pacific Towell Company
Location: Paramount, California
Date: September, November, 1965
Designed and constructed one circular direct fire tile kelm. File of drawings.

No Box, #4755 **SOUTHWEST WELDING AND MANUFACTURING**
Location: Alhambra
Date:
Line water draw off vessel D401.

Box 1, #1496 Associated Insulation Company
STANDARD OIL COMPANY
Location: Barbers RT Hawaii
Date: 1962
Refractory linings in FCC unit; file contains drawings.

Box 9, #5523 Ralph M. Parsons Co.
STANDARD OIL COMPANY
Location: El Segundo
Date: February-October, 1969
Installed refractory lining, worked on alcorn heaters; repaired #301 heater.

Box 14, #6875

Ralph M. Parsons Co.
STANDARD OIL COMPANY
Location: El Segundo
Date: January, February, March 1972
Refractory linings sulfur recovery unit.
(A) Furnish material.

Box 20, #8038

The Floor Corporation Limited
STANDARD OIL COMPANY, CALIFORNIA
Location: El Segundo, California
Date:
Gunite linings for regenerator and reactor.
(A) Lining for cyclones catalyst U-bend flue-gas lines and flue-gas coolers.

Box 20, #8343

Ralph and Parsons
STANDARD OIL COMPANY
Location: Toledo, Ohio
Date: April, 1975
Design and supply thermal oxidizer.
(Two folders).

Box 30, #9230

STANDARD OIL
Location: El Segundo
Date: April, 1976

Box 30, #9283

STANDARD OIL CORPORATION
Location: El Segundo
Date: June, 1976

Box 30, #9299

Selas Corporation, and **STANDARD OIL**
Location: El Segundo
Date: July, 1976

Box 31, #8554

STANDARD OIL COMPANY
Location: El Segundo
Date: November, 1974
Repair to bottom drum head of coker.

Box 31, #8745

CF BRAUN, **STANDARD OIL COMPANY**
Location: El Segundo
Date: May, 1975
Labor only to install lining in flaregas ground flare.

Box 32, #4125

STANDARD OIL COMPANY
Location: El Segundo
Date: August, 1966
Necessary repairs to F1 and F2 furnaces, unit #48.

Box 34, #7172 **STANDARD OIL COMPANY**
Location: El Segundo, California
Date: April, 1972
Repair F301 hydrogen.

Box 3, #7173 **STANDARD OIL COMPANY**
Location: El Segundo, California
Date: Approximately May, 1972
Repair to hydrofinder.

Box 37, #7763 **STANDARD OIL COMPANY**
Location: El Segundo, California
Date: July, 1973
Repair F610 a and b isomax furnace.

Box 38, #5906 **STANDARD OIL**
Location: El Segundo
Date: October, 1969

Box 39, #7582 **STANDARD OIL COMPANY**
Location: El Segundo
Date: March, 1973
Repair #2 cox reformer.

Box 39, #7637 **STANDARD OIL COMPANY**
Location: El Segundo
Date: April, 1973
Repair to #33 boiler.

Box 39, #7720 **STANDARD OIL COMPANY**
Location: El Segundo
Date: June, 1973
Repair to #34 boiler.

Box 39, #7725 **STANDARD OIL COMPANY**
Location: El Segundo
Date: July, 1973
Replace haydit.

Box 40, #6820 **STANDARD OIL COMPANY**
Location: El Segundo
Date: August, 1971

Box 40, #6915 **STANDARD OIL COMPANY**
Location: El Segundo
Date: October, 1971

Box 44, #5021 **STANDARD OIL COMPANY**
Location: El Segundo
Date: March, 1968
Repair boiler #56 at #3 boiler house.

Box 44, #5027 **STANDARD OIL COMPANY**
Location: El Segundo
Date: March, 1968
Repair #11 unit.

Box 44, #5042 **STANDARD OIL COMPANY**
Location: El Segundo
Date: March, 1968
Repair #1 unit.

Box 46, #5456 Bechtel Corporation, and **STANDARD OIL COMPANY**
Location: El Segundo
Date: July, 1969

No Box, #3961 **STANDARD OIL COMPANY**
Location: El Segundo
Date: August, 1966
Install lining to heat cured twenty buelo reactor cylomer and thirty-two fuel regenerator cycloner.

No Box, #4069 **STANDARD OIL COMPANY**
Location: El Segundo, California
Date: 1966
Repairs to #10 unit.

No Box, #4598 **STANDARD OIL COMPANY**
Location: El Segundo
Date:
Necessary repairs to #2 residuum stripper furnace.

No Box, #4641 **STANDARD OIL COMPANY**
Location: El Segundo
Date:
Repair boiler #34.

No Box, #4845 **STANDARD OIL COMPANY**
Location: El Segundo
Date:
Repair F1, F2 and F3 desulferizing furnaces.

No Box, #4851 **STANDARD OIL COMPANY**
Location: El Segundo
Date:
Repair boiler #36.

No Box, #4978 **STANDARD OIL COMPANY**
Location: El Segundo
Date:
Repair #12 unit furnace.

Box 37, #7904 **STARKIST FOODS, INC.**
Location: Terminal Island, California
Date: October, 1973

Box 40, #6760 **STARKIST TUNA INC.**
Location: Terminal Island
Date: September, 1971

Box 45, #8302 **STARKIST TUNA**
Location: Terminal Island
Date: July, 1974
Repair to large and small dryers.

No Box, #3890 **STATE OF CALIFORNIA**
California Institute for Women Frontera
Location: Chino
Date: August, 1966
Repair 3c-14 city boiler.

Box 1, #1285 Ralph McPherson Company
STAUFFER CHEMICAL COMPANY
Location: Delaware
Date:
Design and material for one waste gas incinerators.

Box 21, #8386 **STAUFFER CHEMICAL COMPANY**
Location: Henderson, Nevada
Date: September, 1974
Labor to line 1 backing stripper.

Box 32, #4348 **STAUFFER CHEMICAL COMPANY**
Location: Dominguez
Date: January, 1967
Repair #1 absorbing tower plant #1.

Box 34, #7090 **STAUFFER CHEMICAL**
Location: Dominguez, California
Date: Approximately March, 1972
Fledge furnace plant #1.
(A) Rebrick sledge furnace dust chamber outlet.
(B) Clean out hot gas flue and make repair to quench tower.

Box 37, #7838 **STAUFFER CHEMICAL COMPANY**
Location: Dominguez, California
Date: September, 1973
Install acid brick linings in a manhole; sewer patch basin and pump.

Box 38, #5924 **STAUFFER CHEMICAL COMPANY**
Location: South Gate
Date: October, 1969

Box 39, #7533 **STAUFFER CHEMICAL**
Location: Dominguez
Date: January, 1973
Repair #3 caustic pot.

Box 40, #6965 **STAUFFER CHEMICAL CORPORATION**
Location: Dominguez
Date: December, 1971

Box 40, #6990 **STAUFFER CHEMICAL CORPORATION**
Location: Dominguez
Date: December, 1971

Box 40, #6722 **STAUFFER CHEMICAL CORPORATION**
Location: Dominguez
Date: December, 1971

Box 42, #3143 **STAUFFER CHEMICAL CORPORATION**
Location: Dominguez
Date: June, 1964

Box 42, #3145 **STAUFFER CHEMICAL CORPORATION**
Location: Dominguez
Date: June, 1964

Box 46, #5117 **STAUFFER CHEMICAL CORPORATION**
Location: Long Beach
Date: April, 1968

No Box, #3302 **STAUFFER CHEMICAL COMPANY**
Location: Dominguez, California
Date: December, 1964
Plant #1 repair quench tower.

No Box, #4726 **STAUFFER CHEMICAL COMPANY**
Location: South Gate
Date:
Construct carbon block #1 acid tower; install firebrick lining in tower.

Box 30, #8903 **STEEL CASTING**
Location: Los Angeles
Date: July, 1975

Box 39, #7641 **STEEL CASTING**
Location: Vernon
Date: May, 1973
Repair arch and supports.

Box 45, #8235

STEEL CASTING
Location: Los Angeles
Date: May, 1974
Repair to #2 furnace.

Box 15, #6999

STERNS AND ROGER CORPORATION
Location: Denver, Colorado
Phelps Dodge Morenci, Arizona
Location: Morenci, Arizona
Date: April, 1974
Line one air preheater.

Box 5, #4320

SULOR FLOOR CORPORATION
Location: Los Angeles
Texaco, Inc.
Location: Wilmington
Date: February, 1967
Installed refractory lining and ripped out reactor lining.

Box 1, #2100

SWINDELL DRESSLER CORPORATION
Hagansbut Company
Location: Tina, California
Date: January, 1962
Construct tunnel and replace inside concrete slabs.

Box 1, #1556

Foster Wheeler Corporation
TEXACO INCORPORATED
Wilmington, California
Date: April, 1961
Install refractory linings in FW fired heaters; provided labor and material to install six inch hollow tiles on fired heater H1 and H2.

Box 5, #4320

Sulor Floor Corporation
Location: Los Angeles
TEXACO INC.
Location: Wilmington
Date: February, 1967
Installed refractory lining and ripped out reactor lining.

Box 10, #6295

TEXACO
Location: Montebello
Date: July, 1970
Install lining in dust tunnel (per Norton RB-23316).

Box 18, #7649

Ralph M. Parsons
TEXACO INC.
Location:
Date: June, 1973
Refractory lining furnace H751 sulfur recovery unit.

Box 22, #8799

TEXACO
Location: Wilmington
Date: May, 1975
Repairs to reactor: Repairs to regenerator, repairs to regenerator cyclone, repairs to the C22 lines, repairs to the FCC unit water side tank, repairs to the C8 line, repairs and sandblast dip legs of reactor.

Box 33, #7523

TEXACO INC.
Location: Wilmington, California
Date: January, 1973
Repair #5 boiler.

Box 35, #6321

TEXACO INC.
Location: Wilmington
Date: June, 1970

Box 41, #6175

TEXACO INC.
Location: Wilmington
Date: April, 1970

Box 46, #5232 **TEXACO INC.**
Location: Wilmington
Date: July, 1968

Box 46, #5343 **TEXACO INC.**
Location: Wilmington
Date: October, 1968

No Box, #4600 **TEXACO INC.**
Location: Wilmington
Date:
Repair H1 heater at HTU #3.

Box 20, #7967 **THE TEXAS COMPANY**
Location: Wilmington, California
Date:
Insulation linings in NC8-C22-A and C-22-B fluid cracking unit.

Box 30, #9136 **THATCHER GLASS CORPORATION**
Location: Saugus
Date: April, 1976

Box 30, #9238 **THATCHER GLASS**
Location: Saugus
Date: May, 1976

Box 31, #8592 **THATCHER GLASS**
Location: Saugus
Date: January, 1975
Repair to #1 glass tank.

Box 31, #8630 **THATCHER GLASS**
Location: Saugus
Date: December 1974-January 1975
Hot patch #3 furnace.

Box 34, #7423 **THATCHER GLASS**
Location: Saugus, California
Date: December, 1972
Rebuild furnace #2

Box 35, #6520 **THATCHER GLASS COMPANY**
Location: Saugus
Date: January, 1971

Box 35, #6595 **THATCHER GLASS COMPANY**
Location: Saugus
Date: May, 1971

Box 40, #6600 **THATCHER GLASS COMPANY**
Location: Saugus
Date: May, 1971

Box 36, #3676 **THATCHER GLASS MANUFACTURING COMPANY**
Location: Saugus
Date: August-September, 1965

Box 42, #2970 **THATCHER GLASS MANUFACTURING COMPANY**
Location: Saugus
Date: 1964
Factory construction new glass melting furnace.
Numerous files on this job.

Box 44, #5042 **THATCHER GLASS**
Location: Saugus, California
Date: March, 1968
Repair #2 glass tank.
(A) Repair to forehearth.

Box 46, #5435 **THATCHER GLASS CORPORATION**
Location: Saugus
Date: December, 1968

No Box, #4048 **THATCHER GLASS**
Location: Saugus, California
Date: June, 1966
#2 tank.

No Box, #4620 **THATCHER GLASS COMPANY**
Location: Saugus
Date:
Repair #3 glass tank repair hearth furnace.

No Box, #4932 **THATCHER GLASS**
Location: Saugus
Date:
Repair dog house furnace #1.

Box 23, #9259 **AP THORPE AND SON CHEVRON CHEMICAL**
Location: Richmond, California
Date: November, December, 1976
Engineering only for thermal oxidizer system.

Box 6, #4888 **JT THORPE ANALYSIS SHEETS**
Location:
Date: 1968

Box 7, #5260 **JT THORPE CO.**
Fluor Corporation
Marathon Oil
Location: Burghausen, Germany
Date:
Engineering study on wulff process furnaces.

Box 11, #6388

Fish Engineering (Houston)
JT THORPE CO. (HOUSTON)
Panhandle Eastern Co. (Kansas City, Missouri)
Location:
Date:
Design fume incinerator (approximately November, 1970) (File contains primarily blueprints).

Box 14, #6737

JT THORPE CO. (HOUSTON)
Floor (Los Angeles)
Mobil Oil Corp. (Beaumont, Texas)
Location:
Date:
Refractory lining for new FCC unit.

Box 11, #6332

TRIO CONTRACTORS
Location: Idaho
Engineering Development Center
Arnold Airforce Station
Location: Tullahoma, Tennessee
Date: June, July, 1971
Remove and reinstall pebbles and refractory lining in pebble and air heater.
(A) Installation of lining at Tullahoma.

Box 43, #8063

TRISCOPETRO
Location: Bakersfield
Date: October, 1974
Repair brick work on inside of boiler #2.

Box 31, #8622 **UNION CARBIDE**
Location: Torrance
Date: January, 1975
Repairs to #5 cracking furnace.

Box 41, #6110 **UNION CARBIDE AND CHEMICAL**
Location: Torrance, California
Date: March, 1970
Repair #1 furnace.
(A) Repair to sludge furnace.

Box 1, #1275 Ralph M. Parsons
UNION OIL COMPANY
Location: Wilmington, California
Date: April, 1960
Design and supply one waste gas incinerator. Labor and material to install refractions in breaking between incinerator and stock.

Box 2, #2997 C.F. Braun
UNION OIL CO.
Location: Wilmington, California
Date: April-July, 1964
Construct lining for one selan heater and four Foster Wheeler heaters; remove and replace refractory lining in B201 and B203 heater; provide labor and material to repair refractory lining in B101 and B204.

Box 8, #5540 C.F. Braun & Co.
UNION OIL COMPANY
Location: Lamonte, Illinois
Date: October, 1969
Provided refractory lining for two trains at the RM Parsons Plant.

Box 11, #6400 **UNION OIL COMPANY**
Location: Wilmington, California
Date: October, 1970
Design and construct FCC gas incinerator.
(Voluminous file with blueprints).

Box 18, #7506 Ralph M. Parsons
UNION OIL COMPANY
Location: Wilmington, California
Date: March, April and May, 1973
Refractory linings - sulfur recovery unit.
(A) Fireproofing vessels #15-1101, #15-1102.
(B) Repair fire walls.

Box 36, #3527 **UNION OIL COMPANY OF CALIFORNIA**
Location: Wilmington
Date: April, 1965

Box 30, #9277

UNION OIL CORPORATION
Location: Wilmington
Date: June, 1976

Box 45, #8236

UNION OIL COMPANY
Location: Wilmington
Date: May, 1974
Repair to catcracker turn around.

No Box, #3443

UNION OIL COMPANY
Location: Wilmington, California
Billed: Approximately March and April, 1965
Maintenance repair.

No Box, #3221

UNION OIL COMPANY OF CALIFORNIA
Location: Wilmington Refinery, Wilmington
Date: Approximately August, 1964
One Babcock & Wilcox boiler #2 damaged by an explosion.

No Box, #4757

UNION PACIFIC RAILROAD
Location: Wilmington
Date:
Repair #10 boiler at Dehy Plant.

No Box, #4437

UNITED FABRICATOR
Location: Santa Fe Springs
Date:
Install refractory linings in seven FW heaters.

Box 22, #8673

UNITED STATES AIRFORCE ENGINEERING AND DEVELOPMENT
Location: Oklahoma; Tullahona, Tennessee
Date: May, 1976
Supply and install refractory materials in pebble air heater.
(A) Partial spare lining.

Box 16, #7104

Air Erection Division
UNIVERSAL OIL PRODUCTS COMPANY
Location: Darien, Connecticut
American Cyanamide
Location: Azusa
Date: March, 1972 and April, 1972
(A) Dryout of the lining.
(B) Miscellaneous work assigned to U.O.P.
(C) Repair of lining.
(D) Burner.

Box 17, #7185

UOP AMERICAN CYANAMID
Location: Azusa
Date: May, 1972
Tear out and reline annelex incinerator.

Box 3, #2170	C.F. Braun and Company **US BORAX AND CHEMICAL CORPORATION** Location: Date: March, 1965 Design and construct #6AC melting furnace.
Box 8, #5540	Jacob Engineering in Pasadena **US BORAX AND CHEMICAL CORPORATION** Location: Date: May, 1970 Designed and constructed new #FAB furnace.
Box 32, #4176	**US BORAX AND CHEMICAL** Location: Boron Date: September, 1966 Repair #1 RA furnace; repair 2 RA furnace.
Box 36, #3647	**US BORAX AND CHEMICAL CORPORATION** Location: Boron Date: August, 1965
Box 36, #3635	**US BORAX RESEARCH CORPORATION** Location: Boron Date: August, 1965
Box 36, #3548	**US BORAX AND CHEMICAL CORPORATION** Location: Boron Date: August, 1965
Box 42, #3069	**US BORAX AND CHEMICAL CORPORATION** Location: Boron Date: April, 1964 Rebrick #4ab furnace plant #5 with purocast granite roof.
Box 46, #5281	**US BORAX AND CHEMICAL CORPORATION** Location: Boron Date: August, 1968
No Box, #3153	**US BORAX AND CHEMICAL** Location: Boron Date: Approximately June, 1960
No Box, #3228	**US BORAX AND CHEMICAL CORPORATION** Location: Boron Date: Approximately August 24, 1964 Rebuild #2AR furnace.
No Box, #3346	**US BORAX AND CHEMICAL CORPORATION** Location: Boron Date: February, 1965 Brick work repair to #1AB furnace.

No Box, #3905 **US BORAX AND CHEMICAL**
Location: Boron
Date: 1966
Repair #3 boiler, labor and material.

Box 38, #5864 **US REDUCTION**
Location: Ontario
Date: September, 1969

Box 45, #5112 **US REDUCTION CORPORATION**
Location: Ontario
Date: June, 1968

Box 46, #5179 **US REDUCTION CORPORATION**
Location: Ontario
Date: August, 1968

Box 32, #4397 **US STEEL CORPORATION**
Location: Torrance
Date: January, 1967
Repair stack on bloom furnace.

No Box, #3327 **US STEEL CORP., AMERICAN BRIDGE DIVISION**
Location: City of Commerce
Date: February, 1965
Install lighting acid proof in five jumbo tanks, one whole floor and one moisturizing tank and correcting trucks.

No Box, #4843 **US STEEL CORP., AMERICAN BRIDGE DIVISION**
Location: Vernon
Date:
Modify combustion system Thorpe plate heating furnace #FG747.

No Box, #4790 **UNIVERSITY OF CALIFORNIA**
Location: Los Angeles
Date:
Install super duty firebrick in front firebox wall.

Box 37, #7779 **VALLEY BRASS FOUNDRY**
Location: Alhambra, California
El Monte, California
Date: August, 1973
Install linings in furnaces.

Box 37, #7895 **VALLEY BRASS**
Location: El Monte, California
Date: October, 1973
Install lining in furnace.

Box 43, #7961 **VALLEY BRASS**
Location: El Monte
Date: November, 1973
Install lining in furnace.

Box 43, #8054 **VALLEY BRASS**
Location: El Monte
Date: January, 1974
Install lining in furnace.

Box 45, #8502 **VISTA METALS**
Location: Fontana
Date: November, 1974
Modification lining for #3 melting furnace.

Box 35, #6331 **WATSON CARBON AND CHEMICAL**
Location: Wilmington
Date: July, 1970

Box 37, #7916 **WESTERN BRASS**
Location: Los Angeles
Date: October, 1973-January, 1974
Ram an inductor.

Box 45, #8463 **WESTERN BRASS**
Location: Los Angeles
Date: September, 1974
Ram inductor.

Box 34, #7239 **WILMAC CONSTRUCTION COMPANY**
Kaiser Gypsum
Location: Long Beach, California
Date: September, 1972
Furnish and install refractories in gypsum kettles and hot pits.

Box 42, #6054 **WILSHIRE BECHTEL CORPORATION OIL**
Location: Santa Fe Springs
Date: April-November, 1964

Box 1, #1635 Chicago Bridge and Iron Company
WILSHIRE OIL COMPANY
Location: Norwalk, California
Date: August, 1961
Provided labor and material to install refractory linings and revamp of FCC regenerator; also did repairs to linings.

Box 2, #2901 Bechtel Corporation
WILSHIRE OIL COMPANY
Location: Santa Fe Springs, California
Date: March, 1964
Work on waste gas incinerator.

LAW OFFICES OF
PRINDLE, DECKER & AMARO

INDEX OF J.T. THORPE JOB FILES

BOX #1:

#1275: Ralph M. Parsons
Union Oil Company
Location: Wilmington, California
Date: April, 1960
Design and supply one waste gas incinerator.
Labor and material to install refractions in breaking between incinerator and stock.

#1342: CF Braun and Company
Collier Carbon and Chemical Company
Location: Wilmington, California
Date:

#1397: Ralph McPherson Company
Richfield Oil
Location:
Date: November, 1960
Install lining in one alcon; fired heater; -one foster wheeler; filed heater and reactors; also teared out and replaced wall on west end; cut brick; replace bottom in #1 and #2 reformer reactor; labor and material to insulate acid brick in acid pit; grinded bottom insulation in two small reactors extend height of access door; pack insulation around boxes; patch FW heater.

#1342: CF BRAUN AND COMPANY
COLLIER CARBON AND COMPANY
Location: Wilmington, California
Date:
Plan drawings.

#1285: Ralph McPherson Company
Stauffer Chemical Company
Location: Delaware
Date:
Design and material for one waste gas incinerators.

#1496: Associated Insulation Company
Standard Oil Company
Location: Barbers RT Hawaii
Date:
Refractory linings in FCC unit; file contains drawings; 1962.

#1556: Foster Wheeler Corporation
Texaco Incorporated
Location: Wilmington, California
Date: April, 1961
Install refractory linings in FW fired heaters; provided labor and material to install six inch hollow tiles on fired heater H1 and H2.

#1635: Chicago Bridge and Iron Company
Wilshire Oil Company
Location: Norwalk, California
Date: August, 1961
Provided labor and material to install refractory linings and revamp of FCC regenerator; also did repairs to linings.

#2062: Pacific Clay Products
Location: Santa Fe Springs, California
Date: October, 1961
Repair to floor of perodic kelm; repair to floor kelm.

#2100: Swindell Dressler Corporation
Hagansbut Company
Location: Tina, California
Date: January, 1962
Construct tunnel and replace inside conrete slabs.

#2129: California Portland Cement
Location:
Date: 1963
Install lining in two rotary kelms.

#2130: California Portland Cement Co.
Location: Colton, California
Date:
Construct two firing hood linings.

#2131: California Portland Cement Co.
Location: Colton, California
Date:
Construct two cooler linings.

BOX #2:

#2393: Kaiser Engineers
Location: Cushenbury, California
Date:
Permanent cement cushion.
Additional blueprints.

#2877: American Gypsum Co.
Location: Albequrque, New Mexico
Date: January, 1984.
[illegible]

#2901: Bechtel Corporation
Location: San Francisco, California
Wilshire Oil
Location: Sante Fe Springs
Date: June, 1964
Constructed one waste gas incinerator.

#2937: Bechtel Corporation
Wilshire Oil Company
Location: Sante Fe Springs
Date: March, 1964
Work on waste gas incinerator

#2932: Signal Oil and Gas Company
Cascade Carbon Department
Location: Bakersfield, California
Date: April-July, 1964
Design and construct fintering retort.

#2932: Signal Oil and Gas Company
Cascade Carbon Department
Location: Bakersfield, California
Date:
Design and construct coke finitering retort.

#2991: Joslin Pacific Company
Location: Vernon, California
Date: March, 1964
Design and construct brick enclosures for #2 galvanizing kettle.

#2997: CF Braun
Union Oil Co.
Location: Wilmington, California
Date: April-July, 1964
Construct lining for one selan heater and four foster wheeler heaters; remove and replace refractory lining in B201 and B203 heater; provide labor and material to repair refractory lining in B101 and B204.

#3061: Bartlett Pacific Inc.
Holly Sugar
Location: Rolley
Date: May, 1962
Install lining in hearth; Pacific furnace.

#3086: Ralph M. Parsons Co.
SOCONY Mobil Oil Co.
WINDORNE
Location: Alberta, Canada
Date: November, 1964
Design and supply one waste gas incinerator.

#3086: Ralph M. Parsons Co.
SOCONY Mobil Oil Co.
Location: Alberta, Canada
Date:
Drawings.

BOX #3:

#2170: CF Braun and Company
US Borax and Chemical Corporation
Location:
Date: March, 1965
Design and construct #6AC melting furnace.

#2269: Continental Can Company
Location: Los Angeles, California
Date:
Design and construct two lithograph ovens fume burners and other files containing drawings.

#3356: Canadian Bechtel Ltd.
Location: San Franciso, California
Great Canadian Oil Fans Project
Location: Alberta, Canada
Date: 1967
Design and construct waste gas incinerators and furnish spare parts.

#3370: Dorr Oliver Inc.
Port Huenene Serge Disposal Plant
Location: Port Helanee, California
Date: 1965
Install lining and supplied and installed additional parts to reactors. Repaired insulkote lining.

#3398: Ralph M. Parsons Construction Co.
Location: Canada
Hudson Bay Oil and Gas Co. Ltd.
Location: Alberta, Canada
Date:
Drawings

#3405: Ralph M. Parsons Co.
Shell Oil Co.
Location:
Date: July, 1965
Designed and supplied one waste gas incinerator.

#3415: CF Braun and Co.
Shell Oil Co.
Location: Wilmington, California
Date: February, 1965
Installed lining in one Foster Wheeler heater and one petrokem heater; also made repair to combustion section of Foster Wheeler heater.

#3432: Ralph M. Parsons Co.
W. Kower Co.
Location: Columbia, South America
Date: June, 1965
Furnished one waste gas incinerator.

BOX #4:

#3445: Southern California Gas Company
Pacific Towell Company
Location: Paramount, California
Date: September, November, 1965
Design and constructed one circular direct fire tile kelm.
File of drawings.

#3458: Cascade Carbon Co.
Location: Bakersfield, California
Date: March, 1965
Designed and constructed one fume burner; furnished SS basket chip; removed and replace two curtain wall linings.

#3960: Ralph M. Parsons Co.
Procon Grape Ltd.
Location:
Date: September, 1966
Designed and supplied one waste gas incinerator.

#4017: Ralph M. Parsons Co.
Imperial Oil Enterprises, Ltd.
Location: Sarnia, Ontario, Canada
Date: 1967
Designed and supplied one waste gas incinerator.

#4017: Ralph M. Parsons Co.
Imperial Oil Enterprises, Ltd.
Location: Sarnia, Ontario, Canada
Date:
Designed and supplied one waste gas incinerator.
Another file of drawings.

#4064: Ralph M. Parsons Co.
Petro Gas Processing, Ltd.
Location: Bolzac, Alberta, Canada
Date: 1967
Designed and supplied one waste gas incinerator.

BOX #5:

#4248: Brof. Inc.
Location: Minneapolis, Minnisota
Ralph M. Parsons Co.
Atlantic Richfield Co.
Location: Watson, California
Date: November, 1966
Furnished and installed lining in reformer gas cooler.

#4320: Sulor Floor Corporation
Location: Los Angeles
Texaco Inc.
Location: Wilmington
Date: February, 1967
Installed refractory lining and ripped out reactor lining.

#4390: Continental Can Company
Location: Van Nuys
Date: July 1967
Designed and constructed on air pollution afterburner.

#4391: Chicago Bridge and Iron Company
Location: Salt Lake City
Shell Oil Company
Location: Washington
Date: April, 1967
Provided refractory labor on cat. and cracker turnaround.

BOX #6:

#4500: Continental Can Company
Location: Commerce
Date:
Designed and constructed 13,000 SCFM fume burners.

#4716: Ralph M. Parons
Banff Oil Ltd.
Location: Alberta, Canada
Date: January, 1968
Design and supply gas incinerator.

#4795: Ralph M. Parsons Co.
Shell Oil Company
Location: Vancouver, British Columbia
Date: May, 1968
Designed and constructed waste gas incinerators.

#4888: JT Thorpe Analysis Sheets
Location:
Date: 1968

#4900: Bechtel Corporation
Location: San Francisco, California
Renolds Metal
Location: Long View, Washinton
Date: May, 1968
Provided labor to install refractory in holding furnaces; provided labor and equipment to check brick sizes.

#4981: Renolds Metal
Location: Torrance, California
Date: May and October, 1968
Designed and constructed fume incinerator for lines 6 and 7.

#4981: Drawings
Location:
Date:

BOX #7:

#4981: Drawings
Location:
Date:

#5000: Continental Can Company
Location: Commerce
Date: August, 1968
Designed and constructed air pollution afterburners for lines 4 and 5.

#5053: Gulf Oil Corporation
Location: Sante Fe Springs
Date: April, 1968
Filled conn. of new sections of regenerator - flue gas lines; performed miscellaneous repairs to flue gas and also repaired feed prikenter furnaces; made repairs to CO boiler.

#5078: Bechtel Corporation
Renolds Metal
Location: Long View, Washington
Date: May, 1968
Furnished labor and equipment to install refractory lining in crucible preheaters.

#5260: JT Thorpe Co.
Flour Corporation
Marathon Oil
Location: Burghausen, Germany
Date:
Engineering study on wulff process furnaces.

BOX #8:

#5300-A: Continental Can Company
Location: Tittscury, California
Date: May, 1970
Provided modification to existing 24,000 SCFM fume incinerator at Tittscury.

#5310: Continental Can Company
Location: Hayward, California
Date: 1968-1969
Designed and constructed one 12,000 SCFM fume burner.

#5487: CF Braun and Company
Union Oil Company
Location: Lamonte, Illinois
Date: October, 1969
Provided refractory lining for two trains at the RM Parsons Plant.

#5540: Jacob Engineering in Pasadena
US Borax and Chemical Corporation
Location:
Date: May, 1970
Designed and constructed new #FAB furnace.

BOX #9:

#5523: Ralph M. Parsons Co.
Standard Oil Company
Location: El Segundo
Date: February-October, 1969
Installed refractory lining, worked on alcorn heaters; repaired #301 heater.

#5726: Ralph M. Parsons Co.
Allied Chemical Co.
Location: El Segundo
Date: September, 1969
Worked on refractory lining and on the sulfur recovery unit.

#5752: Ralph M. Parsons
Location: Canada
Hudson Bay Oil and Gas Co.
Location: Edson, Alberta, Canada
Date: June, 1969
Provided engineering to modify fume incinerator.

#5800: Continental Can Company
White Cap Plant
Location: Hayward, California
Date: November, 1969
Designed and constructed 8,500 SCFM folded chamber type fume incinerators.

#5969: Ralph M. Parsons Co.
Chevron Standard Oil, Ltd.
Location: Alberta, Canada
Date: October, 1970
Designed and supplied two waste gas incinerators.

BOX #10:

#6032: Shell Oil Co.
Location: Dominguez, California
Date: February, 1970
Repair regenerator during cap cracking shut down.

#6137: Mobil Oil Corporation
Location: Torrance, California
Date: March, 1970
Repair to regenerator.
(A) Repair orifice chamber,
(B) Repairs to reactor,
(C) Repair to F1 pair heater.

#6176: Gulf Oil Company
Location: Norwalk, California
Date: April, 1970
Repair cat cracker.
(A) Repair seal boiler.
(B) Repair refiner heater.
(C) Repair crude heater.
(D) Repair PH-2 platform.
(E) Repair CCH-2 heater.
(F) Repair H-CH-1 and H-CH-2 heater.
(G) Repair G-H-1 heater.
(H) Repair TP51 sour water oxidizer.

#6270: Floor Corporation
Mobil Oil Corporation
Location: Jolia, Illinois
Date: May, 1971, October, 1972
and supply 2 sulfur furnaces.
(A) Start up assistance.

#6288: DWG File
RM Parsons National Lead Co.
Location: Salt Lake City, Utah
Date: October, 1970
material and labor to install refractories and magnesium pilot plank.

#6295: Texaco
Location: Montebello
Date: July, 1970
Install lining in dust tunnel (per Norton RB-23316).

#6325: Drawings for a job at Harvey Aluminum
Location:
Date:

BOX #11:

#6332: Trio Contractors
Location: Idaho
Engineering Development Center
Arnold Airforce Station
Location: Tullahoma, Tennessee
Date: June, July, 1971
Remove and reinstall pebbles and refractory lining in pebble and air heater.
(A) Installation of lining at Tullahoma.

#6352: Continental Can Company
Location: Hayward, California
Date: April, 1971
Repair 12,000 SCFM furnace incinerator.

#6375: Can Company
Location: Passaic, New Jersey
Date: March, April, June, December, 1971
Design and construct 9,000 SCFM furnace incinerator plant 30.
(A) Sealed installation.
(B) Spare parts kit.

#6388: Fish Engineering (Houston)
JT Thorpe Co. (Houston)
Panhandle Eastern Co. (Kansas City, Missouri)
Location:
Date:
Design fume incinerator (approximately November, 1970)
(File contains primarily blueprints).

#6400: Union Oil Company
Location: Wilmington, California
Date: October, 1970
Design and construct FCC gas incinerator.
(Luminous file with blueprints).

BOX #12:

#6404: JF Pritchard
Nuway Chemical Company
Location: Batton Rouge, Louisianna
Date: , 1971
Design and construct two 40,000 SCFM phthalicanhydrid incinerators.
(This box is nothing but Job #6404).

BOX #13:

#6420: Ralph M. Parsons Co.
Bamff Oil Ltd.
Location: Alberta, Canada
Date: January, 1972
Design and supply one waste gas incinerator and breaching.
(Luminous documents with blueprints.)

#6451: Public Carbon Products
Amax Corp.
Location: Bakersfield, California
Date: , 1971
Design and construct two metallurgical coke kelms.
(Two full files with blueprints).

#6585: Lianco Container Corp.
Location: Chicago, Illinois
Saint Louis, Missouri
Date:
and supply to 15,000 SCFM fume incinerators.
(File contains blue prints only).

BOX #14:

#6585: Lianco Containers Corp.
Location: Chicago, Illinois
Saint Louis, Missouri
Date: November, 1971, February, 1972, March, 1972
Design and supply two 15,000 SCFM fume incinerators.
(A) Installation
(B) Spare Parts.

#6645: JM Covington Corporation
Location: Bakersfield, California
Date: July, 1971
Design and supply BSP coke cooler.

#6737: JT Thorpe Co. (Houston) Floor (Los Angeles)
Mobil Oil Corp. (Beaumant, Texas)
Location:
Date:
Refractory lining for new FCC unit.

#6779: Ralph M. Parsons Construction Co.
Aquitaine Company
Location: Canada
Ram River (Canada)
Date: November, 1971
Design and construct one waste gas incinerator.
(A) Repairs to buffalo forge bower.
Two files with blue prints.

#6881: Arizona Portland Cement
Location: Rillitl, Arizona
Date: February, 1972
Design and construct air heater.

#6875: Ralph M. Parsons Co.
Standard Oil Co.
Location: El Segundo
Date: January, February, March, 1972
Refractory linings sulfur recovery unit.
(A) Furnish material.

BOX #15:

#6900: Jacob's Engineering
Coker Chemical Company
Location: Searles Lake, California
Date: March, 1972-March, 1975
Design and construct melting furnace.
(3) Files

#6934: (Parson's Company) (Louisiana)
National Lead Company
Location: Salt Lake City, Utah
Date: March, 1972
Design and supply system for five magnesium pot furnaces.
(Files with blueprints)

#6999: Sterns and Roger Corporation
Location: Denver, Colorado
Phelps Dodge Morenci, Arizona
Location: Morenci, Arizona
Date: April, 1974
Line one air preheater.

#7000: Can Company
Corporate Purchasing
Location: New York
Date: June, August, 1972
Blanket order 15 incinerators 3000 SCFM fume incinerators
Portland, Oregon.

BOX #16:

#7073: Shell Oil Company
Location: Dominguez, California
Date: April, 1972
Refractory repairs on cat. cracker turn around.
(A) Remove and replace refractory and top head regenerator.
(B) Install lining in four secondary cyclones.
(C) Miscellaneous patch work.
(D) Install AA22 and cyclone chimney.
(E) Repair heaters 15 and 16.

#7104: Air Erection Division
Universal Oil Products Company
Location: Darion, Connecticut
American Cyanamide
Location: Azusa
Date: March, 1972 and April, 1972
(A) Dryout of the lining.
(B) Miscellaneous work assigned to U.O.P.
(C) Repair of lining.
(D) Burner.

#7111: Continental Can Company
Location: Olympia, Washington
Date: August, 1972
Design and construct 12,000 SCFM incinerator.
(A) Startup.
(B) Spare parts.

#7170: Continental Can Company
Location: Carson, New Jersey
Date: December, 1972 and April, 1973
Design and construct two fume incinerators.
(A) Startup only.
(Files including 13 files and blueprints)

BOX #17:

#7177: Ralph M. Parsons Company
Location: Los Angeles
Aerial Oil Company
Darknath, Novia Scotia [Canada]
Date: September, 1972
Design and construct one waste gas incinerator.

#7185: UOP American Cyanamid
Location: Azusa
Date: May, 1972
Tear out and reline annelex incinerator.

#7331: Atomics International Division
American Rockwell
Location:
Date: January, 1970 to January, 1973
Design and supply preheater and combustor.
(A) Design and supply ducting between vessel for molten salt testing facility.
(B) Labor and some material to install refractory lining in vessel.
(C) Furnish extra equipment and material.

#7332: J.F. Pritchard and Co.
Location: Atlantic Richfeld, Carson
Date: March, 1973
Design and construct waste mass incinerator and stack.
(Four files).

BOX #18:

#7411: Continental Can Company
Location: Sparrowspoint, Maryland
Date: March, June, 1973 and February, 1974
Design and construct four 8,000 SCFM fume incinerators and two 10,000 SCFM fume incinerators.

#7411(A)(B)(C): Continental Can Company
Location: Sparrowspoint, Maryland
Date: September, 1974
Modifications to control panels.
(B) Heat exchange rework
(C) Modify control panels for three units and ship to White Cap Plant (See job #7756-A).
(D) Convert controls for one 8,000 SCFM incinerator to three operator.
(E) Convert one 8,000 SCFM incinerator to catalatic operation.
(F) Retain all units.
(G) Service of erector supervisor for installation of one 8,000 SCM two 10,000 SCFM incinerators in Chicago P.O. #35T-4940.
(H) Start up for F-7411-E.

#7424: National Aluminum
Location: Alhambra, California
Date: April-May-August and September, 1973
Design and construct roller harth glass tempering furnace.
(A) Design and provide furnace modifications.
(B) Furnish vibrations.

#7506: Ralph M. Parsons
Union Oil Company
Location: Wilmington, California
Date: March, April and May, 1973
Refractory linings - sulfur recovery unit.
(A) Fireproofing vessels #15-1101, #15-1102.
(B) Repair fire walls.

#7548: Mission Clay Products
Location: Sante Fe Springs
Date: April, 1973
Supply oil burner systems for four periodic kelms.
(A) Supply safety equipment.

#7550: Richfeld (Arco)
Location: Watson
Date: May, 1973
FCC turn around - refractory repair.
(A) Repair regenerator cyclones,
(B) Repair reactor,
(C) Repair reactor stand pipe,
(D) Regenerator side walls.

#7587: Gulf Oil Company
Location: Sante Fe Springs, California
Date: March and April, 1973
Repairs to regenerator and flue gas lines.
(A) Repairs to cat. cracker feed heaters #H1A and #H1B.
(B) Repairs to C.O. boiler.
(C) Repairs to incinerator HCH 1 and 2.
(D) Repairs to HCH 1 heater.
(F) Repairs to RH-1B and RH-1C heater.
(G) Repairs to hydrogen heater.

#7604: Chicago Bridge and Iron Company
Arco
Location: Carson, California
Date: May, 1973
Refractory repairs FCC regenerator.

#7649: Ralph M. Parsons
Texaco Inc.
Location:
Date: June, 1973
Refractory lining furnace H751 sulfur recovery unit.

#7747: Nickels Engineering and Research Corp.
County Water District
Location: Fountain Valley, California
Date: January and March, 1974
Refractory linings to multiple harth furnace.
(A) Materials supplied.

#7756: Blue prints for Continental Can Company.

<u>BOX #19</u>:

#7700: Connoco (Continental Oil Company)
Location: Lake Charles, Louisiana
Date: Approximately November, 1973
Design detrick wall and arch materials for coke calcining incinerator.

#7756: Continental Can Company
Location: Chicago, Illinois
Date:
Design and construct one 8,000 SCFM and two 10,000 SCFM fume incinerators.
(A) New design and walls for electrical control.
(B) Heat exchanger rework.

BOX #20:

#7768: Ortloff Corporation
Location: Arkansas
Ashly Louisiana Gas Company (Shreveport, Louisiana)
Location: Arapaho, Oklahoma
Date: October, 1973
170' exhaust dock

#7492: Holly Sugar
Location: Rolley, California
Date: January, 1974
Repairs to #1 and #2 dryer furnace
(A) Refractory installation on seven burners, on dryers #1, #2 and #3.
(B) Extra work.

#7967: The Texas Company
Location: Wilmington, California
Date:
Insulation linings in NC8-C-22-A and C-22-B fluid cracking unit.

#7920: Arthur G. McKee and Co.
Exxon Co.
Bayway Refinery
Location: Lindon, New Jersey
Date: July, 1974
Design and construct waste gas incinerator
(A) Supply extra material.

#7920: Arthur G. McKee and Co.
Exxon Co.
Bayway Refinery
Location: Lindon, New Jersey
Date: July, 1974
Design and construct waste gas incinerator supply extra material. (Two files)

#8195: Ralph and Parsons Co.
Service Oil Co.
Location: Lake Charles, Louisiana
Date: April, 1975
Supply thermal oxidizer with stack.
(A) Add electric motor and stock.
(B) Drive motor for weather cap.

#8195: Ralph and Parsons
City Service Oil Co.
Location: Lake Charles, Louisiana
Date:
Design and supply thermal oxidizer with stack.

#8330: Parsons Arco
Location: Houston, Texas
Date: August, November 1975
Design and supply thermal oxidizer. (Two files)

#8434: Continental Can Company
Plant #462
Location: Sparrow Point, Maryland
Date: September, 1976
Installation of 14,000 SC and fume incinerator.

#8038: The Floor Corporation Limited
Standard Oil Company, California
Location: El Segundo, California
Date:
Gunite linings for regenerator and reactor.
(A) Lining for cyclones catalyst U-bend flue-gas lines and flue-gas coolers.

#8343: Ralph and Parsons
Standard Oil Company
Location: Ohio, Toledo, Ohio
Date: April, 1975
Design and supply thermal oxidizer. (Two folders).

<u>BOX #21</u>:

#8386: Stauffer Chemical Company
Location: Henderson, Nevada
Date: September, 1974
Labor to line 1 (1) backing stripper.

#8389: Arthur G. McKee and Co.
Exxon Co. U.S.A.
Bayway Refinery
Location: Lindon, New Jersey
Date: March, 1975
Design and supply combustor.

#8363: Ralph M. Parsons Co. Arco
Location: Carson
Date: March, June, 1975
Design and construct thermal oxidizer.

#8390: Arthur G. McKee Co.
Exxon Co. U.S.A.
Batton Rouge Refinery
Location: Louisiana
Date: March, 1975

#8439: Additional blue prints (See box #22a).

BOX #22:

#8439: Continental Can Company
Various blue prints.

#8440: Continental Can Company
Location: Baltimore, Maryland
Date: July, 1975
Fabrication of standard 14,000 CFM incinerator for installation at CCP-16-A.

#8444: Continental Can Company
Date: September, 1976
Line of catalytic frame for standard incinerator.

#8673: United States Airforce Engineering and Development
Location: Oklahoma, Tullahona, Tennessee
Date: May, 1976
Supply and install refractory materials in pebble air heater.
(A) Partial spare lining.

#8682: Ralph M. Parsons Northern Natural Gas Co.
Location: Knobbs, New Mexico
Date: November, 1975
Design and supply one thermal oxidizer.

#8170: Apros-Vulcan Benton
Location: Arkansas
Date: November, 1974
Design and construct one 80,000 aluminum melting furnace.

#8757: Parsons-Gurden Sarcheshmen
Location:
Date: February, 1976
Supply burners and supports.

#8780: CF Braun
Location:
Date:
Fittings for collier carbon and chem.

#8799: Texaco
Location: Wilmington
Date: May, 1975
Repairs to reactor: Repairs to regenerator, repairs to regenerator cyclone, repairs to the C22 lines, repairs to the FCC unit water side tank, repairs to the C8 line, repairs and sandblast dip legs of reactor.

BOX #23:

#9259: AP Thorpe and Son Chevron Chemical
Location: Richmond, California
Date: November, December, 1976
Engineering only for thermal oxidizer system.

BOX #30:

Job #8903: Steel Casting
Location: Los Angeles
Date: July, 1975.

Job #8931: Great Lakes Carbon
Location: Wilmington
Date: August, 1975.

Job #8937: Pacific Smelting
Location: Torrance
Date: September, 1975.

Job #8956: Martin Marietta Aluminum
Location: Torrance
Date: October, 1975.

Job #8979: H. Kramer
Location: El Segundo
Date: October, 1975.

Job #9065: Collier Carbon and Chemical Corporation
Location: Wilmington
Date: May, 1976.

Job #9071: Collier Carbon and Chemical Corporation
Location: Brea
Date: March, 1976.

Job #9073: N.L. Industries
Location: Los Angeles
Date: January, 1976.

Job #9076: Martin Marietta Aluminum
Location: Torrance
Date: January, 1976.

Job #9083: Philadelphia Quartz
Location: South Gate
Date: December, 1975

Job #9128: Apex Smelting Corporation
Location: Long Beach
Date: January, 1976.

Job #9136: Thatcher Glass Corporation
Location: Suagus
Date: April, 1976.

Job #9154: Higgins Brick Corporation
Location: Chino
Date: February, 1976.

Job #9198: Celotex
Location: Los Angeles
Date: April, 1976.

Job #9200: Atlantic Richfield Corporation
Location: Wilmington
Date: June, 1976.

Job #9212: Collier Carbon and Chemical Corporation
Location: Santa Maria
Date: April, 1976.

Job #9213: Douglas Oil
Location: Paramount
Date: April, 1976.

Job #9230: Standard Oil
Location: El Segundo
Date: April, 1976.

Job #9237: Kerr Glass
Location: Santa Ana
Date: April, 1976.

Job #9238: Thatcher Glass
Location: Saugus
Date: May, 1976.

Job #9277: Union Oil Corporation
Location: Wilmington
Date: June, 1976.

Job #9283: Standard Oil Corporation
Location: El Segundo
Date: June, 1976.

Job #9290: Norris Industries
Location: Vernon
Date: June, 1976.

Job #9291: Commercial Enameling
Location: Los Angeles
Date: June, 1972.

Job #9299: Selas Corporation, and Standard Oil
Location: El Segundo
Date: July, 1976.

Job #9309: H. Kramer Corporation
Location: El Segundo
Date: July, 1976.

Job #9303: Philadelphia Quartz
Location: South Gate
Date: June, 1976.

Job #9312: Bethlehem Steel
Location: Vernon
Date: May, 1976.

<u>BOX #31</u>:

Job #8535: Martin Marietta Aluminum
Location: Torrance
Repair to #11 revert furnace
Date: November, 1974.

Job #8554: Standard Oil Company
Location: El Segundo
Repair to bottom drum head of coker
Date: November, 1974.

Job #8560: Shell Oil Company
Location: Dominguez
Repair to #4 furnace
Date: November, 1974.

Job #8563: Martin Marietta Aluminum
Location: Torrance
Repairs to #2 furnace
Date: November, 1974.

Job #8579: Jorgensen Steel
Location: Los Angeles
Repairs to #2 boiler
Date: December, 1974.

Job #8592: Thatcher Glass
Location: Saugus
Repair to #1 glass tank
Date: January, 1975.

Job #8616: Collier Carbon and Chemical
Location: Brea
Rebrick elbow reformer
Date: January, 1974.

Job #8622: Union Carbide
Location: Torrance
Repairs to #5 cracking furnace
Date: January, 1975.

Job #8630: Thatcher Glass
Location: Saugus
Hot patch #3 furnace
Date: December, 1974 - January, 1975.

Job #8631: Philadelphia Quartz
Location: South Gate
Necessary repairs to cilacade furnace
Date: February, 1975.

Job #8650: Earle M. Jorgensen
Location: Seattle
Design and construct 18' by 21' carbottom forge furnace
Date: May - June, 1975.

Job #8650: Earle M. Jorgensen
Location: Seattle
Date: May - June, 1975.

Job #8661: Anaconda American Brass
Location: Paramount
Ram 1
Date: January, 1975.

Job #8710: A. Apros
Location:
Lining for dryer, combustion collector and miscellaneous ducts and sheets
Date: October - November, 1975.

Job #8710: A. Apros, Vulcan Materials
Location: Benton, Arkansas
Design and construct one special 80,000 aluminum melting furnace
Date:

Job #8720: Atlantic Richfield Company
Location: Wilmington
Refractory repairs
Date: April, 1975.

Job #8742: Jorgensen Steel
Location: Los Angeles
Remove and replace floor complete #5 furnace
Date: April, 1975.

Job #8745: CF Braun, Standard Oil Company
Location: El Segundo
Labor only to install lining in flaregas ground flare
Date: May, 1975.

Job #8754: Bird and Sons
Location: Wilmington
Modify and repair refractory piping system
Date: May, 1975.

Job #8766: Martin Marietta Aluminum
Location: Torrance
Necessary repair to #1 furnace
Date: April, 1975.

Job #8901: Kaiser Steel
Location: Fontana
Design and construct furnace
Date: October, 1975.

BOX #32:

Job #4100: Kaiser Steel Corporation
Location: Fontana
Design and construct stress relieving furnace
Date: November, 1966 - January, 1967.

Job #4114: Collier Carbon and Chemical Corporation
Location: Santa Maria
Furnish and install refactory lining in new kilm.
Date: November, 1966.

Job #4125: Standard Oil Company
Location: El Segundo
Necessary repairs to F1 and F2 furnaces unit #48
Date: August, 1966.

Job #4149: International Extrusion Corporation
Location: Alhambra
Design and construct one aluminum 80,000 homogenizing furnace
Date: June, 1967.

Job #4150: Kaiser Refractories, Allison Steel
Location: Tempe, Arizona
Rebuild side walls and reheat furnace
Date: September, 1966.

Job #4176: U.S. Borax and Chemical
Location: Boron
Repair #1 RA furnace; repair 2 RA furnace
Date: September, 1966.

Job #4180: Shell Oil Company
Location: Dominguez
Necessary repairs to #1 vaccum flasher; necessary repairs to heater 13 and 14
Date: August, 1966.

Job #4290: Soule Steel
Location: Dominguez
Repair reheat furnace
Date: November - December, 1966.

Job #4348: Stauffer Chemical Company
Location: Dominguez
Repair #1 absorbing tower plant #1
Date: January, 1967.

Job #4375: Fibreboard Products Company
Location: Vernon
Repair to roof arch on #5 boiler
Date: January, 1967.

Job #4397: U.S. Steel Corporation
Location: Torrance
Repair stack on bloom furnace.
Date: January, 1967.

Job #4421: Hall Hast Pleating Company
Location: Paramount
Design and construct one 6' x 16' draw furnace
Date: July, 1967.

Job #4400: Harvey Aluminum
Location: Torrance
Repair #5 furnace
Date: February, 1967.

BOX #33:

Job #7465: Mobil Oil
Location: Torrance, California
Repair regenerator. (A) repair reactor riser line. (B) repair overhead lines. (C) repair orifice. (D) repair coal boiler. (E) repair regenerator cyclone. (F) repair reactor cyclone, etc.
Date: March, 1973.

Job #7472: International Extrusion
Location: Alhambra, California
Construct 90,000 homogenizing furnace.
Date: March, 1973.

Job #7483: Alcan Aluminum
Location: Riverside, California
Repair to #65 furnace
Date: January, 1973.

Job #7484: Alcan Aluminum
Location: Riverside, California
Repairs to #8 furnace.
Date: January, 1973.

Job #7488: H. Kramer Company
Location: El Segundo, California
Repair to #1 reverb.
Date: January, 1973.

Job #7500: Carlton Forge Works
Location: Paramount, California
Design and construct one carbottom forge furnace.
Repair brick in two doors and two detrick arches.
Date: September, 1973.

Job #7511: Martin Mariotta Aluminum
Location: Torrance, California
Repairs to #ten furnace.
Date: January, 1973.

Job #7516: Pacific Smelting
Location: Torrance, California
Repairs to #1 muffle furnace.
Date: February, 1973.

Job #7517: Jorgensen
Location: Los Angeles, California
Repair to #three furnace.
Date: January, 1973.

Job #7519: Hitco Furnace
Location: Torrance, California
Furnish detrick arch for luminous wall, ceramic fabric furnace.
Date: January, 1973.

Job #7522: Marathon Steel Company
Location: Tempe, Arizona
Supply labor and material to reline biloet-heating furnace.
Date: June, 1973.

Job #7523: Texaco Inc.
Location: Wilmington, California
Repair #5 boiler.
Date: January, 1973.

Job #7527: Gulf Oil
Location: Sante Fe Springs, California
Supply and install refractory materials for duct lining and heater modification. (A) two inch lining with fifty-four inch ducts and replace with #four lining.
Date: April, 1973.

BOX #34:

Job #7063: Great Lakes
Location: Wilmington, California
Repair to #two kiln firing hood and discharge chute. Repairs to settling chamber.
Date: March, 1972

Job #7076: Soule Steel Company
Location: Long Beach, California
Repairs to reheat furnace.
Date: Approximately February, 1972

Job #7086: Earl M. Jorgensen Company
Location: Seattle, Washington
Brick repairs to furnaces #10,11
Date: Approximately April, 1972

Job #7090: Stauffer Chemical
Location: Dominguez, California
Fledge furnace plant #1. (A) rebrick sledge furnace dust chamber outlet. (B) clean out hot gas flu and make repair to quench tower.
Date: Approximately March, 1972

Job #7171: E.M. Jorgensen Company
Location: Seattle, Washington
Construct 15' x 38" car bottom heat treat furnace.
Date: June, 1972

Job #7172: Standard Oil Company
Location: El Segundo, California
Repair F301 hydrogen.
Date: April, 1972

Job #7173: Standard Oil Company
Location: El Segundo, California
Repair to hydrofinder.
Date: Approximately May, 1972

Job #7193: Soule Steel Company
Location: Long Beach, California
Repair reheat furnace.
Date: June, 1972

Job #7225: Phelps Dodge Corporation
Location: Morenci, Arizona
Labor only to repair #three reverb furnace
Date: July, 1972

Job #7239: Wilmac Construction Company
Kaiser Gypsum
Location: Long Beach, California
Furnish and install refractories in gypsum kettles and hot pits.
Date: September, 1972

Job #7284: Proctor and Gamble Manufacturing Company
Location: Long Beach, California
Peabody furnaces.
Date: August, 1972

Job #7297: Ametek Aluminum
Location: Los Angeles, California
-Repair charging door jams and sell 50,000 # melting furnace. (A) rework of door joints and seals for previous repair job.
Date: August, 1972

Job #7300: Monsanto Chemical
Location: Long Beach, California
Repair to #three burner.
Date: August, 1972

Job #7302: Monsanto Chemical
Location: Long Beach, California
Repair to #two burner.
Date: August, 1972

Job #7334: Quemetco Inc.
Location: City of Industry
Work, equipment and supervision to repair the refractory lining in reverbetatory lead furnace.
Date: September, 1972.

Job #7376: Powerine Oil Company
Location: Santa Fe Springs, California
Billed repair to South FW boiler.
Date: October, 1972

Job #7390: Martin Marietta
Location: Torrance, California
Repair to #1 mesta press furnace.
Date: November, 1972

Job #7415: Great Lakes Carbon
Location: Wilmington, California
Insulate #two stack.
Date of Job: November, 1972

Job #7419: Pozzo Construction Company
Location: Mary's Hospital, Long Beach, California
Repair damage to packaged boiler.
Date: November, 1972

Job #7423: Thatcher Glass
Location: Saugus, California
Rebuild furnace #two.
Date: December, 1972

Job #7435: Great Lakes Carbon
Location: Wilmington, California
Plate #three stack.
Date: December, 1972

BOX #35:

Job #6304: Glass Containers
Location: Los Angeles
Date: June, 1970.

Job #6321: Texaco Inc.
Location: Wilmington
Date: July, 1970.

Job #6325: Harvey Aluminum of Washington
Location: Torrance
Date: Approximately August - September, 1971.

Job #6325: Harvey Aluminum of Washington
Location: Torrance
Date: Approximately August - September, 1971.

Job #6325: Harvey Aluminum of Washington
Location: Torrance
Approximately August - September, 1971.

Job #6325: Harvey Aluminum of Washington
Location: Torrance
Date: July, 1971.

Job #6331: Watson Carbon and Chemical
Location: Wilmington
Date: July, 1970.

Job #6369: Soule Steel
Location: Dominguez
Date: September, 1970.

Job #6376: Aluminum Company of America
Location: Vernon
Date: November, 1970.

Job #6454: W.R. Grace and Company, Davison Chemical Division
Location: South Gate
Date: December, 1970.

Job #6475: Kaiser Steel Company
Location: Fontanna
November, 1970 - January, 1971.

Job #6520: Thatcher Glass Company
Location: Saugus
Date: January, 1971.

Job #6552: Collier Carbon and Chemical Corporation
Location: Brea
Date: February, 1971.

Job #6595: Thatcher Glass Company
Location: Saugus
Date: May, 1971.

BOX #36

Job #3489-A: Reuland Electric
Location: City of Industry
Date: August, 1965
September, 1965.

Job #3852: Hale Heat Treating Company
Location: Paramount
Date: February, 1966 - June, 1966
May 1967 - June, 1967.

Job #3851: Hale Heat Treating Company
Location: Paramount
January - March, 1966.

Job #3826: American Can Company
Location: Wilmington
Date: January, 1966 - March, 1966.

Job #3824: Glass Containers Corporation
Location: Vernon
December, 1965.

Job #3822: Kaiser Cement and Gypsum Corporation
Location: Cushenbury
Date: December, 1965.

Job #3771: H. Kramer Company
Location: El Segundo
Date: November, 1965 - January, 1966.

Job #3736: Pacific Crane and Rigging Company
Monsanto Chemical Company
Location: Paramount
Date: December, 1965 - February, 1966.

Job #3676: Thatcher Glass Manufacturing Company
Location: Saugus
Date: August, 1965 - September, 1965.

Job #3662: Interpace
Location: South Gate
Date: August and September, 1965.

Job #3647: U.S. Borax and Chemical Corporation
Location: Boron
Date: August, 1965.

Job #3635: U.S. Borax Research Corporation
Location: Boron
Date: August, 1965.

Job #3551: Great Lakes Carpen Company
Location: Lompoc
Date: May and June, 1965.

Job #3548: U.S. Borax and Chemical Corporation
Location: Boron
Date: August, 1965.

Job #3527: Union Oil Company of California
Location: Wilmington
Date: April, 1965.

BOX #37:

Job #7761: Shell Oil Company
Location: Dominguez, California
Repair #nine boiler.
Date: July, 1973

Job #7762: Soule Steel Company
Location: Long Beach, California
Repair reheat furnace.
Date: July, 1973

Job #7763: Standard Oil Company
Location: El Segundo, California
Repair F610 a and b isomax furnace.
Date: July, 1973.

Job #7766: Armco Steel
Location: Torrance, California
Design and construct portable heat treating furnace. "Pre-heat hood".
Date: October, 1973.

Job #7775: Bethlehem Steel
Location: Wilmington, California
Labor and material to repair 12" mill furnace, _ detrick roof.
Date: August, 1973.

Job #7779: Valley Brass Foundery
Location: Alhambra, California
El Monte, California
Install linings in furnaces.
Date: August, 1973.

Job #7793: Phelps Dodge Tube Company
Location: Los Angeles, California
Labor and materials to lower slag door on ascast. (A) labor and materials for repair to rest of furnace.
Date: August, 1973.

Job #7824: Arco
Location: Wilmington, California
Build scaffold on tcc #1 and tcc #2 de flores heater.
Date: February, 1974.

Job #7838: Stouffer Chemical Company
Location: Dominguez, California
Install acid brick linings in a manhole; sewer patch basin and pump.
Date: September, 1973.

Job #7874: H Kramer and Company
Location: El Segundo, California
Repair #1 reverb.
Date: November, 1973.

Job #7862: Philadelphia Quartz
Location: South Gate, California
Repairs to cylicade furnaces.
Date: September, 1973.

Job #7886: Phelps Dodge Tube Company
Location: Los Angeles, California
Replace the main arch in #680 annealing furnace.
Date: September, 1973.

Job #7895: Valley Brass
Location: El Monte, California
Install lining in furnace.
Date: October, 1973.

Job #7904: Starkist Foods, Inc.
Location: Terminal Island, California
Date: October, 1973.

Job #7910: Hopping Foundery
Location: Pasadena, California
Tear out and install refractory in rotary hearth furnace.
Date: October, 1973.
Additional job: Date: January 25, 1974 ?

Job #7916: Western Brass
Location: Los Angeles, California
Ram an inductor.
Date: October, 1973 - January, 1974.

Job #7924: Jorgensen Steel
Location: Los Angeles, California
Repair to South 7 1/2 furnace.
Date: November, 1973.

Job #7931: Norris Industries
Location, Maywood, California
Repair to #1 and #two draw furnaces and #1 and #two hard furnaces.
Date: November, 1973.

Job #7933: Mobil Oil
Location: Torrance, California
Refractory lining flare stack.
Date: January - February, 1974.

Job #7936: Marietta Aluminum
Location: Torrance, California
Repairs to ajax furnace.
Date: December, 1973.

Job #7952: Martin Marietta Carbon
Location: Carson, California
Repair kiln.
Date: November, 1973.

BOX #38:

Job #5988: Harvey Aluminum
Location: Torrance
Date: December, 1969

Job #5987: International Extrusion
Location: Alhambra
Date: December, 1969.

Job #5978: Collier Carbon and Chemical Corporation
Location: Santa Maria
Date: February, 1970.

Job #5972: Phelps Dodge Copper Products Corporation
Location: Los Angeles
Date: November, 1969.

Job #5967: Harvey Aluminum
Location: Torrance
Date: November, 1969.

Job #5958: Harvey Aluminum
Location: Torrance
Date: October, 1969.

Job #5953: Harvey Aluminum
Location: Torrance
Date: October, 1969.

Job #5945: General Welding Company
Location: Alhambra
Date: November, 1969.

Job #5933: Jorgensen Steel
Location: Los Angeles
Date: October, 1969.

Job #5931: Grefco
Location: Lompoc
Date: October, 1969.

Job #5924: Stauffer Chemical Company
Location: South Gate
Date: October, 1969.

Job #5915: Shell Oil Company
Location: Watson
Date: October, 1969.

Job #5906: Standard Oil
Location: El Segundo
Date: October, 1969.

Job #5864: U.S. Reduction
Location: Ontario
Date: September, 1969.

Job #5859: Copeland Process Corporation
Pozzolan Products Incorporated
Location: Oakbrook, Illinois
Location: Casmalia, California
Date: September, 1969.

Job #5821: Ace Foundery
Location: Huntington Park
Date: August, 1969.

Job #5674: Collier Carbon and Chemical Corporation
Location: Brea
Date: May, 1969.

Job #5668: Collier Carbon and Chemical Corporation
Location: Brea
Date: May, 1969.

Job #5494: Norris Industries
Location: Vernon
Date: January, 1969.

BOX #39:

Job #7533: Stauffer Chemical
Location: Dominguez
Repair #3 caustic pot
Date: January, 1973.

Job #7569: Interpace
Location: Glendale
Repair pottery #25
Date: April - June, 1973.

Job #7582: Standard Oil Company
Location: El Segundo
Repair #2 cox reformer
Date: March, 1973.

Job #7586: H. Kramer and Co.
Location: El Segundo
Reline #1 rotary furnace
Date: March 16, 1973.

Job #7595: Bethlehem Steel Corporation
Location: Vernon
Repair acid brick lining
Date: March, 1973.

Job #7600: Martin Marietta Aluminum
Location: Torrance
Repair #9 furnace
Date: April - May, 1973.

Job #7625: Arco
Location: Carson
Repairs to C.O. boiler
Date: April - June, 1973.

Job #7635: H.Kramer and Co.
Location: El Segundo
Repair flue
Date: April, 1973.

Job #7637: Standard Oil Company
Location: El Segundo
Repair to #33 boiler
Date: April, 1973.

Job #7641: Steel Casting
Location: Vernon
Repair arch and supports
Date: May, 1973.

Job #7645: Bethlehem Steel
Location: Vernon
Repair 12" mill furnace roof
Date: Approximately August, 1973.

Job #7647: Powerine Oil
Location: Sante Fe Springs
Date: May, 1973.

Job #7684: Martin Marietta Aluminum
Location: Torrance
Repair to #10 furnace
Date: June, 1973.

Job #7687: Martin Marietta Aluminum
Location: Carson
Repairs to cooler section
Date: June, 1973.

Job #7692: Crosby and Overton
Location: Long Beach
Reline 14 fireboxes
Date: May - July, 1973.

Job #7705: Martin Marietta Aluminum
Location: Torrance
Repairs to #11 furnace
Date: May, 1973.

Job #7707: Joslyn Pacific
Location: Dominguez
Supply and install 2 galvanizing rotiles
Date: December, 1973
Note: Large file.

Job #7719: Martin Marietta Aluminum
Location: Torrance
Repairs to #8 furnace
Date: June, 1973.

Job #7720: Standard Oil Company
Location: El Segundo
Repair to #34 boiler
Date: June, 1973.

Job #7721: Morris Industries
Location: Vernon
Repair sun beam furnace
Date: June, 1973.

Job #7723: Light Weight Processing Company
Location: Ventura
Repair to #11 kiom lining
Date: June, 1973.

Job #7725: Standard Oil Company
Location: El Segundo
Replace haydit
Date: July, 1973.

<u>BOX #40</u>:

Job #6760: Starkist Tuna Inc.
Location: Terminal Island
Date: September, 1971.

Job #6600: Thatcher Glass Company
Location: Saugus
Date: May, 1971.

Job #6820: Standard Oil Company
Location: El Segundo
Date: August, 1971.

Job #6842: L.W. Lefort Corporation
Location: Anaheim
Date: September, 1971.

Job #6868: Earle M. Jorgenson Corporation
Location: Seattle
Date: February, 1972.

Job #6878: Soule Steel Corporation
Location: Long Beach
Date: October, 1971.

Job #6896: Mobil Oil Corporation
Location: Sante Fe Springs
Date: December, 1971.

Job #6965: Stauffer Chemical Corporation
Location: Dominguez
Date: December, 1971.

Job #6990: Stauffer Chemical Corporation
Location: Dominguez
Date: December, 1971.

Job #6995: Ametek Aluminum Extrusion Corporation
Location: Los Angeles
Date: January, 1972.

Job #6722: Stauffer Chemical Corporation
Location: Dominguez
Date: December, 1971.

Job #6984: Shell Chemical Company
Location: Ventura
Date: December, 1971.

Job #6915: Standard Oil Company
Location: El Segundo
Date: October, 1971.

Job #6910: Emery Industries
Location: City of Commerce
Date: October, 1971.

Job #6843: Collier Carbon and Chemical Corporation
Location: Wilmington
Date: November, 1971.

Job #6810: Bethlehem Steel Corporation
Location: Vernon
Date: 1971.

Job #6810: Bethlehem Steel Corporation
Location: Vernon
Date: September, 1971
Note: Large job file.

BOX #41:

Job #6009: Monsanto Chemical
Location: Long, Beach, California
Repair calciner combustion unit.
Date: December, 1969.

Job #6014: Soule Steel
Location: Long Beach, California
Repair reheat furnace
Date: December, 1969
January, 1970.

Job #6048: Continental Can Company
Location: Los Angeles, California
Repair #1 union iron works boiler.
Date: January, 1970.

Job #6055: Horton Process Division
Chicago Bridge and Iron
Pozzolan Products Casmalia California
Location: Oakbrook, Illinois
(A) labor and materials miscellaneous repair work above reactor orifice plates. (B) reactor orifice plate install refractory lining in duct work and cyclone.
Date: June, 1970.

Job #6060: Latchford Glass
Location: None given
Date: January, 1970.

Job #6061: Monsanto Chemical Company
Location: Long Beach, California
Repair to #three burner.
Date: January, 1970.

Job #6089: Morris P. Kirk, Division of Pioneer Aluminum
Location: Long Beach, California
Design and construct #1 aluminum chip melting furnace.
Date: March, 1970.

Job #6089: Morris P. Kirk, Division of Pioneer Aluminum
Location: Long Beach, California
Design and construct #1 aluminum chip melting furnace.
Date: July, 1970.

Job #6110: Union Carbide and Chemical
Location: Torrance, California
Repair #1 furnace. (A)repair to sludge furnace.
Date: March, 1970.

Job #6123: National Supply Company, Division of Arco Steel
Location: Torrance, California
Labor only to install paco lining in #2950 Press Forge furnace.
Date: February, 1970.

Job #6158: Collier Carbon and Chemical Corporation
Location: Brea, California
Repair H to transfer line. (A)repair primary reformer.
Date: March, 1970.

Job #6163: Harvey Aluminum
Location: Torrance, California
Labor to repair #1 foil mill furnace.
Date: March, 1970.

Job #6175: Texaco Inc.
Location: Wilmington, California
Repairs to reactor.
Date: April, 1970.

Job #6179: Phelps Dodge
Location: Los Angeles, California
Repairs to surface combustion of rotary hearth.
Date: April, 1970.

Job #6206: Soule Steel
Location: Long Beach, California
Repair hearth for reheat furnace.
Date: April, 1970.

Job #6213: Aluminum Extrusion
Location: Los Angeles, California
Install refractory lining in 40,000 melting furnace and 2,800 holding furnace.
Date: May, 1970.

Job #6215: Kerr Glass
Location: Santa Ana, California
Repair regenerator.
Date: May, 1970.

Job #6236: E. M. Jorgensen Company
Location: Los Angeles, California
Repair #six press furnace.
Date: May, 1970.

Job #6239: Harvey Aluminum
Location: Torrance, California
Labor to repair #1 furnace.
Date: May, 1970.

Job #6264: Harvey Aluminum
Location: Torrance, California
Labor only to repair #two oil furnace.
Date: May, 1970.

Job #6296: Harvey Aluminum
Location: Torrance, California
Labor to repair #five furnace.
Date: July, 1970.

BOX #42:

Job #2970: Thatcher Glass Manufacturing Company, Inc.
Location: Saugus
Factory construction new glass melting furnace.
Date: 1964.
Numerous files on this job.

Job #3054: Wilshire Bechtel Corporation Oil
Location: Sante Fe Springs
Date: April - November, 1964.

Job #3069: U.S. Borax and Chemical Corporation
Location: Boron
Rebrick #4ab furnace plant #5 with purocast granite roof
Date: April, 1964.

Job #3094: Federated Metals
Location: Los Angeles
Rebuild stack #2 brass furnace
Date: May, 1964.

Job #3136: CC Moore and Company Emporium, Southern California Edison Company
Location: Huntington Beach
Unit UP 4
Date: June, 1964.

Job #3143: Stauffer Chemical Company
Location: Dominguez
Date: June, 1964.

Job #3145: Stauffer Chemical Company
Location: Dominguez
Date: June, 1964.

BOX #43:

Job #7955: Glass Containers Corporation
Location: Vernon
Rebuild #1 furnace
Date: December, 1973
Note: Large job file.

Job #7961: Valley Brass
Location: El Monte
Install lining in furnace
Date: November, 1973.

Job #7964: Glass Container
Location: Vernon
Date: November, 1973.

Job #7979: Ralph and Parsons
Location: Los Angeles
Refractory lining 6 experimental reaction for this
Date: March - April, 1974.

Job #8003: Glass Container
Location: Vernon
Extra work on checkers
Date: December, 1973 - February, 1974.

Job #8039: Kerr Glass
Location: Santa Ana
Tank rebuild
Date: February, 1974.

Job #8040: Norris Industries
Location: Maywood
Repair to #1 hard furnace
Date: January, 1974.

Job #8054: Valley Brass
Location: El Monte
Install lining in furnace
Date: January, 1974.

Job #8063: Triscopetro
Location: Bakersfield
Repair brick work on inside of boiler #2
Date: October, 1974.

Job #8104: Martin Marietta Aluminum
Location: Torrance
Labor and material for #8 aluminum reverb
Date: May, 1974.

Job #8130: Felco
Location: Canoga Park
Supply and design material to install refractory lining in fire sodium heater
Date: February - March, 1975.

Job #8132: H. Kramer and Company
Location: El Segundo
Repairs to #3 reverb
Date: March - April, 1974.

Job #8159: Martin Marietta Aluminum
Location: Torrance
Repairs to #6 furnace
Date: March, 1974.

Job #8164: Martin Marietta Aluminum
Location: Torrance
Repair to #number 9 furnace
Date: April, 1974.

BOX #44:

Job #5004: Philadelphia Quartz, URATZ
Location: South Gate, California
Repair cylica furnace.
Date: February, 1968

Job #5021: Standard Oil Company
Location: El Segundo, California
Repair boiler #56 at #3 boiler house.
Date: March, 1968

Job #5026: Alexander H. Kerr Company
Location: Santa Ana, California
Rebuild glass tank (A) construct arch contor and supports.
Date: June, 1968

Job #5027: Standard Oil Company
Location: El Segundo, California
Repair #11 unit.
Date of Service: March, 1968

Job #5038: Standard Oil Company
Location: El Segundo, California
Repair #1 unit.
Date: March, 1968

Job #5042: Thatcher Glass
Location: Saugus, California
Repair #two glass tank (A) repair to forehearth.
Date: March, 1968

Job #5081: Monsanto Chemical Company
Location: Long Beach, California
Repair north unit of combustion tunnel.
Date of Repair: March, 1968

Job #5100: Armco Steel National Supply Division
Location: Torrance, California
Design and construct 22' x 30' car bottom heat treat furnace.
Date: October, 1968

Job #5100: Armco Steel National Supply Division
Location: Torrance, California
Design and construct 22' x 30' car bottom heat treat furnace. (A) Place insulating capsule in furnace floor.

BOX #45:

Job #8194: Martin Marietta Aluminum
Location: Torrance
Supply and install steel for modification of melting furnace
Date: June, 1974.

Job #8200: Ametec Aluminum
Location: Los Angeles
Refractory lining for 40,000 melting furnace
Date: December, 1974.

Job #8218: American King Company
Location: Los Angeles
Repairs to #3 furnace
Date: April, 1974.

Job #8219: Glass Container Company
Location: Los Angeles
Repairs to tank #2
Date: April, 1974.

Job #8234: Monsanto Chemical
Location: Long Beach
Repair to #2 unit
Date: May, 1974.

Job #8235: Steel Casting
Location: Los Angeles
Repair to #2 furnace
Date: May, 1974.

Job #8236: Union Oil Company
Location: Wilminton
Repair to cataracker turn around
Date: May, 1974.

Job #8240: Daton Foundery
Location: South Gate
2m induction casing
Date: May - June, 1974.

Job #8251: Bethlehem Steel Company
Location: Los Angeles
Supply and design materials to modify 10" billot heating furnace
Date: August, 1974.

Job #8261: Morris Industries
Location: Maywood
Repair to #1 hard furnace
Date: June, 1974.

Job #8268: Atlantic Richfield
Location: Carson
Repairs to #1 coker furnace
Date: May, 1974.

Job #8273: MW Kellog
Location: Paramount
Repairs to stress relieving furnace
Date: July, 1974.

Job #8285: Martin Marietta Aluminum
Location: Torrance
Repair to #11 furnace
Date: June, 1974.

Job #8302: Starkist Tuna
Location: Terminal Island
Repair to large and small dryers
Date: July, 1974.

Job #8312: Martin Marietta Aluminum
Location: Torrance
Repair to normalizing furnace
Date: June, 1974.

Job #8320: Norris Industries
Location: Maywood
Repair to #1 pan furnace
Date: July, 1974.

Job #8414: Anaconda American Brass
Location: Paramount
Tear out two lowercases of cash shop furnace
Date: September, 1974.

Job #8421: Philadelphia Quartz
Location: South Gate
Repairs to cilicade furnace
Date: September, 1974.

Job #8454: Martin Marietta Aluminum
Location: Torrance
Repairs to #9 furnace
Date: September, 1974.

Job #8457: H. Kramer and Company
Location: El Segundo
Repair to flue
Date: September, 1974.

Job #8462 Martin Marietta Aluminum
Location: Torrance
Labor and material to modify #4 melter (big job)
Date: October, 1974 - March, 1975
Note: Large job file.

Job #8463: Western Brass
Location: Los Angeles
Ram inductor
Date: September, 1974.

Job #8468: Martin Marietta Aluminum
Location: Torrance
Furnish 1 Ajax furnace
Date: October, 1974.

Job #8478: Martin Marietta Aluminum
Location: Torrance
Repairs to #10 power furnace
Date: October, 1974.

Job #8498: Anaconda American Brass
Location:
Repair crucibal
Date: October, 1974.

Job #8501: Morris Industries
Location: Maywood
Repair to #2 jaw furnace
Date: October, 1974.

Job #8502: Vista Metals
Location: Fontana
Miscellaneous repairs to furnace #1
Date: November, 1974.

Job #8504: Martin Marietta Aluminum
Location: Torrance
Modification lining for #3 melting furnace
Date: January - February, 1975.

Job #8506: Anaconda American Brass
Location: Paramount
Ram two inductors
Date: November, 1974.

Job #8512: Atlantic Richfield
Location: Wilmington
Repairs to rayco furnace
Date: October, 1974.

BOX #46:

Job #5102: Soule Steel
Location: Long Beach
Date: April, 1968

Job #5112: U.S. Reduction Corporation
Location: Ontario
Date: June, 1968.

Job #5117: Stouffer Chemical Corporation
Location: Long Beach
Date: April, 1968.

Job #5138: Theodore Hamm Brewing Corporation
Location: Los Angeles
Date: July, 1968.

Job #5140: Hugo Neu-Proler
Location: Terminal Island
Date: May, 1968.

Job #5179: U.S. Reduction Corporation
Location: Ontario
Date: August, 1968.

Job #5232: Texaco Inc.
Location: Wilmington
Date: July, 1968.

Job #5281: U.S. Borax and Chemical Corporation
Location: Boron
Date: August, 1968.

Job #5283: Shell Oil Company
Location: Dominguez
Date: August, 1968.

Job #5338: Soule Steel
Location: Dominguez
Date: October, 1968.

Job #5343: Texaco Inc.
Location: Wilmington
Date: October, 1968.

Job #5374: Alcan Aluminum Corporation
Location: Riverside
Date: November, 1968.

Job #5375: Harvey Aluminum
Location: Torrance
Date: October, 1968.

Job #5386: Chemical Milling International Corporation
Location: El Segundo
Date: October, 1968.

Job #5390: CF Braun and Co., Glidden-Durkee Division, and SCM Corporation
Location: Baltimore, Maryland
Date: April, 1969.

Job #5391: Shell Chemical Corporation
Location: Ventura
Date: October, 1968.

Job #5435: Thatcher Glass Corporation
Location: Saugus
Date: December, 1968.

Job #5451: Powerine Oil Company
Location: Sante Fe Springs
Date: July, 1969.

Job #5456: Bechtel Corporation, and Standard Oil Company
Location: El Segundo
Date: July, 1969.

BOX #47: (NOT AN EXHIBIT)

Job #3153: U.S. Borax and Chemical
Location: Boron
Date: Approximately June, 1960

Job #3188: Myers Strum Company
Location: Los Angeles
Date: Approximately July - August 1974

Job #3221: Union Oil Company of California
Location: Wilmington Refinery, Wilmington, California
One Babcock and Wilcox boiler #2 damaged by an explosion.
Dates of Service: Approximately August, 1964.

Job #3228: US Borax and Chemical Corporation
Location: Boron, California
Rebuild #2AR furnace.
Date: Approximately August 24, 1964.

Job #2325: American Oil Company
Location: Yorktown, Virginia
Supply one hot gas bypass valve.
Date: 1964.

Job #3236: Harvey Aluminum, Inc.
Location: Torrance, California
Install refractories in #8, remelt furnace.
Date: August, 1964.

Job #3241: Shell Oil Company
Location: Wilmington, California
Repairs to heater.
Date: November 5, 1964.

Job #3281: Soule Steel
Location: Dominguez, California
Repair preheat furnace
Date: October, 1964.

Job #3295: Shell Oil Company
Location: Dominguez, California
Repair to catalyter plant
Date: November 30, 1964

Job #3302: Stauffer Chemical Company
Location: Dominguez, California
Plant #1 repair 1964 quench tower Stouffer
Line #2, file #5141 issue for
Date: December, 1964

Job #3311: Glass Container Company
Location: Fullerton
Date: December, 1964

Job #3327: US Steel Corp, American Bridge Division
Location: City of Commerce
Install lighting acid proof in five jumbo tanks one whole floor and one moisturizing tank and correcting trucks.
Date: January, 1965

Job #3346: US Borax and Chemical Corporation
Location: Boron
Brick work repair to #1AB furnace
Date: February, 1965.

Job #3381: Kaiser Gypsum
Location: Long Beach, California
Rebrick calcining kettle #1.
Date: March, 1965.

Job #3386: Shell Oil Company
Location: Wilmington, California
Repair burner wall #3 furnace (a) furnish labor and material for refractory repair of dubs #3 heater.
Date: January - February 1965.

Job #3440: Pacific Smelting Company
Location: Los Angeles, California
Labor only to repair furnace.
Date of Repair: May, 1965.

Job #3443: Union Oil Company
Location: Wilmington, California
Maintenance repair.
Billed: Approximately March and April 1965

Job #3444: Earl M. Jorgenson
Location: Los Angeles, California
Design and construct 10 x 17 press force furnaces.
Date: Approximately July, 1965

Job #3463: Federated Metals
Location: Vernon, California
Repairs to aluminum furnace.
Date: Approximately March, 1965

Job #3480: Hunt's Foods Industries, Inc.
Location: Fullerton, California
Repairs to boilers #6-10
Date: approximately April, 1965.

BOX #48: (NOT AN EXHIBIT)

Job #3890: State of California
California Institute for Women Frontera
Location: Chino
Repair 3c-14 city boiler.
Date: August, 1966.

Job #3893: Shell Chemical Company
Location: Torrance, California
Rebuild combustion chamber on white foster boiler.
Date: May, 1966.

Job #3897: General Aluminum
Location: Torrance, California
Enlarge and modify 16,000 aluminum melting furnaces with 40,000 capacity.
Date: March, 1965.

Job #3905: US Borax and Chemical
Location: Boron
Repair #3 boiler, labor and material.
Date: , 1966.

Job #3913: Sesler and Coffey Incorporated
Douglas Oil Company
Location: Paramount, California
Burn materials to repair on h2, h3 and h4 furnaces.
(A) fireproof skirts on columns d6 and d8.
Date: March, 1966.

Job #3961: Standard Oil Company
Location: El Segundo, California
Install lining to heat cured twenty buelo reactor cylomer and thirty-two fuel regenerator cycloner.
Date: August, 1966.

Job #4000: Aloison Steel Manufacturing Company
Willing Mole Division
Location: Phoenix, Arizona
Supply and install new reheat furnace.
Date: , 1966.

Job #4026: Harvey Aluminum Inc.
Location: Torrance, California
Labor only to repair #3 lever furnace.
Date: , 1966.

Job #4048: Thatcher Glass
Location: Saugus, California
#2 tank.
Date: June, 1966.

Job #4069: Standard Oil Company
Location: El Segundo, California
Repairs to #10 unit.
Date: , 1966.

Job #4100: Kaiser Steel Corporation
Location: Fontanna, California
Design and construct stress relieving furnace.
Date: January, 1967.

BOX #49: (NOT AN EXHIBIT)

Job #4437: United Fabricator
Location: Sante Fe Springs
Install refractory linings in seven FW heaters
Date:

Job #4441: Hall Hast Treating Company
Location: Paramount
Design and construct one 7' x 13' heat treating furnace
Date:

Job #4549: National Tank and Manufacturing Company
Location: Los Angeles
linings, vessels D103, D106 and D107
Date:

Job #4555: Federated Metals
Location: Vernon
Repair #2 brass revert
Date:

Job #4563: Bethlehem Steel Corporation
Location: Vernon
Reline south acid pickling tank at wire department
Date:

Job #4598: Standard Oil Company
Location: El Segundo
Necessary repairs to #2 residuum stripper furnace
Date:

Job #4600: Texaco Inc.
Location: Wilmington
Repair H1 heater at HTU #3
Date:

Job #4620: Thatcher Glass Company
Location: Saugas
Repair #3 glass tank repair hearth furnace
Date:

Job #4641: Standard Oil Company
Location: El Segundo
Repair boiler #34
Date:

Job #4642: Ace Foundery
Location: Huntington Beach
Install new lining
Date:

Job #4643: Alcan
Location: Los Angeles
Brick work repair on large melting furnace
Date:

Job #4726: Stauffer Chemical Company
Location: South Gate
Construct carbon block #1 acid tower; install firebrick lining in tower
Date:

Job #4740: Shell Chemical Company
Location: Dominguez
Repair #85 tank
Date:

Job #4755: Southwest Welding and Manufacturing
Location: Alhambra
Line water draw off vessel D401
Date:

Job #4757: Union Pacific Railroad
Location: Wilmington
Repair #10 boiler at Dehy Plant
Date:

Job #4760: Kay-Brunner Steel Products
Location:
Repair #2 annealing furnace
Date:

Job #4786: Collier Carbon and Chemical Company
Location: Santa Monica
Repair calciner
Date:

Job #4790: University of California
Location: Los Angeles
Install super duty firebrick in front firebox wall
Date:

Job #4803: Hughes Aircraft
Location: Culver City
Repair brick work setting on B & W glass R #24 boiler
Date:

Job #4824: IL Christensen and Associates
Location: La Crescenta
Install front wall in keeler boiler
Date:

Job #4835: National Tank and Manufacturing Company
Location: Los Angeles
Granite lining, vessel D502
Date:

Job #4843: American Bridge Division, US Steel Corporation
Location: Vernon
Modify combustion system Thorpe plate heating furnace #FG747
Date:

Job #4845: Standard Oil Company
Location: El Segundo
Repair F1, F2 and F3 desulferizing furnaces
Date:

Job #4851: Standard Oil Company
Location: El Segundo
Repair boiler #36
Date:

Job #4855: Alex Robertson Company
Location: Paramount
For Southern California Edison (Lomita Station) Build and remove scaffold in #2 borin heater
Date:

Job #4932: Thatcher Glass
Location: Saugus
Repair dog house furnace #1
Date:

Job #4947: Harvey Aluminum
Location: Torrance
Labor to repair #4 Ajax holder
Date:

Job #4954: Harvey Aluminum
Location: Torrance
Labor to repair #2 furnace
Date:

Job #4970: Allison Steel
Location: Helena, Arizona
Repairs to bullnose
Date:

Job #4978: Standard Oil Company
Location: El Segundo
Repair #12 unit furnace
Date:

Job #4994: Hall Heat Treating
Location: Paramount
Repair #8 furnace
Date: