PLAINTIFF'S EXHIBIT

KRC-760

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

STEAM POWER PLANT EQUIPMENT

PURCHASING DEPT. COPY

Date Issued **December 30, 1965**

8-90755-69799

Allegheny Pipe & Supply Co.
P.O. Box9340
Pittsburgh, Pennsylvania

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION	DATE RECEIVED
	2	8" Weld Neck - 12" Long F&D 600# - ASTM-A-105 Gr. II.	
		Delivery required by January 3, 1966. RUSH!	
		Confirming order.	

C. . NO. _____ VIA _____

WEIGHT _____ CHARGES _____

Guadalupe Banda
Cause No. 97-3798-C

D&E 00450

S-90755

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

RECEIVED AT ERIE JAN 4 1966

STEAM POWER PLANT EQUIPMENT

8,9,10,11,12,1,2,3

4

Date Issued December 30, 1965

S-90755-69799

Allegheny Pipe & Supply Co.
P.O. Box9340
Pittsburgh, Pennsylvania

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION
	2	8" Weld Neck - 12" Long F&D 600# - ASTM-A-[illegible]5 Gr. II.
		Delivery required by January 3, 1966. RUSH!
		Confirming order.

ACKNOWLEDGMENT

THIS ACKNOWLEDGMENT MUST BE RETURNED PROMPTLY WITH FIRM PROMISE DATE & PRICE FOR EACH ITEM SHOWN IN LAST COLUMN.

THIS ORDER IS ACCEPTED SUBJECT TO ALL TERMS & CONDITIONS STIPULATED THEREON.

FIRM NAME Allegheny Pipe & Supply SHIPPING DATE ASAP

YOUR ORDER NO.

ACCEPTED BY

Guadalupe Banda
Cause No. 97-3798-C

D&E 00451

12-29-7?

TAYLOR FORGE & PIPE WORKS

S-70755

YOUR ORDER NO.		TERR	CUST CD	PLT	DATE ENTERED	PAGE	PACKING LIST	ORDER NO.
65-6095	F6	11	A275		12/29/65	01	91907	525833

SOLD TO
ALLEGHENY PIPE & SPLY CO
P O BOX 9340
PITTSBURGH PA 15225

SHIPPED TO
UNION IRON WORKS
ERIE PA

MARK S-90755-69799

01000PS
AA

DATE SHIPPED 1-3-66

B L NO 750 R2

TOTAL B/L WT

FREIGHT F.O.B. CHICAGO PREPAID COLLECT

PACKED WITH ORDERS

QUANT	PACKED IN	NET WEIGHT	GROSS WEIGHT
	PALLETS		
	DRUMS		
1	BUNDLES	419	420
4	PIECES		
	CARTONS		
	TOTAL		

SCHEDULED	CHECKER NO	LOADED BY	DATE PACKED
	3	3	1-3

CAR NO

TRAILER NO. 845

REQUESTED SHIP DATE	PROMISED	ROUTE
	12/30	C

ORDER NO	ITEM NO.	PRODUCT NO	QUANTITY	DESCRIPTION
525833	001	3525	2	8" 600 WELDING NECK-12"LONG-F&D
AH				
	410			

RECEIVED
LAT ERIE
8,9,10,11,12,1

Guadalupe Banda
Cause No. 97-3798-C

PACKING LIST - CUSTOMER COPY - NOTICE OF SHIPMENT

D&E 00452

TAYLOR FORGE & PIPE WORKS

Jan 6/66
S-90755

YOUR ORDER NO.		TERR	CUST. CD	PLT	DATE ENTERED	PAGE	PACKING LIST	ORDER NO
65-6095	FS	11	A275		12/29/65	01	91907	525833

SOLD TO
ALLEGHENY PIPE & SPLY CO
P O BOX 9340
PITTSBURGH PA 15225

SHIPPED TO
UNION IRON WORKS
ERIE PA

01000PS
AA

DATE SHIPPED

B/L NO.

TOTAL B/L WT.

FREIGHT F O B CHICAGO — PREPAID ☑ COLLECT ☐

PACKED WITH ORDERS

QUANT.	PACKED IN	NET WEIGHT	GROSS WEIGHT
	PALLETS		
	DRUMS		
	BUNDLES		
	PIECES		
	CARTONS		
	TOTAL		

SCHEDULED	CHECKER NO.	LOADED BY	DATE PACKED

CAR NO | TRAILER NO.

MARK 5-90755-69799

REQUESTED SHIP DATE | PROMISED 12/30 | ROUTE C

ORDER NO.	ITEM NO.	PRODUCT NO	QUANTITY	DESCRIPTION	CONTAINER NO.
525833 AH	001	3525	2	6" 600 WELDING NECK-12"LONG-F&D	
	410				

Traditionally Dependable

Guadalupe Farms
Cause No. 97-3798-C

IMPORTANT NOTICE — PLEASE CONTACT THE AGENT OF THE CARRIER AND TAYLOR FORGE & PIPE WORKS IMMEDIATELY IF ANY TO THE MATERIAL RECEIVED AND THE MATERIAL LISTED ON THE ENCLOSED BILL OF LADING

PACKING LIST - INCLUDED WITH SHIPMENT

D&E 00453

S-90755

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

RECEIVED AT JAN 10 1966

STEAM POWER PLANT EQUIPMENT

8,9,10 11 12 1 2 3 4 5

Date Issued December 31, 1965

Hendrick Manufacturing Co.
P. O. Box 10540
Pittsburgh 35, Penna.

S-90755-69811

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION
		Mitco Type "C" Grating - Galvanized - 3/4" x 1/8" Bearing Bars (for direction of bearing bars, see Dwg. No. HTD-5539, attached).
		To Cover:
	2	Areas - each 2'-5-3/4" x 19'-11-3/4"
	2	Areas - each 4' 5-1/2" x 6' 11-3/4"
	2	Areas - each 4' 11-1/2" x 12' 9-3/4"
	2	Areas - each 2' 5-3/4" x 10' 11-1/2"
	2	Areas - each 4' 5-3/4" x 12' 3-3/4"
		Furnish necessary galvanized clips with galvanized bolts.
		Delivery required in our plant by January 14, 1966. RUSH.

ACKNOWLEDGMENT

Guadalupe Banda
Cause No. 97-3798-C

THIS ACKNOWLEDGMENT MUST BE RETURNED PROMPTLY WITH FIRM PROMISE DATE & PRICE FOR EACH ITEM SHOWN IN LAST COLUMN.

THIS ORDER IS ACCEPTED SUBJECT TO ALL TERMS & CONDITIONS STIPULATED THEREON.

FIRM NAME HENDRICK MFG CO SHIPPING DATE FROM GALO JAN 31ST

YOUR ORDER NO. G756

ACCEPTED BY T H Lan 1/6/66

D&E 00454

S-90755

NOTICE OF SHIPMENT

Carbondale, Pa., Jan. 21, 1966

To Union Iron Works,
1500 Cascade St.,
Erie, Penna.

The following articles, in good condition, were this day shipped

Via Fowler & Williams

RECEIVED AT ERIE
JAN 24 1966

Consigned to Cattie Galvanizing Corp.,
Gaul & Letterly Sts.,
Phila. Penna.

HENDRICK MANUFACTURING CO.
8,9,10,11,12,1,2,3,4,5

Your Order No. S-90755-69811 Req. Per md

SHOP NUMBER	DESCRIPTION		PERFORATION
C 756	0 bdls 56 Structural Steel Footwalks 1 bdl 224 clips, bolts & nuts	1910#	
Erie	Order Completed Cattie Galvanizing Corp. will ship to Union Iron Works		

Guadalupe Banda
Cause No. 97-3798-C

D&E 00455

NOTICE OF SHIPMENT

Carbondale, Pa., Feb. 21, 1966

To Union Iron Works,
1500 Cascade St.,
Erie, Penna.

RECEIVED AT ERIE

The following articles, in good condition, were this day shipped

Via

Consigned to 8,9,10,11,12,1,2,3.

HENDRICK MANUFACTURING CO.

Your Order No. S-90755-69211 Req. Per md

SHOP NUMBER	DESCRIPTION	PERFORATION
G 756	0 bdls 56 Structural Steel Footwalks 1910# Shipped from Cattie Galvanizing Corp. Via Continental Transport Feb. 15, 1966	
Erie		

Guadalupe Banda
Cause No. 97-3798-C

D&E 00456

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

STEAM POWER PLANT EQUIPMENT

PURCHASING DEPT. COPY

Date Issued January 3, 1966

S-90755 -69813

Lake Erie Pipe & Supply
660 East 12th Street
Erie, Pennsylvania

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION	DATE RECEIVED
		1-1/4" Galvanized Steel Fence Pipe.	
	4	Pcs. 6' 0-7/8"	
	4	" 3' 8-5/8"	
	4	" 4' 10-3/4"	
	4	" 3' 8-5/8"	
	8	" #3' 4-5/8"	
	4	" 2' 2-5/8"	
	4	" 1' 4"	
	4	" 3' 6"	
	4	" 3' 8-5/8"	
	2	" 3' 8-5/8"	
	4	" 4' 2-5/8"	
	6	" 3' 8-5/8"	
	2	" 2' 2-5/8"	
	2	" 1' 4"	
	4	" 4' 0-3/4"	
	4	" 20' 0"	
	4	" 3' 8-5/8"	
	4	" 2' 2-5/8"	
	4	" 1' 4"	
	8	" 3' 8-5/8"	
	4	" 10' 9-1/4"	
	4	" 12' 0-3/4"	
	4	" 3' 8-5/8"	
	6	" 1' 4"	
	6	" 2' 2-5/8"	
	4	" 1' 1-3/8"	
	4	" 3' 4-1/2"	
		Delivery required by January 7, 1966. RUSH!	
		Confirming order.	

C. & NO. _____ VIA _____

WEIGHT _____ CHARGES _____

Guadalupe Banda
Cause No. 97-3798-C

D&E 00457

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

RECEIVED AT ERIE JAN 6 '66

STEAM POWER PLANT EQUIPMENT

Date Issued January 3, 1966

Lake Erie Pipe & Supply
660 East 12th Street
Erie, Pennsylvania

S-90755 -69813

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION
		1-1/4" Galvanized Steel Fence Pipe.
	4	Pcs. 6' 0-7/8"
	4	" 3' 9-5/8"
	4	" 4' 10-3/4"
	4	" 3' 8-5/8"
	8	" #3' 4-5/8"
	4	" 2' 2-5/8"
	4	" 1' 4"
	4	" 3' 6"
	4	" 3' 8-5/8"
	2	" 3' 8-5/8"
	4	" 4' 2-5/8"
	6	" 3' 8-5/8"
	2	" 2' 2-5/8"
	2	" 1' 4"
	4	" 4' 0-3/4"
	4	" 20' 0"
	4	" 3' 8-5/8"
	4	" 2' 2-5/8"
	4	" 1' 4"
	8	" 3' 8-5/8"
	4	" 10' 9-1/4"
	4	" 12' 0-3/4"
	4	" 3' 8-5/8"
	6	" 1' 4"
	6	" 2' 2-5/8"
	4	" 1' 1-3/8"
	4	" 3' 4-1/2"

Delivery required by January 7, 1966. RUSH!

Confirming order.

ACKNOWLEDGMENT COPY

THIS ACKNOWLEDGMENT MUST BE RETURNED PROMPTLY WITH FIRM PRICE, DATE & PRICE FOR EACH ITEM SHOWN IN LAST COLUMN.

THIS ORDER IS ACCEPTED SUBJECT TO ALL TERMS & CONDITIONS STIPULATED THEREON.

D&E 00458

FIRM NAME [illegible] SHIPPING DATE [illegible]

YOUR ORDER NO. [illegible]

ACCEPTED BY

Guadalupe Banda
Cause No. 97-3798-C

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

STEAM POWER PLANT EQUIPMENT

PURCHASING DEPT. COPY

Date Issued January 10, 1966

S-90755-69906

Gust Krack Company
1015 West 18th Street
Erie, Pennsylvania

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION	DATE RECEIVED
	2	Expansion Joint Per Dwg. BID-10281 - Item #15. (Duct - Boiler to Econ.)	
		Delivery required in our plant by January 17,1966.	

...R NO. _____ VIA _____

WEIGHT _____ CHARGES _____

Guadalupe Banda
Cause No. 97-3798-C

D&E 00459

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

RECEIVED AT ERIE

STEAM POWER PLANT EQUIPMENT

Date Issued January 10, 1966

S-90755-69906

Gust Krack Company
101[illegible] West 18th Street
Erie, Pennsylvania

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION
	2	Expansion Joint Per Dwg. BTD-10231 - Item#1. (Duct - Boiler to Econ.)

Delivery required in our plant by January 17,1966.

ACKNOWLEDGMENT

Guadalupe Banda
Cause No. 97-3798-C

[illegible] SHIPMENT MUST BE REPORTED PROMPTLY ON THE [illegible] DATE & FILE FOR EACH ITEM SHOWN IN EACH [illegible]

THIS ORDER IS ACCEPTED SUBJECT TO ALL TERMS & CONDITIONS STIPULATED THEREON.

FIRM NAME

YOUR ORDER NO.

SHIPPING DATE

Nick Donatucci
ACCEPTED BY

D&E 00460

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

RECEIVED AT ERIE

STEAM POWER PLANT EQUIPMENT

Date Issued January 12, 1966

S-90755 -69926

Guy Allen & Sons
1139 West 26th Street
Erie, Pennsylvania

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION	
	26	Ft. 6" Wide Nylon Fabric Impregnated with Neopren...	10.40

Delivery required by January 17, 1966.

ACKNOWLEDGMENT

Guadalupe Banda
Cause No. 97-3798-C

THIS ACKNOWLEDGMENT MUST BE RETURNED FOR APPROVAL ... PROMISE DATE & PRICE FOR EACH ITEM SHOWN ...

HIS ORDER IS ACCEPTED SUBJECT TO ALL TERMS & CONDITIONS TIPULATED THEREON.

RM NAME Guy E Allen Sons SHIPPING DATE 1-18-66

OUR ORDER NO.

R G Allen
ACCEPTED BY

D&E 00461

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

STEAM POWER PLANT EQUIPMENT

Date Issued January 14, 1966 PURCHASING DEPT. COPY

Curtze & Crawford
1103 Bacon Street
Erie, Pennsylvania

S-90693-69944
& S-90755

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION	DATE RECEIVED
	2	Pcs. 1" x 14" x 2' 6" H.R. Plate.	
	8	Pcs. 1" x 14" x 14" H.R. Plate.	
		Delivery required by January 18, 1966.	
		Note to Storeroom and Purchasing Dept.	
		Item #1 - For S-90693	
		Item #2 - For S-90755	

Guadalupe Banda
Cause No. 97-3798-C

NO. _____ VIA _____

WEIGHT _____ CHARGES _____

D&E 00462

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

STEAM POWER PLANT EQUIPMENT

PURCHASING DEPT. COPY

Date Issued **February 9, 1966**

Keystone Bolt & Nut Company
9507 Meech Avenue
Cleveland, Ohio

8-90755-70103

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION	DATE RECEIVED
	24	1-1/8" Dia. x 8" Alloy Stud Bolt - ASTM-A-193-B7.	
	48	1-1/8" Alloy Nuts. ASTM-A-194-2H.	
		Delivery required by February 11, 1966.	
		RUSH!	
		Confirming per phone 2/8/66.	

Guadalupe Banda
Cause No. 97-3798-C

CAR NO. _____ VIA _____

WEIGHT _____ CHARGES _____

D&E 00463

2/14/66 J 70753

KEYSTONE BOLT & NUT CO.

9507 MEECH AVENUE, CLEVELAND, OHIO 44105

DATE ENTERED	CUSTOMER'S ORDER NO.	SALESMAN	INVOICE & SHIPPING DATE
2/8/66	S 90755-70103	[illegible]	2/[illegible]/66

TERMS 2% 10 DAYS, 30 DAYS NET.

Sold To

Union Iron [illegible]orks,
Erie, Pa.,

Shipped To

Via

KEGS	CARTONS	BUNDLES	PIECES	POUNDS
	1			74

~~2/7/66~~ 2/10/66

QUANTITY ORDERED	DESCRIPTION	QUANTITY SHIPPED	CASE NO.
	A 193, B-7 Alloy Studs,		
24	1-1/8-8 x 8	✓	
	A 194, 2-H Hex Nuts		
48	1-1/8-8	✓	

Guadalupe Banda
Cause No. 97-3798-C

D&E 00464

CODE SYMBOLS
CC CALLED COMPLETE
BO BACK ORDERED
✓ SHIPPED COMPLETE
X CANCELLED-CANNOT SUPPLY

PACKING LIST

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

STEAM POWER PLANT EQUIPMENT

PURCHASING DEPT. COPY

Date Issued February 9, 1966

S-90755 -70105

Hanlon-Gregory Galvanizing Co.
5515-55 Butler Street
Pittsburgh 1, Pennsylvania

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION	DATE RECEIVED
		Hot Dip Galvanize platforms, ladders and walkways.	
		Material to be galvanized will be furnished f.o.b. your shop.	
		Material being shipped to your plant on February 9, 1966.	
		Galvanize and ship via: Motor Frt. "Prepaid" by February 25, 1966.	
		Consign to:	
		Southwestern Oil & Refining Co. Corpus Christi, Texas	
		Attn: Power House	
		Mark: Southwestern P.O. #56026	

Guadalupe Banda
Cause No. 97-3798-C

CAR NO. _____ VIA _____

WEIGHT _____ CHARGES _____

D&E 00465

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

RECEIVED AT ERIE

FEB 14 1966

STEAM POWER PLANT EQUIPMENT

Date Issued February 9, 1966

8,9,10,11,12,1,2,3

A

S-90755 - 70105

Hanlon-Gregory Galvanizing Co.
5515-55 Butler Street
Pittsburgh 1, Pennsylvania

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION
		Hot Dip Galvanize platforms, ladders and walkways. Material to be galvanized will be furnished f.o.b. your shop. Material being shipped to your plant on February 9, 1966. Galvanize and ship via: Motor Frt. "Prepaid" by February 25, 1966. Consign to: Southwestern Oil & Refining Co. Corpus Christi, Texas Attn: Power House Mark: Southwestern P.O. #56026

ACKNOWLEDGMENT

FEB 1966

Guadalupe Banda
Cause No. 97-3798-C

THIS ACKNOWLEDGMENT MUST BE RETURNED PROMPTLY WITH FIRM PROMISE DATE & PRICE FOR EACH ITEM SHOWN IN LAST COLUMN.

THIS ORDER IS ACCEPTED SUBJECT TO ALL TERMS & CONDITIONS STIPULATED THEREON.

FIRM NAME Hanlon-Gregory Galv. Co.

SHIPPING DATE one week to ten days after receipt of material at our plant.

Hanlon-Gregory Galvanizing Co.
ACCEPTED BY

YOUR ORDER NO.

D&E 00466

SHIPPING NOTICE

HANLON-GREGORY GALVANIZING CO.

5515-5555 BUTLER STREET
PITTSBURGH 1, PA.

INVOICE NO. 4915

DATE RECEIVED	CUST. ORDER NO. & REG. NO.	OUR ORDER NO.	F.O.B.	INVOICE DATE
2/11/66	S-90755-70105	9902	OUR PLANT	FEB. 15, 1966

SOLD TO
UNION IRON WORKS
ERIE, PENNSYLVANIA

RECEIVED AT ERIE FEB 28 1966 8,9,10,11,12,1,2,3,4,5

SHIP TO
SOUTHWESTERN OIL & REFINING COMPANY
ATTN: POWER HOUSE
CORPUS CHRISTI, TEXAS

DATE SHIPPED	VIA	CAR NO. & INITIALS		TERMS
2/15/66	LEE WAY MOTOR FRT. INC. & PREPAID			NET CASH 30 DAYS

NO. PIECES OR BUNDLES	DESCRIPTION	INBOUND REF.	OUTBOUND REF.	PRICE	AMOUNT
	HOT DIP GALVANIZING:				
10 PCS.	LADDERS		2200#		
12 PCS.	PLATFORMS AND WALKWAY FRAMES		3980#		
			6180#		

THE ARTICLES COVERED BY THIS INVOICE WERE PRODUCED IN CONFORMITY WITH PROVISIONS OF STATE AND FEDERAL WAGE, HOUR AND LABOR LAWS INCLUDING THE FEDERAL FAIR LABOR STANDARDS ACT AS AMENDED

Guadalupe Banda
Cause No. 97-3798-C

D&E 00467

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

STEAM POWER PLANT EQUIPMENT

PURCHASING DEPT. COPY

Date Issued February 8,1966

Kee Klamps North American Ltd.
1079 William Street
Buffalo, New York

S-90755 -70109

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION	DATE RECEIVED
	4	#62-7 Railing Std.Flange Gascoigne Kee Klamp Fitting - Galvanized.	
		Delivery required by February 14, 1966.	
		RUSH!	

Guadalupe Banda
Cause No. 97-3799-C

CAR NO. _____ VIA _____

WEIGHT _____ CHARGES _____

D&E 00468

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

RECEIVED AT ERIE

FEB 14 1966

8,9,10,11,12,1,2,3,4,5

STEAM POWER PLANT EQUIPMENT

Date Issued February 8,1966

Kee Klamps North American Ltd.
1079 William Street
Buffalo, New York

These Numbers MUST be Specified & Shown on All Packages, Cases, Shipping Memorandum, B.S.L., Express Receipts, Invoices, and Must be referred to in all Correspondence pertaining thereto.

S-90755 -70109

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION	
	4	#62-7 Railing Std.Flange Gascoigne Kee Klamp Fitting - Galvanized.	
		Delivery required by February 14, 1966.	
		RUSH!	

ACKNOWLEDGMENT

Guadalupe Banda
Cause No. 97-3798-C

THIS ACKNOWLEDGMENT MUST BE RETURNED PROMPTLY WITH FIRM PROMISE DATE & PRICE FOR EACH ITEM SHOWN IN LAST COLUMN.

THIS ORDER IS ACCEPTED SUBJECT TO ALL TERMS & CONDITIONS STIPULATED THEREON.

FIRM NAME Kee Klamps N.A. Ltd SHIPPING DATE

YOUR ORDER NO. 2254

ACCEPTED BY R. Wieniewski

D&E 00469

FEB 1 1 1966

S-90755

KEE KLAMPS NORTH AMERICA LIMITED

KEE KLAMPS AND KEE KLAMP STRUCTURES

INVOICE NO.

PHONES TL 6-8295, TL 6-8296
P.O. BOX 945 BUFFALO, N. Y. 14240

SOLD TO.

Union Iron Wks
Erie, Pa.

SHIPPED TO.

90755

DATE OF ORDER	YOUR ORDER NO.		SHIP VIA	DATE SHIPPED	BACK ORDER NO.
2.8.66	70109		U.P.S.	2/10/66	

QUANTITY ORDERED	QUANTITY BACK ORDERED	DESCRIPTION	QUANTITY SHIPPED	UNIT PRICE	EXTENSION	TOTAL
4	——	62-7 Kee Klamps Galv.	4			

Guadalupe Banda
Cause No. 97-3798-C

TERMS: 1% 10 DAYS - NET 30 DAYS

PACKING SLIP

D&E 00470

S-90755

UNION IRON WORKS
A DIVISION OF RILEY STOKER CORPORATION
ERIE, PENNSYLVANIA

July 15, 1965

The Tennant Company
Houston, Texas

Mr. A. D. Payne

Southwestern Oil & Refining Co.
Corpus Christi, Texas
RSC Contract 65112-61
UIW Contract S-90755

As a result of your telephone request of July 8, 1965 to our Mr. T. O. Andrews, we have accumulated material covering a typical flame safety system, combustion control system, and panelboards from a previous contract which is somewhat similar. Therefore, we wish to tabulate the following literature and drawings for your consideration and transmittal to Messers. Port and Summers:

Bailey Product Specification G71-7 - Panels
Bailey Dwg. D5041314-C - Combustion & Three Element Feedwater Control
Bailey Dwg. C3034256-D - Boiler Combustion Control Panel
Bailey Dwg. D8016694-C - Wiring Layout - Boiler Combustion Control Panel
Fireye Dwg. DUV-1303-71-1-G - Wiring Diagram - SGU-2 system
Fireye Dwg. 51CQ1-1006 - Pilot PB Station - Oil Tight NEMA 12
Fireye Dwg. MP-1350, Rev. A, Alarm Horn
Fireye Dwg. FSA1-361-1 - Cabinet with Stand
Fireye Installation Instruction & Maintenance
UIW Dwg. E-492, Rev. 2, Schematic Wiring Diagram - System SAP-2-UV (Modified)
UIW Dwg. E-493, Rev. 2, Terminal Wiring Diagram - System SAP-2-UV (Modified)
Peabody Engineering Corp. Dwg. B-52946-A - Type "FPM" Ignitor
Peabody Engineering Corp. Dwg. B-38641-1 - Type "FP" Ignitor (Weatherproof)

COPY
COPY

Guadalupe Banda
Cause No. 97-3798-C

D&E 00471

Solely for your benefit, in case you have not recognized the job, the bulk of these drawings are applicable to Gulf Oil Corporation, Cedar Bayou Petrochemical Plant, Mont Belvieu, Texas. However, if you require additional drawings, please let us know and we will try to fulfill your requirements.

It appears to be wise at this point to give you the operating data and draft losses which we used in ordering the subcontract items. We instructed the burner vendor to drill the gas rings on the basis of 15 psig at the ring of natural gas at 850 Btu/SCF. Specific gravity of the fuel to be burned .58 at 60° F. and 30" Hg. Draft loss across the windbox and burner to be 3.75" W.C. Draft loss across the boiler and superheater to be 8" W.C. at 125,000 PPH capacity. Draft loss across the economizer 3.74" W.C. at capacity. Draft loss across ducts and dampers .85" W.C. at capacity. We will forward copies of fan performance curves based on actual operating conditions as soon as they become available. We ask that you obtain certified dimension prints of the forced draft fan drivers for relay to the forced draft fan vendor to assist them in boring out the drive half of the flexible couplings. We ask also that you obtain return material tags or forward shipping instructions for the drive halves of the forced draft fan couplings.

If you require additional design data, please let us know and we will endeavor to provide same by return mail.

Very truly yours,

UNION IRON WORKS

James F. Arnold

JFA/sme

Enclosures

cc: Mr. T. O. Andrews
cc: Bill Waiter

P.S. The full load fan discharge pressure is 16.34" W.C. at capacity.

COPY

COPY

Guadalupe Banda
Cause No. 97-3798-C

D&E 00472

DR. BY HAK
CK. BY C.P.L. 10-29-65
SL - SHIP LOOSE
CONTRACT NAME SOUTHWESTERN OIL & REFINING CO.

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

CONTRACT NO. S-90755

PART PLATE BOILER BAFFLES DATE OCT. 27-65 REV.

DWG. NO. HTD-5534-A THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY TWO UNITS ON CONTRACT

LINE	SL	MARK	USE	DESCRIPTION	WT.	MATERIAL	REMARKS	COST
1				PLATE BOILER BAFFLES				
2		1	2	$\frac{3}{16}$" PL. x 5$\frac{7}{8}$" x 12$\frac{7}{16}$		S		
3		2	2	$\frac{3}{16}$" PL. x 2'-1$\frac{1}{2}$" x 5'-6$\frac{13}{16}$"		S		
4		3	2	$\frac{3}{16}$" PL. x 2'-1$\frac{1}{2}$" x 2'-8$\frac{13}{16}$"		S		
5		4	2	$\frac{3}{16}$" PL. x 3$\frac{1}{2}$" x 7$\frac{3}{4}$"		S		
6			8	$\frac{3}{8}$"ϕ x 7" LGU-BOLTS W/2 NUTS EA. TYPE #8		S		
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Guadalupe Banda
Cause No. 97-3798-C

D&E 00473

SHEET 1 OF 1 SHEETS

DR. BY AAR
CK. BY CRL 10-29-65
SL = SHIP LOOSE

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

CONTRACT NAME SOUTHWESTERN OIL & REFINING CO. CONTRACT NO. S-90755

PART ALONIZED STEEL BOILER BAFFLES DATE 10-25-65 REV.

DWG. NO. HTD-5534 THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY TWO UNITS ON CONTRACT

LINE	SL	MARK	USE	DESCRIPTION	WT.	MATERIAL	REMARKS	COST
1				ALONIZED STL. BOILER BAFFLES				
2		4	1	10 GA. R x 8 7/8" x 18 1/16"		S		
3		5	1	10 GA. R x 10 7/8 x 18 1/16"		S		
4		6	1	10 GA. R x 9 1/2" x 5'-3 7/8"		S		
5		7	9	10 GA. R x 9 1/2" x 4'-11 7/8"		S		
6		8	4	10 GA. R x 1 3/8" x 2 7/16"		S		
7		9	4	10 GA. R x 1 7/8" x 3 1/4"		S		
8		10	25	10 GA. R x 1/2" x 1"		S		
9			16	3/8" ϕ x 7" LG U-BOLT W/NUTS EA. TYPE "B		S		
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Guadalupe Banda
Cause No. 97-3790-C

D&E 00474

SHEET 1 OF 1 SHEETS

UNIVERSAL OIL PRODUCTS COMPANY

30 ALGONQUIN ROAD UOP DES PLAINES, ILLINOIS, U.S.A.
CABLE ADDRESS: DUBBSPRO

VIA AIRMAIL

September 29, 1965

File Ref: 8495

RECEIVED
AT ERIE
OCT - 1 1965
8 9 10 11 12 1 2 3 4 5

Union Iron Works
Post Office Box 896
Erie, Pennsylvania

SUBJECT: Shipping Instructions - Motor Half Couplings
U.I.W.S. 90755
For Southwestern Oil & Refining Company

Gentlemen:

Further to our letter of September 8, 1965 we attach two Allis-Chalmers Manufacturing Company's identification tags for the motor-half couplings you are furnishing which are to be shipped to Allis-Chalmers Manufacturing Company, Norwood Works, Norwood, Ohio for mounting on the drivers.

Please make sure these tags are attached to the couplings and not on the shipping container.

We will appreciate you advising us by return mail, the date you will ship these couplings.

Very truly yours,

UNIVERSAL OIL PRODUCTS COMPANY

J. G. Jacobs
Purchasing Department

JGJ:lms
Attach.

cc: Southwestern Oil & Refining Company (AIRMAIL)
(1) Mr. H. H. Harding
(1) Mr. G. W. Stephenson
(1) Mr. Doyle Williams

Guadalupe Banda
Cause No. 97-3798-C

D&E 00475

November 19, 1965

Universal Oil Products Company
30 Algonquin Road
Des Plains, Illinois

Attention: Mr. J.G. Jacobs
Purchasing Department

U.I.W. Contract S-90755
Southwestern Oil & Refining Co.
Your File Ref. No. 8495

Gentlemen:

We have finally received word from the Westinghouse Electric Corporation that the two (2) motor half couplings on the subject order were shipped to the Allis-Chalmers Company on October 18, 1965. The shipment was made via Lyons Transportation Co. I would assume by this time that the half couplings are received and possibly mounted.

If we may be of any further service to you please do not hesitate to contact the writer.

Very truly yours,

UNION IRON WORKS

W.S. Waiter
Purchasing Agent

WSW/gcl

COPY

COPY

Guadalupe Banda
Cause No. 97-3798-C

D&E 00476

DR. BY RC
CK. BY
SL : SHIP LOOSE
CONTRACT NAME Southwestern Oil & Refining Co.

UNION IRON WORKS
A DIVISION OF RILEY STOKER CORPORATION

CONTRACT NO. 590755

PART W. WALK & LADDERS DATE 11/23/65 REV.

DWG. NO. 11-3538- THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY TWO UNITS ON CONTRACT

LINE	SL	MARK	USE	DESCRIPTION	WT.	MATERIAL	REMARKS	COST
1	1	L1		LADDER (GALVANIZED)				
2			2	2 1/2 x 3/8 BAR x 17'-10 1/4"		S		
3		b1	1	2 1/2 x 1/4 BAR x 7'-7"		S		
4		b2	2	2 1/2 x 1/4 BAR x 7'-3 1/2"		S		
5			5	1 x 1/4 BAR x 9'-6 9/16"		S		
6			2	1 1/4" PIPE x 1 3/4"		S		
7			12	3/4" ϕ H.R. STEEL ROD x 16 1/2"		S		
X	2			1/2" ϕ BOLTS x 1 1/4 W/NUTS (GALVANIZED)		S		
9								
10	1	L5		LADDER (GALVANIZED)				
11			2	2 1/2 x 3/8 BAR x 17'-10 1/4		S		
12		b1	1	2 1/2 x 1/4 BAR x 7'-11 1/2		S		
13		b2	2	2 1/2 x 1/4 BAR x 7'-3 1/2		S		
14			5	1 x 1/4 BAR x 8'-5 9/16		S		
15			2	1 1/4 PIPE x 1 3/4		S		
16			12	3/4" ϕ H.R STEEL ROD x 16 1/2		S		
17	2			1/2" ϕ BOLTS x 1 1/4 W/NUTS (GALVANIZED)		S		
18								
19	1	UNIT #4		WALKWAY FRAME (GALVANIZED)				
20			2	C 8.2 x 20'-0		S		
21			2	C 8.2 x 2'-5 5/8		S		
22			7	3 x 3 x 1/4 L x 2'-5 3/8		S		
23			2	3 x 3 x 1/4 L x 13 3/16		S		
24			1	3/16 PL 7 x 2'-6		S		
25			1	3/16 PL 7 x 20'-0 3/16		S		
26	1			~~2'-5 3/4 x 19'-11 3/4" GALV. MICO GRATING~~				
27				~~W/ 3/4" x 1/8 BEARING BARS TYPE "C"~~				
X	10			1/2" ϕ BOLTS x 1 1/4 W/NUTS (GALVANIZED)		S		
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DO NOT USE

Guadalupe Banda
Cause No. 97-3798-C

D&E 00477

SHEET 1 OF 2 SHEETS

DR. BY
CK. BY
SL = SHIP LOOSE

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

CONTRACT NAME SOUTHWESTERN [illegible] REFINING CO. CONTRACT NO. 590755

PART LADDERS & WALKWAYS DATE 11/23/65 REV.

DWG. NO. 11-D-553-D THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY TWO UNITS ON CONTRACT

LINE	SL	MARK	USE	DESCRIPTION	WT.	MATERIAL	REMARKS	CO
1	1	W-5		WALKWAY FRAME (GALVANIZED)				
2			2	L 6 x 8.2 x 7'-0		S		
3			2	L 6 x 8.2 x 4'-1 3/16		S		
4			1	3 x 3 x 1/2 x 6'-11 5/8		S		
5			2	3 x 3 x 1/4 x 2'-0 5/8		S		
6			1	3 x 3 x 1/4 x 2'-5 13/16		S		
7			2	3 x 3 x 1/4 x 9 1/4		S		
8			1	3/16 PL x 7 x 4'-6		S		
9			2	3/16 PL x 7 x 4'-1 7/8		S		
10	~~1~~			~~4'-5 1/2 x 6'-11 3/4 GALVANIZED GRATING~~				
11				~~W/ 3/4 x 1/8 BEARING BARS TYPE C~~				
12			2	3 x 3 x 1/4 L x 2'-0 9/16		S		
13								
~~14~~	20			1/2" ø BOLTS x 1 1/4" LG (GALVANIZED)		S		
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Guadelupe Banda
Cause No. 07-3798-C

DO NOT USE

D&E 00478

SHEET 1 OF 1

DR. BY T.C.
CK. BY
SL = SHIP LOOSE
CONTRACT NAME SOUTHWESTERN OIL & REFINING CO

UNION IRON WORKS
A DIVISION OF RILEY STOKER CORPORATION

CONTRACT NO. 590755

PART RAILING DETAILS DATE 11-22-65 REV.

DWG. NO. HTD 553.5-A THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY TWO UNITS ON CONTRACT

LINE	SL	MARK	USE	DESCRIPTION	WT.	MATERIAL	REMARKS	COST
1		R1		RAILING			WBA 12/31/65	
2	2	r1-A		1¼ GALVANIZED FENCE PIPE × 6'-0⅜ } B'D'L		O	"	
3	2	r1-B		1¼ GALVANIZED FENCE PIPE × 3'-8⅝ } B'D'L		O	"	
4	8	64-7		~~RAILING SUPPORT (GASCOIGNE KEE KLAMPS)~~				
5	2	10-7		~~SINGLE SOCKET TEE~~				
6	1	15-7		~~90° ELBOW~~				
7	1	25-7		~~90° THREE SOCKETTEE~~				
8								
9		R2		RAILING				
10	2	r2-A		1¼ GALV. FENCE PIPE × 4'-10¾ } BUNDLE		O	"	
11	2	r2-B		× 3'-8⅝		O	"	
12	4	r2-C		× 3'-4⅝		O	"	
13	2	r2-D		× 2'-2⅝		O	"	
14	2	r2-E		× 16"		O	"	
15	5	15-7		~~90° ELBOW (GASCOIGNE KEE KLAMP)~~				
16	4	64-7		~~RAILING SUPPORT~~				
17	2	26-7		~~TWO SOCKET CROSS~~				
18	1	25-7		~~90° THREE SOCKET TEE~~				
19	4	10-7		~~SINGLE SOCKET TEE~~				
20								
21		R3		RAILING				
22	2	r3-A		1¼" GALV. FENCE PIPE × 3'-6 } B'D'L		O	"	
23	2	r3-B		1¼" GALV. FENCE PIPE × 3'-8⅝ } B'D'L		O	"	
24	2	64-7		~~RAILING SUPPORT (GASCOIGNE KEE KLAMP)~~				
25	1	20-7		~~SIDE OUTLET ELBOW~~				
26	2	10-7		~~SINGLE SOCKET TEE~~				
27	1	15-7		~~90° ELBOW~~				
28								
29		R6		RAILING				
30	1	r6-A		1¼" GAL. FENCE PIPE × 3'-8⅝		O	"	
31	1	64-7		~~RAILING SUPPORT (GASCOIGNE KEE KLAMP)~~				
32	1	15-7		~~90° ELBOW~~				
33								
34	18			½" BOLTS × 1¼ W/NUTS (GALVANIZED)		S		
35								
36								
37								

DO NOT USE

Guadalupe Banda
Cause No. 97-3798-C

D&E 00479

SHEET 1 OF 2 SHEETS

DR. BY
CK. BY
SL = SHIP LOOSE
CONTRACT NAME Southwestern Oil & Refining Co.

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

CONTRACT NO. S90755

PART Railing Details DATE 11/22/65 REV.

DWG. NO. UID-5335-A THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY TWO UNITS ON CONTRACT

LINE	SL	MARK	USE	DESCRIPTION	WT.	MATERIAL	REMARKS	COST
1		R4		Railing			W&D 12/31/65	
2	2	R4-A		1¼" Galv Fence Pipe x 4'-2 5/8		O	"	
3	3	R4-B		1¼" Galv Fence Pipe x 3'-8 5/8		O	"	
4	1	R4-C		1¼" Galv Fence Pipe x 2'-2 5/8 } BDL		O	"	
5	1	R4-D		1¼ Galv Fence Pipe x 16"		O	"	
6	2	R4-E		1¼ Galv Fence Pipe x 4'-0 3/4		O	"	
7	~~3~~	~~R4-F~~		~~Railing Support (See Remarks)~~				
8	~~1~~	~~R6-F~~		~~2 Socket Cross~~				
9	~~3~~	~~R5-F~~		~~90° Elbow~~				
10	~~3~~	~~R3-F~~		~~Single Socket Tee~~				
11	~~1~~	~~R5-F~~		~~90° 3 Socket Tee~~				
12								
13		R5		Railing				
14	~~3~~	~~R5-F~~		~~90° Elbow (Gascoignes Ref Remarks)~~				
15	~~4~~	~~R3-F~~		~~Single Socket Tee~~				
16	~~1~~	~~R2-F~~		~~Side Outlet Elbow~~				
17	~~4~~	~~R6-F~~		~~Railing Support~~				
18	~~2~~	~~R6-F~~		~~2 Socket Cross~~				
19	2	R5-A		1¼ Galv Fence Pipe x 19'-9½		O	"	
20	2	R5-B		1¼ Galv Fence Pipe x 3'-8 5/8		O	"	
21	2	R5-C		1¼ Galv Fence Pipe x 2'-2 5/8		O	"	
22	2	R5-D		1¼ Galv Fence Pipe x 16"		O	"	
23								
24								
25	14			½" Bolts x 1¼ lg ½ Nuts (Galvanized)		S		
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DO NOT USE

Guadalupe Banda
Cause No. 97-3798-C

D&E 00480

SHEET 2 OF 2 SHEETS

Guadalupe Banda
Cause No. 97-3798-C

DR. BY
CK. BY
SL = SHIP LOOSE

UNION IRON WORKS
A DIVISION OF RILEY STOKER CORPORATION

CONTRACT NAME SOUTHWESTERN Oil & Refining Co CONTRACT NO. 590755

PART Rails & Walkways DATE 11/23/65 REV.

DWG. NO. HTD553-1 THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY Two UNITS ON CONTRACT

LINE	SL	MARK	USE	DESCRIPTION	WT.	MATERIAL	REMARKS	COST
1	1	UNIT #1		WALKWAY FRAME (GALVANIZED)				
2			2	6 L @ 8.2 x 12'-10		S		
3			2	6 L C 8.2 x 4'-7 3/16		S		
4			1	L 3 x 3 x 1/4 x 12'-9 5/8		S		
5			4	L 3 x 3 x 1/4 x 2'-3 9/16		S		
6			2	L 3 x 3 x 1/4 x 9 1/4		S		
7			1	3/16 PL x 7 x 6'-7 3/8		S		
8			2	3/16 PL x 7 x 3'-5 9/16		S		
9			1	3/16 PL x 7 x 4'-8		S		
10	1			~~4'-11 1/2 x 12'-9 3/4 GALV. MIFCO GRATING~~				
11				~~W/ 3/4 x 1/8 BEARING BARS TYPE 'C'~~				
12			4	L 3 x 3 x 1/4 x 2'-3 5/8		S		
13	20			1/2" ϕ BOLTS x 1 1/4 LG. (GALVANIZED)		S		
14								
15	1	UNIT #2		WALKWAY FRAME (GALVANIZED)				
16			2	6" L @ 8.2 x 10'-11 3/4		S		
17			2	6 L C 8.2 x 2'-5 5/8		S		
18			3	L 3 x 3 x 1/4 x 2'-5 5/8		S		
19			1	3/16" PL x 7 x 10'-11 3/4		S		
20			1	3/16 PL x 7 x 2'-6 3/16		S		
21			2	L 3 x 3 x 1/4 x 9 1/4		S		
22	1			~~2'-5 3/4 x 10'-11 1/2 GALV. MIFCO GRATING~~				
23				~~W/ 3/4 x 1/8 BEARING BARS TYPE 'C'~~				
24	6			1/2" ϕ BOLTS x 1 1/2" W/ NUTS (GALVANIZED)		S		
25								
26	1	UNIT #3		WALKWAY FRAME (GALVANIZED)				
27			1	3/16" PL x 1 3/8 x 3		S		
28			2	6 L 8.2 x 12'-4		S		
29			1	6 L 8.2 x 2'-5 5/8		S		
30			4	L 3 x 3 x 1/4 x 2'-5 5/8		S		
31			2	L 3 x 3 x 1/4 x 9 1/4		S		
32			1	3/16 PL x 7 x 4'-6		S		
33			1	3/16 PL x 7 x 9'-8		S		
34	1			~~4'-6 3/4 x 12'-3 3/4" GALV. MIFCO GRATING~~				
35				~~W/ 3/4 x 1/8 BEARING BARS (TYPE C)~~				
36	6			1/2" ϕ BOLTS x 1 1/2" LG W/ NUTS (GALVANIZED)		S		
37								

DO NOT USE

D&E 00481

SHEET 1 OF 2 SHEETS

Guadalupe Banda
Cause No. 97-3798-C

DR. BY R.
CK. BY /
SL: SHIP LOOSE

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

CONTRACT NAME SOUTHWESTERN OIL REFINING Co CONTRACT NO. S 90755

PART LADDERS & WALKWAYS DATE 11/23/65 REV.

DWG. NO. HTD 5538-B THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY TWO UNITS ON CONTRACT

LINE	SL	MARK	USE	DESCRIPTION	W'T.	MATERIAL	REMARKS	COST
1								
2	1	L-4		LADDER (GALVANIZED)				
3			2	2½ x ⅜ BAR x 6'-8¾		S		
4			3	¾"φ H.R. ST'L ROD x 16½		S		
5			2	2½ x ⅜ BAR x 17½		S		
6			2	1¼ PIPE x 1¾" LG		S		
X	4			½"φ BOLT x 1¼ W/NUT (GALVANIZED)		S		
8								
9								
10	1	L-2		LADDER (GALVANIZED)				
11			2	2½ x ⅜ BAR 12'-11⅝		S		
12		b1	1	2½ x ¼ BAR x 8'-4⅛		S		
13		b2	1	2½ x ¼ BAR x 7'-3½		S		
14			5	1 x ¼ BAR x 4'-7 15/16		S		
15			9	¾"φ H.R ST'L ROD x 16½		S		
X	4			½"φ BOLTS x 1¼ LG W/NUTS (GALVANIZED)		S		
17			2	1¼" PIPE x 1¾		O		
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DO NOT USE

Guadalupe Banda
Cause No. 97-3798-C

D&E 00482

DR, BY [illegible]
CK. BY [illegible]
SL = SHIP LOOSE
CONTRACT NAME [illegible] Oil & Refining Co

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

CONTRACT NO. S 90755

PART [illegible] & Bracing DATE 11/[illegible]/65 REV.

DWG. NO. HTD 55[illegible]-C THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY TWO UNITS ON CONTRACT

LINE	SL	MARK	USE	DESCRIPTION	W'T.	MATERIAL	REMARKS	COST
1								
2	1	L-3		LADDER (GALVANIZED)				
3			2	2½ x ⅜ BAR x 9'-8⅝		S		
4			6	¾" HR ROD x 16½		S		
5			1	2½ x ⅜ BAR x 13½		S		
6			2	1¼ PIPE x 1¾'		S		
7			1	2½ x ⅜ BAR x 8"		S		
8	4			½"φ BOLT x 1¼ W/NUT (GALVANIZED)		S		
9	1	B12		SUPPORT BEAM (GALVANIZED)				
10			1	6 [8.2 x 13'-10½		S		
11			4	L 3 x 3 x ⅜ x 3"		S		
12								
13	5			½"φ BOLTS x 1¼ W/NUTS (GALVANIZED)		S		
14								
15	2	KB1		KNEE BRACE				
16			2	L 3 x 3 x ¼ x 6'-0¼		S		
17			4	¼ PL 8 x 8		S		
18								
19	1	KB2		KNEE BRACE				
20			1	L 3 x 3 x ¼ x 6'-8⅝		S		
21			2	¼ PL x 5½ x 8		S		
22								
23	2	KB3		KNEE BRACE				
24			2	L 3 x 3 x ¼ x 6'-1		S		
25			2	PL 5 x ¼ x 8		S		
26			2	PL 5¼ x ¼ x 8		S		
27								
28	4	KB4		KNEE BRACE				
29			4	L 3 x 3 x ¼ x 3'-8 9/16		S		
30			4	PL 8 x ¼ x 9¼		S		
31			4	PL 5¼ x ¼ x 8		S		
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36								
37								

DO NOT USE

Guadalupe Banda
Cause No. 97-3798-C

D&E 00483

SHEET 1 OF 2 SHEETS

DR. BY F. B.
CK. BY I
SL = SHIP LOOSE
CONTRACT NAME Continental Oil & Refining Co.

UNION IRON WORKS
A DIVISION OF RILEY STOKER CORPORATION

CONTRACT NO. 590755

PART Knee & Bracing DATE 11/23/65 REV.

DWG. NO. UFD 5533-C THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY Two UNITS ON CONTRACT

LINE	SL	MARK	USE	DESCRIPTION	WT.	MATERIAL	REMARKS	C
1								
2								
3	1	KBF		KNEE BRACE				
4			1	L 3 x 3 x 1/4 x 3'-2 1/2		S		
5			2	PL 8 x 1/4 x 9 1/4		S		
6								
7								
8	5	KBG		SUPPORT PLATE				
9			5	PL 16 x 4 x 2'-6"		S		
10								
11								
12				1/2" ϕ M. BOLTS x 1 1/2 W/NUTS (GALVANIZE)		S		
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DO NOT USE

Guadalupe Banda
Cause No. 97-3798-C

D&E 00484

DR. BY R.B.
CK. BY [illegible]
SL = SHIP LOOSE

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

CONTRACT NAME SOUTHWESTERN OIL & REFINING CO CONTRACT NO. S90755

PART RAILING DETAILS DATE 11-22-65 REV.

DWG. NO. HTD 5538-D THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY TWO UNITS ON CONTRACT

LINE	SL	MARK	USE	DESCRIPTION	W'T.	MATERIAL	REMARKS	COST
1		R7		RAILING				
2	4	r7-A		1¼" GALV. PIPE x 3'-8⅝ (BUNDLE)		0 ✓	WBD 12/31/65	
3	~~1~~	~~15-7~~		~~90° ELBOW (GASCOIGNES KEE KLAMP)~~				
4	~~2~~	~~10-7~~		~~SINGLE SOCKET TEE~~				
5	~~1~~	~~20-7~~		~~SIDE OUTLET ELBOW~~				
6	~~2~~	~~64-7~~		~~RAILING SUPPORT~~				
7								
8		R8		RAILING				
9	2	r8-A		1¼" GALV. FENCE PIPE x 10'-9¼		0 ✓	"	
10	2	r8-B		1¼" GALV FENCE PIPE x 12'-0¾		✓	"	
11	2	r8-C		1¼" GALV FENCE PIPE x 3'-8⅝ BD'L		✓	"	
12	3	r8-D		1¼" GALV FENCE PIPE x 16"		0 ✓	"	
13	3	r8-E		1¼ GALV FENCE PIPE x 2'-2⅝		0 ✓	"	
14	~~2~~	~~15-7~~		~~90° ELBOW (GASCOIGNE KEE KLAMP)~~				
15	~~5~~	~~10-7~~		~~SINGLE SOCKET TEE~~				
16	~~5~~	~~64-7~~		~~RAILING SUPPORT~~				
17	~~2~~	~~25-7~~		~~90° THREE SOCKET TEE~~				
18	~~3~~	~~26-7~~		~~2 SOCKET CROSS~~				
19								
20		R9		RAILING				
21	2	r9-A		1¼ GALVANIZED FENCE PIPE x 13⅜ BD'L		0 ✓	"	
22	2	r9-B		1¼ GALVANIZED FENCE PIPE x 3'-4½		0 ✓	"	
23	1	~~15-7~~		~~90° ELBOW (GASCOIGNES KEE KLAMP)~~				
24	~~2~~	~~62-7~~		~~RAILING ST'D ELC~~				
25	1	~~25-7~~		~~90° 3 SOCKET TEE~~				
26	2	~~10-7~~		~~SINGLE SOCKET TEE (KEE KLAMP)~~				
~~27~~	4			½-13 x 1¼ LG BOLTS (GALV.)		S		
28								
29	1	KB7		KNEE BRACE				
30			1	L 3 x 3 x ⅜ x 3'-7 15/16"		S		
31			1	PL 8 x ¼ x 9¼		S		
32			1	PL 6 x ¼ x 9¼		S		
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Guadalupe Banda
Cause No. 97-3798-C

D&E 00485

SHEET 1 OF 1 SHEETS

DR. BY D.H.L.
CK. BY CKL 1-7-66
SL = SHIP LOOSE

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

CONTRACT NAME SOUTHWESTERN O/L & REFINING COMPANY CONTRACT NO. S-90755

PART ECONOMIZER HOOD DATE 12-27-65 REV.

DWG. NO. HTD-55536 THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY -TWO- UNITS ON CONTRACT

LINE	SL.	MARK	USE	DESCRIPTION	WT.	MATERIAL	REMARKS	COST
1	1	EH		ECONOMIZER HOOD				
2		1	1	3/16" PL x 3'-9 1/2" x 10'-1 3/8"			S	
3		2	1	3/16" PL x 3'-9 1/2" x 10'-1 3/8"			S	
4		3	1	18" x 18" PL ACCESS DOOR PER SE-19			S	
5		4	2	1/4" x 3" BAR x 23" LG.			S	
6		5	2	1/4" x 3" BAR x 22 1/2" LG.			S	
7		6	1	3/16" PL x 3'-11 3/4" x 5'-0"			S	
8		7	1	3/16" PL x 3'-11 3/4" x 5'-0"			S	
9		8	16	LIN. FT. 2 1/2" x 2 1/2" x 5/16" L (STIFFENERS CUT TO SUIT)			S	
10		9	2	2 1/2" x 2 1/2" x 5/16" L x 10'-6 3/8" LG.			S	
11		10	2	2 1/2" x 2 1/2" x 5/16" L x 4'-0 1/8" LG.			S	
12								
13								
14			167	#12 GA x 4" LG. KSM WELDING PINS W/CLIPS			S	
15	4			1/2" ϕ x 1 1/4" LG. BOLTS			S	
16								
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Guadalupe Banda
Cause No. 97-3798-C

D&E 00486

SHEET 1 OF 1 SHEETS

DR. BY DHL
CK. BY G.P.L. 1-7-66
SL - SHIP LOOSE

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

CONTRACT NAME SOUTHWESTERN OIL & REFINING COMPANY CONTRACT NO. S-90755

PART FLEXIBLE AIR DUCT - F.D. FAN TO WINDBOX DATE 12-20-65 REV.

DWG. NO. HTD-5546 THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY - TWO - UNITS ON CONTRACT

LINE	SL	MARK	USE	DESCRIPTION	WT.	MATERIAL	REMARKS	COST
1	1	AD-1		AIR DUCT				
2		1	4	3" x 3" x 1/4" L x 3'-2 1/4"		S		
3		2	4	3" x 3" x 1/4" L x 3'-6 15/16"		S		
4		3	4	1/4" x 2" BAR x 2'-8 3/4"		S		
5		4	4	1/4" x 2" BAR x 3'-6 15/16"		S		
6		5	1	8" WIDE x 13'-0" NYLON W/NEOPRENE FABRIC		O ✓	WPW 1/11/66	
7			64	1/2" ϕ x 1 1/4" LG. BOLTS & NUTS		S		
8	8			1/2" ϕ x 1 1/4" LG BOLTS & NUTS (FIT-UP)		S		
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Guadalupe Banda
Cause No. 97-3798-C

D&E 00487

DR. BY DHL
CK. BY CRL 1-7-65
SL : SHIP LOOSE
CONTRACT NAME SOUTHWESTERN OIL & REFINING COMPANY

UNION IRON WORKS
A DIVISION OF RILEY STOKER CORPORATION

CONTRACT NO. S-90755

PART DAMPER BOX DATE 12-29-55 REV.

DWG. NO. HTD-5545 THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY — TWO — UNITS ON CONTRACT

UNIT	SL	MARK	USE	DESCRIPTION	WT.	MATERIAL	REMARKS	COST
1	1	DB-1		DAMPER BOX				
2		1	2	8"[@11.5# x 6'-0"			S	
3		2	2	8"[@11.5# x 4'-0 3/16"			S	
4		3	2	8"[@11.5# x 4'-1 1/16"			S	
5		4	1	3/16 R. x 9 1/2" x 4'-1 5/8"			S	
6		5	1	10GA.R. x 5" x 4'-1 5/8"			S	
7		6	4	2"OD TUBE x 5'-7 15/16" LG.			S	
8		7	8	2" STD. PLAIN WASHERS			S	
9		8	4	1/4" x 2" BAR x 7 15/16"			S	
10		9	6	1/4" x 2" BAR x 12 5/16"			S	
11		10	1	1/4" x 5 BAR x 20 11/16"			S	
12		11	1	1/4" R. x 3 1/2" x 13 3/4"			S	
13		12	8	10GA.R. x 14" x 4'-0 15/16"			S	
14		13	1	1/4" x 2" BAR x 13 7/8"			S	
15		14	4	1" x 1" x 1/16" L x 4'-1 5/8"			S	
16	X	17	8	BEARINGS PER SE-411			S	
17		18	16	1/2" ϕ x 3" LG. BOLTS/NUTS			S	
18		19	3	1/4" x 2 3/8" x 3 1/2" (SPLIT DIAGONALLY TO MAKE 6 PCS.)			S	
19		15	8	1/2" ϕ x 1 1/2" CONE HD. RIVETS / WASHER / COTTER PINS			S	
20		16	8	1" x 1" x 3/16" L x 1" LG.			S	
21		24	4	10GA.R. x 2" DIA.			S	
22		25	2	1/4" R. x 3 1/2" x 11 1/4"			S	
23		26	2	1/4" R. x 12 1/8" x 16 1/4"			S	
24		27	2	1/4" R. x 2" x 17"			S	
25		28	2	1" STD PIPE x 5" LG.			S	
26		29	4	STD. WASHERS 1/2" ϕ			S	
27		30	1	1/2" ϕ x 7" LG. BOLT W/NUT			S	
28		31	1	1" STD. PIPE x 4'-10 3/8" (FLATTEN BOTH ENDS)			S	
29		32	1	1/4" R. x 2" x 14"			S	
30		33	2	18" LENGTH CHAIN			S	
31		34	2	1/4" ϕ x 1 1/2" LG PIN.			S	
32	4			1/2" ϕ x 1 1/2" LG BOLTS W/NUTS			S	
33		35	4	#10 GA. [x 3" x 3 3/4" (ERECTION CLIPS)			S	
34			48	4" LG KSM WELDING PINS W/CLIPS			S	
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D&E 00488

SHEET 1 OF 1 SHEETS

Guadalupe Banda
Cause No. 97-3798-C

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PENNSYLVANIA

PROPOSAL-CONTRACT

No. TA-61765, Revision I *Date* July 9, 1965

To. SOUTH WESTERN OIL & REFINING COMPANY
P. O. BOX 1147
CORPUS CHRISTI, TEXAS

ATTENTION: MR. HOOKER HARDING,
PURCHASING AGENT

PROJECT: CORPUS CHRISTI PLANT - PACKAGE BOILERS

The UNION IRON WORKS (hereinafter called the *Company*) proposes to furnish to the *Purchaser*, in accordance with the following specifications and general conditions, the machinery, material and/or equipment (hereinafter referred to as "equipment") and/or services hereinafter described.

Two (2) - UNION 125,000 PPH Type "MI" Steam Generating Units.
Two (2) - UNION Centrifugal Type Steam Purifiers.
Two (2) - UNION Drainable Superheaters.
Two (2) - Sturtevant Forced Draft Fans.
Two (2) - UNION Steel Finned Tube Economizers.
Two (2) - Sets of Connecting Gas and Air Ducts.
Two (2) - Sets of Peabody Natural Gas Burners and Accessories.
Two (2) - Sets Ladders and Platforms for Front Drum Access.

Services of Erection Superintendent on Per Diem Basis.

Services of Engineer to Advise and Consult During the Start-Up on a Per Diem Basis.

Alternates to Base Bid:

I - One (1) - Set Split Dampers for Superheat Control.
II - One (1) - Set Platforms and Ladders for Rear Drum and Economizer.
III - One (1) - Set of Drum End Covers and Safety Valve Covers.
IV - One (1) - Insulation and Lagging of Economizer, Uptake to Economizer and Drum End Covers.

Guadalupe Banda
Cause No. 97-3798-C

D&E 00489

SPECIFICATIONS

"UNION" BENT TUBE BOILER

Type "MH"

(1) CAPACITY - PRESSURE - DIMENSIONS - WEIGHT

Rated Capacity per Boiler	125,000	Lbs. Steam/Hr.
Maximum Allowable Working Pressure At Boiler Nozzle	475	psig

Summary of Heating Surface:

Main Bank	8265	Sq. Ft.
Water Colling - Side Wall	642	
Water Cooling - Rear Wall	40	Sq. Ft.
Water Cooling - Floor	178	
Total Heating Surface	9125	Sq. Ft.

Boiler Dimensions:

Furnace Width Between Tubes	6'-11-1/4"
Furnace Length	27'-3-1/8"
Vertical Drum Centers	12'-6"
Furnace Volume, Approximately	1647 Cu. Ft.
Wall Thickness: Side	2"
Front	4" and 13"
Rear	9"
Floor	5" Plus Floor Tubes
Roof	2"
Overall Casing Width	12'-8"
Overall Casing Length	29'-1-5/8" Inside
Height Bottom Support to Face of Boiler Outlet Flange	15'-6-5/16"
Proposal Drawing No.	P8-6752
Estimated Shipping Weight, Lbs.	156,500
Total Weight - Approximately	403,400 Pounds

Guadalupe Banda
Cause No. 97-3798-C
D&E 00490

(2) BOILER CONSTRUCTION CODES

Each boiler and all accessories to be furnished under these specifications shall fully comply with all requirements for materials, workmanship and construction prescribed by the latest edition of the Boiler Code of The American Society of Mechanical Engineers and applicable State, Province or area regulations.

(3) DRUMS

	Upper	Lower
No. per Boiler----------	1	-- 2
Nominal Diameter--------	42" I.D.	-- 18" O.D.
Overall Length ----------	30'-9-1/8"	-- 30'-3-1/8" 30'-4 3/8"
Shell Thickness----------	1-5/16"	-- 3/4"
No. Manholes 12" x 16" Elliptical ------	2	- 0
No. Handholes 3-1/2" x 4-1/2" Elliptical--	0	-- As Required
Material Spec.----------	SA-212-B	-- SA-106-B

Top drum heads shall be flanged and dished type, and each shall have a flanged manhole opening, fitted with a forged steel hinged cover plate with double steel yokes, bolts and gasket. Flanges of manhole openings and cover plates shall be machined to give plane parallel bearing surfaces for the manhole gaskets. The lower drums shall have flat heads with a handhole in each head. All drum seams shall be fusion welded.

All plates, heads and lower drum tubing shall be of first quality open hearth steel conforming to A.S.M.E. material specifications. The Company reserves the right to furnish material that is the equivalent of that specified above if necessary.

(4) TUBES -, Electric Resistance Welded

Diameter----------	2" O.D.	No. Wide---	14
Wall Thickness-------	.095) .105	No. Deep---	79 and 157*
Type----------	SA-178-A		

* Tubes infurnace are tangent.

Guadalupe Banda
Cause No. 97-3798-C
D&E 00491

(5) DRUM OPENINGS

All drum openings shall be in accordance with the ASME Code, or American Standard pipe thread connections, as noted below:

Description	Location	Number & Size	Type
Steam Outlet-------	Upper Drum--	Superheater Supply as required by ASME Code	-- Flanged
Safety Valve -------	Upper Drum--	--	Flanged
Feed Inlet ---------	Upper Drum--	1 - 4"	-- Flanged
Blow-off----------	Lower Drum--	2 - 1"	-- Flanged
Water Column ----------		2 - 1-1/2" 1/4"	-- Flanged
~~Surface Blow-off~~----------			--
Feed Water Regulator ----------		2 - 1"	-- Flanged
Cont. Blow-Down ----------		1 - 1"	-- Flanged
Chemical Feed & steam sampling ----------		1 - 1"	-- Flanged
Boiler Vent----------		1 - 1-1/2"	-- Flanged
(In superheater header loop) Steam Gauge----------		1 - 1"	-- Flanged
Auxiliary Steam ----------		1 - 2"	-- Flanged
[illegible]		[illegible]	-- FLANGED (BLANKED OFF)

(6) ACCESS DOORS, INSPECTION DOORS AND OBSERVATION PORTS

The Company shall furnish and install the following doors and ports.

Designation	No.	Size	Description
Air Cooled -- Observation	Std.	-- 4"x 5-1/2" --	Observation Ports Dwg. SK-616-0
Furnace Access	--	--	-- Through Burner Openings
	--	--	--

D&E 00492

Guadalupe Banda
Cause No. 97-3798-C

The UNION "Saf-T-Eye" observation port is completely sealed into the furnace wall. The glass is protected by an alloy wire screen. A shutter automatically closes the port when not in use. The glass is contained in a frame which can be readily removed for cleaning by merely loosening two thumb nuts.

UNION IRON WORKS ERIE, PA.		
4"x5½" OBSERVATION PORT		
DM	6-1-60	SK-616-0

Guadalupe Banda
Cause No. 97-3798-C

(7) VALVES AND TRIM

The Company shall furnish with each boiler the following Valves and Trim, or those of equal quality, at the option of the Company

	NO.	SIZE	MAKE, FIG. NO. DESCRIPTION
Safety Valve	1	2-1/2"	Crosby HS-35 Cons. #1811LA
Safety Valve	1	3"	Crosby HS-35 Cons. #1811K
Feed Valve	1	4"	Edward #618
Feed Valve	1	4	Edward #690
Blow-off Valve	3	1"	Yarway #5925F
~~Blow-off Valve~~			
Water Column	1	1-1/4"	Magnetrol M-601X
Water Gage	2	3/4"	Reliance SG-860
Gage Glass	2	3/4"	Reliance FG-909
~~Gage Cocks~~ Illuminators	2	(1	Direct Vision Ill.Assembly
Water Column Drain	1	(1 3/4"	Direct Vision, Hood, Ill. Floor Stand & Mirror Edward 848Y
Water Gage Drain	2	3/8"	Edward 848Y
Steam Gage	1	12"	Ashcroft #1377A
Boiler Vent Valve	1	3/4"	Edward 848Y
W. Col. Isolation Valve	2	1-1/4"	Hancock 970W-WC
Cont. Blowdown Valve	1	1"	Hancock 5525F
Chemical Feed Valve	1	1"	Edward 4152
Superheater Trim:			
Steam Sampling	1	1-1/2" 3/8"	Edward 848
Drain Valve	1	1-1/2"	Edward 828
Safety Valve	1	1-1/2"	Crosby HS-35 Cons.
Thermometer & Well	1		Trerice BX-13406
Steam Gage	1	8-1/2"	Crosby AH Ashcroft 1377
Economizer Trim			
Relief Valve	1	1-1/2"	Crosby JO Cons.
Vent Valve	1	3/4"	Edward 848Y
Drain Valve	1	3/4"	Edward 848Y
Thermometer & Well	1	3/4"	Trerice BX-13406

(8) PIPING

The Piping for connecting the following Valves and Trim to the boiler shall be furnished by the **Company** and installed by the **Company**

If the Piping for connecting Valves and Trim to the boiler is furnished by the Company, it shall conform to the requirements of the ASME Code, and consist only of the items listed below:

Piping for	Extent of	
Water Column ----------	Water Column ---- to Boiler	**Sch. 40 Smls. Steel Pipe Steel Fittings**
Water Column Drain-----	Water Column ---- to Floor	**Sch. 40 Smls. Steel Pipe Steel Fittings**
Steam Gage----------	Steam Gage------- to Boiler	**Sch. 4[illegible] Smls. Steel Pipe Steel Fittings**
Blow-Off Valves ------	**Valves to Boiler**	**Sch. 80 Smls. Steel Pipe Steel Fittings.**

When the Company is to furnish, but not install, the connecting Piping, it shall be in random, unthreaded lengths.

(9) BAFFLES

The baffle between the furnace and the convection section shall be formed by a tangent row of tubes.

(10) PAINTING **Boilers and Accessories to be shipped Unpainted. No outside surface preparation included.**

(11) TEST

Before shipment, all drums shall be tested and made tight under hydrostatic pressure, 50% greater than the allowable working pressure of the boiler.

D&E 00495

DR. BY _____

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

[illegible] OIL & REFINING CO CONTRACT NO. 5-90755

[illegible] DATE 11-19-65 REV.

[illegible] 1910 THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY TWO UNITS ON CONTRACT

	MARK	USE	DESCRIPTION	W'T.	MATERIAL	REMARKS	COST
			1" DIA. x 7½" ROLLER				
			FT. ½" DIA. ASBESTOS ROPE				
			LBS. EAGLE 66				
			SHIP ITEMS #2 & #3 IN SEPARATE				
12			CONTAINER				
13							
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Guadalupe Banda
Cause No. 97-3793-C

D&E 00496

DR. BY H.K.S.
CK. BY LK
SL - SHIP LOOSE
CONTRACT NAME SOUTHWESTERN OIL & REFINING CO.

UNION IRON WORKS

DIVISION OF RILEY STOKER CORPORATION

CONTRACT NO. S-90755

PART BURNER REFRACTORY DATE 9-20-65 REV.

DWG. NO. HTD-5542 THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY -2- UNITS ON CONTRACT

LINE	SL	MARK	USE	DESCRIPTION	WT.	MATERIAL	REMARKS	COST
1				REFRACTORY AROUND BURNER TILE				
2								
3			20	#1 ARCH FIREBRICK 13½"x4½"x2½" (REFRAC)				
4			9	#2 ARCH FIREBRICK 13½"x4½"x2½" (REFRAC)				
5			46	STRAIGHT FIREBRICK 13½"x4½"x3" (REFRAC)				
6			80#	A.P. GREEN "MIZZOU" CASTABLE (REFRAC)				
7			16	A.P. GREEN "VS-70" ANCHORS (STL)				
8			19'0"	LIN.FT. ½" THK. X 8½" W. FIBERFRAX BLANKET (INSUL)				
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Guadalupe Banda
Cause No. 97-3798-C

D&E 00497

SHEET 1 OF 1 SHEETS

DR. BY _____
CK. BY _____
SL : SHIP LOOSE

UNION IRON WORKS
A DIVISION OF RILEY STOKER CORPORATION

CONTRACT NAME SOUTHWESTERN OIL & REFINING CO. CONTRACT NO. S-90755

PART REFRACTORIES & INSULATION DATE 5-9-65 REV.

DWG. NO. 515-1910 THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY TWO UNITS ON CONTRACT

LINE	SL	MARK	USE	DESCRIPTION	WT.	MATERIAL	REMARKS	COST
1				FRONT WALL				
2			750	3"x 4½"x 9" - #1 FIREBRICK ✓				
3			350	LBS. HIGH TEMP. CEMENT ✓				
4			30	2"x12"x12" STR. EDGE TILE ✓				
5			4	SPECIAL TILE "FA" ✓				
6			28	2"x12"x18" STR. EDGE TILE ✓				
7			38	2"x 24"x 36" BLOCK INSULATION ✓				
8				REAR WALL ✓				
9			184	2"x12"x18" SHIPLAP (4 SIDES) TILE ✓				
10			2	SPECIAL TILE "A" ✓				
11			2	" " "B" ✓				
12			44	MHR LT. WT. INSUL. BRICK ✓				
13			250	LBS. HIGH TEMP. CEMENT ✓				
14			24	2"x 24"x 36" BLOCK INSULATION ✓				
15			24	3"x 24"x 36" " " ✓				
16				TOP & SIDES				
17			41	2"x 6"x 12" STR. EDGE TILE ✓				
18			41	2"x 9"x 12" " " " ✓				
19			1	2"x 6"x 18" " " " ✓				
20			1	2"x 9"x 18" " " " ✓				
21			625	RILEY TE-3 ✓				
22			78	2"x 30"x 48" - #415 SPINTEX ✓				
23			114	¼"x 42"x 48" - ASBESTOS MILLBOARD ✓				
24			60	J.M. - 2600 BRICK 2½"x 4½"x 9"				
25			200	LBS. STD. WT. CASTABLE REFRACTORY ✓				
26				FLOOR				
27			156	1½"x 12"x 12" STR. EDGE TILE ✓				
28			6	1½"x 12"x 18" " " " ✓				
29			1800	LBS. DECRETE 30 ✓				
30				DRUM SHELL INSULATION				
31			13	2"x 30"x 48" - #415 SPINTEX ✓				
32								
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Guadalupe Banda
Cause No. 97-3798-C

DB RILEY WORCESTER, MASS.

COMPUTED BY ____ DATE ____ CONTRACT NO. ____ PAGE NO. ____
CHECKED BY ____ DATE ____ SUBJECT ____
REVIEWED BY ____ DATE ____
APPROVED BY ____ DATE ____

18 LIN. FT. 1/8" x 1 3/4" ASB. TAPE SHOP INSTALL

ASBESTOS MILL BOARD SHOP INSTALL

8 - 1/4" x 20 3/8 x 22"
2 - 1/4 x 4'-0 3/4

FORM 112-STOCK

D&E 00499

Guadalupe Banda
Cause No. 97-3798-C

Guadalupe Banda
Cause No: 97-3798-C

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

SL = SHIP LOOSE
CONTRACT NAME SOUTHWESTERN OIL & REFINING CO CONTRACT NO. S-90[illegible]

PART 18" OD DRUM L.H DATE 8-26-65 REV.

DWG. NO. D5523B THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY TWO UNITS ON CONTRACT

LINE	SL	MARK	USE	DESCRIPTION	W'T.	MATERIAL	REMARKS	COST
1				18" OD DRUM				
2		1	1	O.D. DRUM 1/4" THK x 30'-4 3/8" LG SA-106 GR-B				
3		2	2	11 1/4" DIA. x 3" THK PL WITH H.H. SA212GR B				
4			2	3 1/2" x 4 1/2" H.H. PL x 5' LG STUDS U.I.W. PL				
5			2	3 1/2" x 4 1/2" H.H. YOKES # D-2954				
6			29	3 1/2" x 4 1/2" H.H. PLATES # D-2301				
7			31	3 1/2" x 4 1/2" H.H. GASKET (ASB) TEST				
8	3A			3 1/2" x 4 1/2" H.H. GASKET (FLEX) FINAL & SPARE				
9			29	3 1/2" x 4 1/2" H.H. YOKES # D-2253				
10			1	8" CHANNEL @ 11.5# 29'-3 1/8" LG				
11				2" x 2" x 1/4" L x 29'-0 7/8" LG				
12				1/4" PL x 13 9/16" x 29'-0 5/8" LG				
13				1/4" PL x 6 13/16" x 14 5/8" LG END GUSSET				
14				1/4" PL x 4 9/16" x 14 5/8" LG (GUSSET)				
15				1" STD PIPE x 5'-0" LG BLOWOFF				
16			1	1" SCH 80 PIPE x 4 7/8" LG				
17		10		1" WELDING RING FOR SCH80 PIPE				
18		11		1" EX. STRONG LAP JOINT STUB TNI				
19		12	1	1"-600# LAP JOINT FLANGE				
20		13	1	#10 GA PL x 2" x 22" LG SEAL PL				
21		14	2	3/8" x 3/8" BAR x 4'-2 11/16" LG (ROLL TO 16 1/2" OD)				
22		15	1	1" STD HALF SCR. COUP & PLUG				
23		16	2	JACKING PAD PER SE-339				
24	1	17		2" SCH 80 PIPE x 4 1/2" LG				
25	1			2" DRAIN ASSY				
26		18	1	WELDING RING FOR SCH80 PIPE				
27		19	1	2"-600# BLIND FLG				
28		20	1	2"-600# W.N. FLG 1.940				
29			8	5/8" Ø x 4 1/2" LG STUD BOLT W/NUTS ALLOY STEEL				
30			1	STN ST'L FLEX GASKET FOR 2"-600# FLG				
31		21	1	2" SCH 80 PIPE x 7 3/4" LG (SA-106 GR-B)				
32		22	1	2"-3000# SW 90° ELBOW				
33								
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D&E 00500

SHEET [illegible]

DR. BY MN
CK. BY
CL-SHIP LOOSE

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

CONTRACT NAME SOUTHWESTERN OIL & REFINING CONTRACT NO. S-90755

PART CENTRIFUGAL SEPARATOR DATE 8-30-65 REV. ◇ 1-11-66

DWG. NO. ATD-552-A THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY TWO UNITS ON CONTRACT

LINE	CL	MARK	USE	DESCRIPTION	WT.	MATERIAL	REMARKS	COST
1			1	ONE CENTRIFUGAL SEPARATOR				
2		1	2	#10GA PL x 16" x 3'-1½" LG				
3		2	2	10 DIA. x ¼ THK.				
4		3	2	¼" PL x 11" x 12½" LG.				
5		4	4	¼" PL x 2" x 6 3/4" LG.				
6		5	2	#10GA. PL x 5" x 5'-0" LG.				
7		6	2	#10GA. PL x 5 1/16" x 4'-7½" LG.				
8		7	2	1"-STD. HALF COUP.				
9		8	2	12" O.D. x #10GA. x 4'-7½" LG. CURVED SECT.				
10		9	6	½" x ½" BAR x 7/8" LG.				
11		10	6	½" x ½" BAR x 3/8" THK				
12		11	2	10 3/4" O.D. x #10GA. x 4'-7½" LG. CURVED SECT.				
13		12	2	6 5/8" O.D. x #10GA. x 5'-2" LG. INNER PIPE				
14		13	4	¼" PL x 1" x 2 9/16" LG.				
15		14	2	¼" PL x 11¼" x 13" LG.				
16		15	2	¼" PL x 11¼" x 13" LG.				
17		16	4	3" x 3" x ¼" L x 3" LG.				
◇ 18		17		+ 1" STD PIPE x 2½" LG				
◇ 19		18		+ 2" STD PIPE CAP (GTL)				
20		19	1	#207 DIAMOND U-BOLT & NUTS				
◇ 21		20		+ ¼" x ¼" BAR x 7/8" LG.				
◇ 22		21						
◇ 23		22		+ 1"-STD. PIPE PLUG				
◇ 24		23						
25		24	1	½"-STD. PIPE x 7'-9" LG.				
26		25	1	1" TO ½" HEX. BUSHING M.I.				
27		26	1	½"-STD. PIPE CAP M.I.				
28		27	16	3/8"-16 x 3/4" LG. HEX. HD. BOLT				
29		28	4	3/8"-16 x 1" LG. HEX. HD. BOLT & NUTS				
30		29	2	1/8" THK. ASB. GASKET TO SUIT PF 2				
31		30	1	¼" x 2" BAR x 4 5/8" LG				
32		31	1	¼" x 2" BAR x 10'-6" LG (CUT TO SUIT)				
33								
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D&E 00501

SHEET 1 OF 1 SHEETS

DR. BY [illegible]
CK. BY [illegible]-65
SL = SHIP LOOSE
CONTRACT NAME SOUTHWEST[illegible]N OIL & REFINING CO.

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

CONTRACT NO. S-90755

PART SIDEWALL CASING DATE 10-13-65 REV.

DWG. NO. HTD-5528 THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY TWO UNITS ON CONTRACT

LINE	SL.	MARK	USE	DESCRIPTION	WT.	MATERIAL	REMARKS	COST
1				SIDEWALL CASING				
2		SC-1E	5 EA	10 GA. R x 5'-0" x 11'-4 7/8"				
3		SC-2E	1 EA	10 GA. R x 5'-0" x 11'-4 7/8"				
4			12	1/2 x 3" BARS x 11'-1 3/4"				
5			24	3/4" x 3" BARS x 11'-1 5/8"				
6		SC-3E	1 EA	10 GA. R x 2'-5" x 11'-4 7/8"				
7		1	2	10 GA. R x 22 3/4" x 11'-3 15/16"				
8		2	1	10 GA. R x 3" x 6 5/8"				
9			[illegible]0	SQ. FT. 3" INSUL.				
10			2	3/4" x 3" BAR x 11'-0 7/16"				
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Guadalupe Banda
Cause No. 97-3798-C

D&E 00502

SHEET 1 OF 1 SHEETS

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

SLA-SHIP LOOSE
CONTRACT NAME SOUTHWESTERN OIL & REFINING COMPANY CONTRACT NO. S-90755

PART WATER CASING DATE 10-19-65 REV.

DWG. NO. [illegible] THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY TWO UNITS ON CONTRACT

	MARK	USE	DESCRIPTION	WT.	MATERIAL	REMARKS	COST
1			SUPERHEATER CASING				
2	SH-1	1	#10 GA. PL. 2'-2 1/8" x 2'-5 7/16"				
3		1	#10 GA. PL. 19 1/8" x 22 7/16"				
4	SH-2	1	#10 GA. PL. 3'-0 7/8" x 3'-2 1/2"				
5		1	#10 GA. PL. 2'-5 5/8" x 2'-7 1/4"				
6	SH-3	1	#10 GA. PL. 3'-6 1/8" x 4'-2 1/8"				
7		1	#10 GA. PL. 3'-5 1/16" x 3'-6 7/8"				
8	SH-4	1	#10 GA. PL. 3'-6 1/8" x 4'-2 1/8"				
9		1	#10 GA. PL. 3'-5 1/16" x 3'-6 7/8"				
10	SH-5	1	#10 GA. PL. 2'-6 9/16" x 4'-2 1/8"				
11		1	#10 GA. PL. 23 11/16" x 3'-6 7/8"				
12	SH-6	1	#10 GA. PL. 2'-6 9/16" x 4'-2 1/8"				
13		1	#10 GA. PL. 23 11/16" x 3'-6 7/8"				
14	SH-7	1	#10 GA. PL. 2'-2 1/8" x 2'-5 7/16"				
15		1	#10 GA. PL. 19 1/8" x 22 7/16"				
16	SH-8	1	#10 GA. PL. 3'-0 7/8" x 3'-2 1/2"				
17		1	#10 GA. PL. 2'-5 5/8" x 2'-7 1/4"				
18							
19		4	#10 GA. PL. 10 7/8" I.D. x 14 7/8" O.D.				
20		4	#10 GA. PL. 2 7/8" x 20 1/4" LG.				
21		1	1/4" x 4" BAR x 7'-9 1/4"				
22		85	SQ. FT. OF 3" THK. MIN. WOOL FELT				
23							
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D&E 00503

SHEET 1 OF [illegible]

Guadalupe Banda
Cause No. 97-3798-C

DR. BY AR
CK. BY DAG 11-2
SL = SHIP LOOSE
CONTRACT NAME SOUTHWESTERN OIL & REFINING CO.

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

File

CONTRACT NO. S-90755

PART SMOKE OUTLET DATE NOV. 1, 65 REV.

DWG. NO. 170-5532 THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY TWO UNITS ON CONTRACT

LINE	SL	MARK	USE	DESCRIPTION	WT.	MATERIAL	REMARKS	COST
1				SMOKE OUTLET				
2		1	2	3/16" PL x 1'-9 1/2" x 6'-4"				
3		2	2	3/16" PL x 3'-10 5/8" x 6'-0 5/8"				
4		3	2	3/16" PL x 4'-1 5/16" x 5'-2"				
5		4	2	2 1/2" x 2 1/2" x 5/16" L x 4'-7 1/2"				
6		5	2	2 1/2" x 2 1/2" x 5/16" L x 2'-8 7/8"				
7		6	2	2 1/2" x 2 1/2" x 5/16" L x 4'-4 9/16"				
8		7	2	2 1/2" x 2 1/2" x 5/16" L x 2'-9"				
9		8	2	2 1/2" x 3 1/2" x 5/16" L x 6'-0"				
10		9	2	2 1/2" x 3 1/2" x 5/16" L x 4'-6 11/16"				
11		10	2	2 1/2" x 2 1/2" x 5/16" L x 2'-6 1/16"				
12		11	2	2 1/2" x 2 1/2" x 5/16" L x 4'-4 9/16"				
13		12	2	1 1/2" x 1 1/2" x 5/16" L x 5'-11 1/2"				
14		13	2	#10 GA. x 4'-8 13/16" x 6'-7"				
15		14	2	#10 GA. x 3'-8 3/8" x 6'-7"				
16		15	2	1/4" x 6" BAR x 4'-0 9/16"				
17		16	2	1" PIPE NIPPLES x 7" LG. W/CAPS (THD ONE END)				
18		17	2	2" PIPE NIPPLES & CAPS x 7" LG (THD ON END)				
19		18	2	3/16" PL. x 2" x 6'-1 7/16"				
20								
21		20	2	#10 GA. x 4'-1 5/16" x 4'-11 5/16"				
22		21	4	#10GA. PL. x 3" x 3"				
23								
24			150	SQ. FT. 3" THK. SPINTEX				
25		23	2	1/4" PL. x 3 3/16" x 4'-11 1/2"				
26		24	2	3/16" PL. x 3" x 6'-9 13/16"				
27		25	2	3/16" PL. x 3" x 3'-7 1/8"				
28	*			1/2" ø x 1 1/4" LG. BOLTS W/NUTS FOR FIT UP				
29								
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Guadalupe Banda
Cause No. 07-3788-C

D&E 00504

SHEET 1 OF 1 SHEETS

DR. BY DHL
CK. BY CRL 1-7-66
SL - SHIP LOOSE
CONTRACT NAME SOUTHWESTERN OIL & REFINING COMPANY

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

CONTRACT NO. S-90755

PART GAS DUCT - BOILER TO ECONOMIZER DATE 12-21-65 REV.

DWG. NO. HTD-5535 THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY -TWO- UNITS ON CONTRACT

LINE	SL.	MARK	USE	DESCRIPTION	WT.	MATERIAL	REMARKS	COST
1	1	GD-1		GAS DUCT				
2		1	2	3/16" ℄ x 7 9/16" x 6'-0"				
3		2	2	3/16" ℄ x 7 9/16" x 4'-2 1/16"				
4		3	4	3/16" ℄ x 2 1/16" x 2 1/4"				
5		4	1	EXPANSION JOINT PER DWG. BTD-10281				
6				ITEM No. 15				
7		5	2	1/4" x 5" BAR x 6'-0"				
8		6	2	1/4" x 5" BAR x 4'-1 3/16"				
9		7	1	3/16" ℄ x 3'-5" x 10'-1"				
10		8	1	3/16" ℄ x 3'-5" x 10'-1"				
11		9	1	3/16" ℄ x 4'-1 1/2" x 4'-2 1/16"				
12		10	1	3/16" ℄ x 4'-1 1/2" x 4'-2 1/16"				
13		11	4	3/16" ℄ x 3" x 3 3/16"				
14		12	1	#10 GA ℄ x 3'-1 15/16" x 10'-7 1/8"				
15		13	1	#10 GA ℄ x 3'-1 15/16" x 10'-7 1/8"				
16		14	1	#10 GA ℄ x 3'-10 7/8" x 4'-8 5/16"				
17		15	1	#10 GA ℄ x 3'-10 7/8" x 4'-8 5/16"				
18		16	4	#10 GA ℄ x 2 13/16" x 3" (FIT-UP TABS)				
19		17	100	SQ. FT. 3" THK. SPINTEX INSULATION				
20		18	1	ACCESS DOOR PER SE-386A				
21				"X" = 3"				
22	4			1/2" ϕ x 1 1/4" LG BOLTS W/NUTS (FIT-UP)				
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D&E 00505

Guadalupe Banda
Cause No. 97-3798-C

DR. BY MN
CK. BY
SL : SHIP LOOSE
CONTRACT NAME [illegible] CONTRACT NO. [illegible]

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

PART 42" I.D. DRUM DATE 8-24-55 REV.

DWG. NO. [illegible] THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY TWO UNITS ON CONTRACT

LINE	SL	MARK	USE	DESCRIPTION	W'T.	MATERIAL	REMARKS	COST
1				42" I.D. DRUM				
2		1	2	1 5/16" Tk x 117 1/2" x 138 1/2" LG (F.B. STEEL) SA-212 GR-B				
3		2	2	42" I.D. x 1 3/8" THK FLG & DISHED ASME				
4				HEAD W/M.H. SA-212 GR-B				
5			2	12"x16" M.H. Tkt # D-2038				
6			4	12"x16" M.H. YOKE # 2836				
7			2	12"x16" M.H. GASKET (ASB) TEST				
8	2			12"x16" M.H. (STN ST'L FLEX) FINAL			Guadalupe Banda	
9			4	1" DIA x 8" LG BOLT NUT & WASHER			Cause No. 97-3798-C	
10			2	12"x16" M.H. HINGE ASSEM-SE323				
11		3	7	#10GA Tk x 2" x 6'-3" (INSUL. RING)				
12		4	1	1/4" x 6" BAR x 15 1/2" LG				
13		5	1	1/4" x 6" BAR x 16'-5 1/8"				
14		6	1	1/4" x 6" BAR x 24'-11 5/8" LG				
15		7	2	LIFTING LUGS [illegible]				
16		8	2	1/2" Tk x 2" x 6'-3 3/8" LG				
17		9	1	#10GA Tk x 2" x 6'-1 5/8" LG				
18		10	2	2"-600# WN x 9" LG SA-105 GR II				
19	1	11		2"-600# BLIND FLG. SA-105 GR-B				
20	8	12		5/8" DIA x 4 1/2" LG STUD BOLT W/NUT ALLOY ST'L				
21	1	13		ST'N ST'L FLEX. GASKET FOR 2"-600# FLANGE				
22		14	1	2 1/2"-600# WN x 9" LG SA-105 GR II				
23		15	1	1"-600# SLIP ON FLG SA-105 GR II				
24		16	1	1 1/4"-600# WN x 9" LG SA-105 GR II				
25		17	1	1 1/4"-600# WN x 9" LG SA-105 GR II				
26		18	1	1 1/4" STD PIPE x 11 5/8" LG				
27		19	12	#10GA Tk x 1/2" x 1/2"				
28		20	1	4"-600# WN x 12" LG SA-105 GR II				
29		21	1	4" STD PIPE x 14 5/8" LG				
30		22	1	1"-600# WN x 9" LG SA-105 GR II				
31		23	1	1" STD PIPE x 11 5/8" LG (STN ST'L)				
32		24	1	1" STD PIPE x 11 5/8" LG				
33		25	3	1"-600# W.N. x 9" LG SA-105 GR II				
34								
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36								
37								

SHEET 1 OF 2 SHEETS

D&E 00506

Guadalupe Banda
Cause No. 97-3798-C

DR. BY [illegible]
CK. BY [illegible]
SL = SHIP LOOSE
CONTRACT NAME [illegible] Refining Co

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

CONTRACT NO. [illegible]

PART [illegible] DATE 8-30-65 REV.

DWG. NO. HTD-55[illegible] THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY TWO UNITS ON CONTRACT

LINE	SL.	MARK	USE	DESCRIPTION	W'T.	MATERIAL	REMARKS	COST
1				18" [illegible] DRUM				
2		1	1	18" OD. DRUM x 3/4" THK x 30'-4 3/8" LG SEAMLESS [illegible] SA106 GR-B				
3		2	2	16 1/4" DIA. x 3" THK PL WITH HH. SA212 GR-B				
4			2	3 1/2" x 4 1/2" H.H. PL x 5" LG STUDS UIW PL #1				
5			2	3 1/2" x 4 1/2" H.H. YOKES # D-2954				
6			29	3 1/2" x 4 1/2" H.H. PLATES # D-2301				
7			31	3 1/2" x 4 1/2" H.H. GASKET (ASB) TEST				
8	34			3 1/2" x 4 1/2" H.H. GASKET (CARSON FLEX) FINAL & SPARE				
9			29	3 1/2" x 4 1/2" H.H. YOKES # D-2253				
10		3	1	8" CHANNEL @ 11.5# x 29'-3 1/8" LG				
11		4	1	2" x 2" x 1/4" L x 29'-0 7/8" LG				
12		5	1	1/4" PL x 13 9/16" x 29'-0 5/8" LG				
13		6	2	1/4" PL x 6 13/16" x 14 5/8" LG (END GUSSET)				
14		7	6	1/4" PL x 4 9/16" x 14 5/8" LG (GUSSET)				
15		8	1	1" STD PIPE x 5'-0" LG				
16		9	1	1" SCH 80 PIPE x 3 7/8" LG				
17		10	1	1" WELDING RING FOR SCH 80 PIPE				
18		11	1	1" EX STRONG LAP JOINT STUB END				
19		12	1	1"-600# LAP JOINT FLANGE				
20		13	1	#10 GA PL x 2" x 22" LG SEAL PL				
21		14	2	3/8" x 3/8" BAR x 4'-2 11/16" LG (ROLL TO 16 1/2" O.D.)				
22		15	1	1" STD HALF SCR. COUP. & PLUG				
23		16	2	JACKING PAD PER SE-339				
24	1	17		2" SCH 80 PIPE x 4 1/2" LG				
25	1			DRAIN ASSY				
26		18	1	WELDING RING FOR SCH 80 PIPE				
27		19	1	2"-600# BLIND FLG.				
28		20	1	2"-600# W.N. FLG 1.940 BORE				
29			8	5/8" DIA. x 9 1/2" LG STUD BOLT & NUT ALLOY ST'L				
30			1	ST'N ST'L FLEX GASKET FOR 2"-600# FLG				
31		21	1	2" SCH 80 PIPE x 7 3/4" LG (SA-106 GR-B)				
32		22	1	2"-3000 S.W. 90° ELBOW				
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37								

D&E 00507

SHEET [illegible]

DR. BY DHL
CK. BY CHL 1-7-46
SL = SHIP LOOSE
CONTRACT NAME SOUTHWESTE OIL & REFINING COMPANY

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

CONTRACT NO. S-90755

PART DRUM END COVERS DATE 12-29-45 REV.

DWG. NO. UTD-5537 THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY — TWO — UNITS ON CONTRACT

LINE	SL.	MARK	USE	DESCRIPTION	WT.	MATERIAL	REMARKS	COST
1				UPPER REAR DRUM END COVER				
2		1	1	#10 GA. PL x 4'-0 7/8" DIA.				
3		2	1	#10 GA. PL x 17 7/8" x 12'-9 1/8"				
4		3	1	#10 GA. PL x 24" x 2'-2"				
5		4	1	#10 GA. PL x 8" x 24"				
6		5	1	2 1/2" O.D. TUBE x .125 WALL x 1 7/8" LG.				
7		6	1	#10 GA. PL x 16" x 2'-8"				
8		7	26	SQ. FT. 2" SPINTEX INSULATION				
9		8	2	1/4" x 4'-0 3/4" SQ. ASB MILLBOARD (CUT TO FIT)				
10		9	32	1/2" x 1 1/8" LG. C.C.I. NELSON STUDS / NUTS				
11		10	18	LIN. FT. 1/8 x 1 3/4" ASB. GASKET TAPE				
12		11	40	1/2" ϕ x 1" LG BOLTS / NUTS				
13		12	50	3" LG. KSM INSUL. PINS W/CLIPS				
14								
15								
16								
17				LOWER FRONT & REAR DRUM END COVERS				
18		13	2	#10 GA. PL x 22 3/8" x 2'-2" (REAR COVERS)				
19		14	4	#10 GA PL x 10 7/8" x 4'-5 1/2"				
20		15	17	SQ FT. 2" SPINTEX INSULATION				
21		16	8	1/4" x 20 3/8" x 22" ASB. MILLBOARD				
22		17	40	3" LG. - KSM INSULATION PINS W/CLIPS				
23			5%	1/2" ϕ x 1" LG. BOLTS / NUTS				
24		18	4	#10 GA. PL x 2" x 4'-8 7/16"				
25		19	2	#10 GA. PL x 22 3/8" x 2'-2" (FRONT COVERS)				
26								
27								
28								
29								
30								
31								
32								
33								
34				Guadalupe Banda				
35				Cause No. 97-3790-C				
36								
37								

D&E 00508

DR. BY DHL
CK. BY [illegible]
SL = SHIP LOOSE

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

CONTRACT NAME SOUTH [illegible] OIL & REFINING COMPANY CONTRACT NO. S-90755

PART [illegible] DATE 12-22-47 REV.

DWG. NO. [illegible] THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY — T. 2 — UNITS ON CONTRACT

LINE	SL	MARK	USE	DESCRIPTION	WT.	MATERIAL	REMARKS	COST
1				UPPER REAR DRUM END COVER				
2		1	1	#10 GA. PL x 4'-0 7/8" DIA.		S		
3		2	1	#10 GA. PL x 17 7/8" x 12'-9 1/8"		S		
4		3	1	#10 GA. PL x 24" x 2'-2"		S		
5		4	1	#10 GA. PL x 8" x 24"		S		
6		5	1	2 1/2" O.D. TUBE x .105 WALL x 1 7/8" LG.		S		
7		6	1	#10 GA. PL x 16" x 2'-8"		S		
8		7	24	SQ. FT. 2" SPINTEX INSULATION		S		
9				ASB. (CUT TO)		S		
10		9	32	1/2" x 1 1/8" LG. C.C.I. NELSON STUDS/NUTS		S		
11		10	18	LIN. FT. 1/8 x 1 3/4" ASB. GASKET TAPE		S		
12		11	40	1/2" ϕ x 1" LG BOLTS/NUTS		S		
13		12	50	3" LG. KSM INSUL. PINS W/CLIPS		S		
14								
15								
16								
17				LOWER FRONT & REAR DRUM END COVERS				
18		13	2	#10 GA. PL x 22 3/8" x 2'-2" (REAR COVERS)		S		
19		14	4	#10 GA. PL x 10 7/8" x 4'-5 1/2"		S		
20		15	17	SQ FT. 2" SPINTEX INSULATION		S		
21		16	8	1/4" x 20 3/8" x 22" ASB. MILLBOARD		S		
22		17	40	3" LG. KSM INSULATION PINS W/CLIPS		S		
23			50	1/2" ϕ x 1" LG. BOLTS/NUTS		S		
24		18	4	#10 GA. PL x 2" x 4'-8 7/16"		S		
25		19	2	#10 GA. PL x 22 3/8" x 2'-2" (FRONT COVERS)		S		
26								
27								
28								
29								
30								
31								
32								
33								
34								
35								
36								
37								

Guadalupe Banda
Cause No. 97-2700-C

D&E 00509

SHEET 1 OF 1 SHEETS

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

STEAM POWER PLANT EQUIPMENT

PURCHASING DEPT. COPY

Date Issued October 12,1965

S-90755-69054

Collura Engineering Sales
31926 Lake Shore Blvd.
Cleveland 8, Ohio

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION	DATE RECEIVED
	8	Flexitallic Gasket for 1-1/4" 600# RF Flg.	
		Delivery required in our plant by November 5, 1965.	

Guadalupe Banda
Cause No. 97-3798-C

CAR NO. _____ VIA _____

WEIGHT _____ CHARGES _____

D&E 00510

UNION IRON WORKS
DIVISION OF RILEY STOKER CORPORATION
ERIE, PA.

SHEET #1 of 2

SHIPPING MEMORANDUM

TO Southwestern Oil & Refining Company
Corpus Christi, Texas

DATE Feb. 25, 1966
OUR ORDER S-90755
YOUR ORDER 56026
VIA NYC-Tol.-NKP-A&S-Dupo-MoPac - Ppd.
CAR NO. NYC-499928
Riley P/O 110021-65112-61

	Description	Dwg. No.
	3RD SHIPMENT COMPLETE	
1 Pc	Size 8955 sq.ft. - Type "MH" Boiler - set up and marked:	
	S Nat'l. Bd. 3982 UNION I. W. 23365 WP-475 BHS-8350 WWHS-848 1966	
	Superheater Outlet Header marked: -	
	S Nat'l. Bd. 3982 UNION I. W. 23365 WP-475 SHS-785 1966	
1 Ctn.	#5 containing:	
	4 - Locks for 1¼" Hancock #970W Shut-off Valves	W-1030&A
	34 - 1" x 7½" Steel Rollers	BT3-1910
1 Ctn.	#6 containing:	
	24 - 1-1/8" x 8" Alloy Studs w/ 2 nuts ea.	HTD-5540A
1 Pc	8" Sch. 80 Superheater Supply Pipe Assembly	HTD-5540A
2 Pcs	#10 Ga Lower Front Drum End Covers	HTD-5537
2 "	" " Rear " " "	"
1 Ctn.	#7 containing:	
	16 - 5/8" x 4" Alloy Studs w/ 2 nuts ea.	W-1030&A
	4 - Flex. Gaskets for 1½"-600# R.F. Flgs.	"
	16 - 5/8" x 3½" Alloy Studs w/ 2 nuts ea.	W-1031&A
	4 - Flex. Gaskets for 1"-600# R.F. Flgs.	"
1 Ctn.	#8 containing:	
	1 - Assembly consisting of Items 8 of W-1031 & A and Items 28, 29 & 30 of HTD-5540	

Guadalupe Banda
Cause No. 97-3798-C

D&E 00511

DR. BY DHL
CK. BY [illegible] 1-7-16
SL = SHIP LOOSE

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

CONTRACT NAME SOUTHWESTERN OIL & REFINING COMPANY CONTRACT NO. S-90755

PART [illegible] DATE 12-21-15 REV.

DWG. NO. HTD-5535 THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY -TWO- UNITS ON CONTRACT

LINE	SL.	MARK	USE	DESCRIPTION	WT.	MATERIAL	REMARKS	COST
1	1	GD-1		GAS DUCT				
2		1	2	3/16" PL x 7 9/16" x 6'-0"		S		
3		2	2	3/16" PL x 7 9/16" x 4'-2 1/16"		S		
4		3	4	3/16" PL x 2 1/16" x 2 1/4"		S		
5		~~4~~	~~1~~	~~EXPANSION JOINT PER DWG. HTD-5535~~				
6				~~ITEM NO. 15~~				
7		5	2	1/4" x 5" BAR x 6'-0"		S		
8		6	2	1/4" x 5" BAR x 4'-1 3/16"		S		
9		7	1	3/16" PL x 3'-5" x 10'-1"		S		
10		8	1	3/16" PL x 3'-5" x 10'-1"		S		
11		9	1	3/16" PL x 4'-1 1/2" x 4'-2 1/16"		S		
12		10	1	3/16" PL x 4'-1 1/2" x 4'-2 1/16"		S		
13		11	4	3/16" PL x 3" x 3 5/16"		S		
14		12	1	#10 GA PL x 3'-1 15/16" x 10'-7 1/8"				
15		13	1	#10 GA PL x 3'-1 15/16" x 10'-7 1/8"		S		
16		14	1	#10 GA PL x 3'-10 7/8" x 4'-8 5/16"		S		
17		15	1	#10 GA PL x 3'-10 7/8" x 4'-8 5/16"		S		
18		16	4	#10 GA PL x 2 13/16" x 3" (FIT-UP TABS)		S		
19		17	100	SQ. FT. 3" THK. SPINTEX INSULATION		S		
20		18	1	ACCESS DOOR PER SE-385A		S		
21				"X" = 3"				
22	4			1/2" ϕ x 1 1/4" LG BOLTS W/NUTS (FIT-UP)			S	
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								
35								
36								
37								

D&E 00512

Guadalupe Banda
Cause No. 97-3798-C

SHEET 1 OF 1 SHEETS

UNION IRON WORKS
DIVISION OF RILEY STOKER CORPORATION
ERIE, PA.

SHIPPING MEMORANDUM

SHEET #3 of 5

TO Southwestern Oil & Refining Company
Corpus Christi, Texas

DATE 2-15-66

OUR ORDER S-90755

YOUR ORDER 56026

VIA NYC-Tol.-NKP-A&S-Dupo-MoPac - Ppd.

CAR NO. NR&W-98966
Riley P/O 110021-65112-61

Description	Dwg. No.
Drum #2 continued:	
18 - ½" x 1½" Bolts & Nuts (Galvanized)	HTD-5538C
76 - ½" x 1½" " " " "	"
8 - ½" x 1¾" " " " "	HTD-5538D
128 - ½" x 1½" " " "	HTD-5539A
40 - ½" x 1½" " " " (Galvanized)	HTD-5539B
24 - 1-1/8" x 8" Alloy Studs w/ 2 nuts ea.	HTD-5540A
16 - ½" x 2½" Bolts, Nuts & Washers	HTD-5543A
8 - ½" x 1½" Bolts & Nuts	HTD-5545
16 - ½" x 1½" " " "	HTD-5546
1 Ctn. #1 containing:	
2 - Trerice BX-13406 Thermometers Range 100°-550°F	W-1030&A
2 - " BX-13406 " " 400°-850°F	W-1031&A
1 Ctn. #2 containing:	
2 - Flex. Gaskets for 1½"-600# R.F. Flgs.	W-1030&A
2 - 8½" Ashcroft #1377A Steam Gauge 0-800# w/ ½"-1098S Syphon	W-1031-A
2 - Flex. Gaskets for 2"-600# R.F. Flgs.	"
2 - " " " 1½"-600# R.F. "	"
4 - 12" x 16" oval flex. MH gaskets	HTD-5523
2 - Flex. Gaskets for 2"-600# R.F. Flgs.	"
68 - 3½" x 4½" oval flex. HH gaskets	HTD-5523&A
68 - " " " " HH "	HTD-5523B
4 - Flex. Gaskets for 8"-600# W.N. Flg.	HTD-5540A
1 Ctn. #3 containing:	
90 lin. ft. - Operating Chain for Water Gauges	W-1030&A
4 sets - Chain Pull Tags	"
2 - ¾" Ground Jt. Unions (Scr'd.) 2000# F.S.	"
4 - 3/8" " " " " "	"
2 - ¾"-90° Scr'd. Ells " "	"
4 - 3/8"-90° Scr'd. Ells " "	"
80 - 7/8" x 6" Alloy Studs w/ 2 nuts ea.	"
10 - Flex. Gaskets for 4"-600# R.F. Flgs.	"
2 - Diamond #408 "U" Bolts & Nuts	"
1 - Assembly consisting of Items 8 of W-1031&A and Items 28, 29 & 30 of HTD-5540	"
56 - ½" x 1" Bolts & Nuts	HTD-5537

Guadalupe Banda
Cause No. 97-3798-C

D&E 00513

DR. BY _____
CK. BY _____
SL = SHIP LOOSE

UNION IRON WORKS
DIVISION OF RILEY STOKER CORPORATION

CONTRACT NAME SOUTHWESTERN OIL & REFINING Co. CONTRACT NO. 5-607

PART SCHEMATIC PIPING DATE 3-23-65 REV. 2 WVB 2-8-66 / ITEM #13 WAS BX-12406

DWG. NO. M-1050 & A THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY 2 UNITS ON CONTRACT

LINE	SL	MARK	USE	DESCRIPTION	WT.	MATERIAL	REMARKS	COST
2 1	1	13		TRERICE BX-13406 INDUS.				
2				THERMOMETER, STR. FORM,				
3								
4				, RANGE 100-550°F,				
5				6" STEM				
6		14	1	U.I.W. NAME PLATE				
7		15	45	LIN. FT. OF OPERATING CHAIN				
8		16	2	SETS OF CHAIN PULL TAGS				
9		17						
10		18						
11		19						
12								
13				ITEMS 20-30 (STM. GA. PIPING)				
14		20	1	4 7/8" O.D. x 1/2" SCR. RED. FLG.				
15				F&D 600# / 1/4" R.F.				
16		21	4	5/8" x 3 3/4" LG. STUD BOLTS /				
17				2 NUTS EA. ALLOY STL.				
18		22	1	GASKETS FOR 1" 600# R.F.				
19				FLG. FLEX.				
20		23	4	1/2"-90° SCR. ELLS 2000# FS				
21		29	2	1/2" SCR. GROUND JOINT UNION				
22				2000# FS				
23		25	1	1/2" SCR. TEE 2000# FS				
24		26	1	1/2" EDWARD #848Y GLOBE				
25				VAL.				
26		27	1	1/2" TO 1/4" SCR. BUSH. 2000# FS				
27		28	1	1/4" EDWARD #848 GLOBE VAL.				
28		29	12	LIN. FT. 1/2" SCH. 80 SMLS.				
29				PIPE, A106, GR-B				
30		30	1	1/4" x 3" LG. SCH. 80 SMLS.				
31				PIPE, A106, GR-B				
32		31						
33				Guadalupe Banda				
34				Cause No. 97-37[illegible]				
35								
36								

D&E 00514

DR. BY [illegible]
CK. BY [illegible]
SL = SHIP LOOSE
CONTRACT NAME [illegible]

UNION IRON WORKS
A DIVISION OF RILEY STOKER CORPORATION

File

CONTRACT NO. S-[illegible]

PART [illegible] DATE 9-[illegible] REV. (1) WVB 2-8-66 ITEM #11 WAS BX-12406 & RANGE WAS 200°-750°

DWG. NO. W-1031 & A THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY 2 UNITS ON CONTRACT

LINE	SL	MARK	USE	DESCRIPTION	W'T.	MATERIAL	REMARKS	COST
1	1	11		TRERICE #BX-13406 INDUS.				
2				THERMOMETER, STR. FORM,				
3				[illegible]				
4				[illegible] RANGE 400°-				
5				850°F, 8" STEM				
6		12						
7		13						
8		14						
9								
10				ITEMS 15-21 (BLR. B.O. PIPING)				
11								
12				THE FOLLOWING ITEMS, ALONG				
13				WITH ITEM #1 TO BE SHOP				
14				ASSEMBLED & THEN SHIPPED				
15				LOOSE AS AN ASSEMBLY.				
16								
17		15	2	1"-600# F&D S.W. FLG./1/4"				
18				RAISED FACE, BORE = 0.957"				
19		16	12	5/8" x 3 3/4" LG. STUD BOLTS				
20				WITH 2 NUTS EA. ALLOY STL.				
21				(ALSO CONT. BLOWOFF)				
22		17	3	GASKETS FOR 1"-600# R.F.				
23				FLG. - FLEX. (ALSO CONT. B.O.)				
24		18	2	1"-90°, "X"-STRONG, LG. RAD.				
25				BUTTWELD ELLS				
26		19	4	RIDGE TYPE WELD RINGS				
27				FOR 1" SCH. 80 PIPE				
28		20	1	1" x 1" WELD-O-LET/S.W.				
29				OUTLET FOR 1" SCH. 80 PIPE				
30		21	16	LIN. FT. 1" SCH. 80 SMLS.				
31				PIPE, A106, GR-B				
32		22						
33								
34								
35								
36								
37								

Guadalupe Banda
Cause No. 97-3798-C

D&E 00515

DR. BY WVB
CK. BY WVW
SL : SHIP LOOSE
CONTRACT NAME SOUTHWESTERN OIL & REFINING CO.

UNION IRON WORKS
DIVISION OF RILEY STOKER CORPORATION

CONTRACT NO. S-90755

PART SCHEMATIC PIPING (LEASE) DATE 2-10-65 REV.

DWG. NO. W-1031 & A THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY 2 UNITS ON CONTRACT

LINE	SL	MARK	USE	DESCRIPTION	WT.	MATERIAL	REMARKS	COST
1		40						
2		41						
3								
4				ITEMS 42-50 (STM. SAMP & VENT PIPING)				
5								
6				THE FOLLOWING ITEMS ALONG				
7				WITH ITEMS 4 & 10 ARE TO BE				
8				SHOP ASSEMBLED & THEN SHIP-				
9				PED LOOSE AS AN ASSEMBLY				
10				EXCEPT FOR UPPER SUPHTR. VENT & DR.				
11		42	2	1 1/2" - 600# F ED SCR. FLG. /				
12				1/4" R F (ALSO UPPER SUPHTR.				
13				DR. & VENT)				
14		43	8	3/4" x 4 1/2" LG. STUD BOLTS /				
15				2 NUTS EA. ALLOY STL.				
16				(ALSO UPPER SUPHTR. DR. & VENT)				
17		44	2	GASKETS FOR 1 1/2" - 600#				
18				R F FLG. FLEX. (ALSO SUP-				
19				HTR. VENT & DR.)				
20		45	1	1 1/2" TO 3/4" SCR. BUSH. 2000# FS				
21		46	1	1 1/2" SCR. PIPE PLUG 2000# FS				
22		47	1	1 1/2" SCR. TEE 2000# FS				
23		48	1	1 1/2" x 4" LG. SCH. 80 SMLS.				
24				PIPE, A106, GR-B				
25		49	1	3/4" x 3" LG. SCH. 80 SMLS.				
26				PIPE, A106, GR-B				
27		50	1	STM. SAMP. PIPE ASSM.				
28				PER U.I.W. STD. SE-151				
29				DIM. "A"				
30		51						
31		52						
32		53	1	LIN. FT. 1 1/2" SCH. 80 SMLS. PIPE A106 GR-B				
33				(SUPHTR. DR. & VENT)				
34								
35				Guadalupe Barrida				
36				Cause No. 97-3790-C				
37								

D&E 00516

SHEET 1 OF 2 SHEETS

DR. BY WVB
CK. BY VIVI
SL = SHIP LOOSE
CONTRACT NAME SOUTHWESTERN OIL & REFINING CO.

UNION IRON WORKS
DIVISION OF RILEY STOKER CORPORATION

CONTRACT NO. S-90755

PART SCHEMATIC PIPING (REAR) DATE 3-24-65 REV.

DWG. NO. W-1031 SA THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY 1 UNITS ON CONTRACT

LINE	SL	MARK	USE	DESCRIPTION	WT.	MATERIAL	REMARKS	COST
1	1	54		LIN. FT. 3/4" SCH. 80 SMLS. PIPE				
2				A106, GR-B (LOWER SUPHTR.				
3				DRAIN)				
4		55						
5		56						
6								
7				ITEMS 57-64 (SUPHTR., BOILER,				
8				SAFETY VALS)				
9	8	57		5/8" x 4 1/2" LG. STUD BOLTS/2				
10				NUTS EA. ALLOY STL. (BLR.)				
11	1	58		GASKET FOR 2" 600# RF				
12				FLG. FLEX. (BLR.)				
13		59						
14	8	60		3/4" x 5" LG. STUD BOLTS/2				
15				NUTS EA. ALLOY STL. (BLR.)				
16	1	61		GASKET FOR 2 1/2"-600# RF				
17				FLG. FLEX. (BLR.)				
18		62						
19	4	63		3/4" x 4 1/2" LG. STUD BOLTS/2				
20				NUTS EA. ALLOY STL. (SUPHTR.)				
21	1	64		GASKET FOR 1 1/2"-600# RF				
22				FLG. FLEX. (SUPHTR.)				
23		65						
24		66						
25								
26				ITEMS 67-69 (SUPPORTS)				
27		67	3	2"x2"x1/4" ANGLES x 11" LG.				
28				(DET. Z)				
29		68	3	2"x2"x1/4" ANGLE x 17" LG.				
30				(DET. X)				
31		69	6	DIAMOND #432 U-BOLTS FOR				
32				2 1/2" PIPE (DETS. Z & X)				
33								
34								
35								
36								

Guadalupe Banda
Cause No. 97-3790-C
D&E 00517

DR. BY [illegible]
CK. BY W.W.
SL = SHIP LOOSE
CONTRACT NAME SOUTHWESTERN OIL & REFINING CO. CONTRACT NO. S-90755

UNION IRON WORKS
DIVISION OF RILEY STOKER CORPORATION

PART SCHEMATIC PIPING DATE 3-23-65 REV.

DWG. NO. W-1000 & A THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY 2 UNITS ON CONTRACT

LINE	SL	MARK	USE	DESCRIPTION	WT.	MATERIAL	REMARKS	COST
1	1	13		TRERICE BX-12406 INDUS.				
2				THERMOMETER, STR. FORM,				
3				3/4" NPT, STL. UNION HUB,				
4				# 2-4-3, RANGE 100'-550°F,				
5				6" STEM				
6		14	1	U.I.W. NAME PLATE				
7		15	15	LIN. FT. OF OPERATING CHAIN				
8		16	2	SETS OF CHAIN PULL TAGS				
9		17						
10		18						
11		19						
12								
13				ITEMS 20-30 (STM. GA. PIPING)				
14		20	1	4 7/8" O.D. x 1/2" SCR. REG. FLG.				
15				F&D 600# / 1/4" R.F.				
16		21	4	5/8" x 3 3/4" LG. STUD BOLTS /				
17				2 NUTS EA. ALLOY STL.				
18		22	1	GASKETS FOR 1" 600# RF				
19				FLG. FLEX.				
20		23	1	1/2" - 90° SCR. ELLS 2000# FS				
21		24	2	1/2" SCR. GROUND JOINT UNIONS				
22				2000# FS				
23		25	1	1/2" SCR. TEE 2000# FS				
24		26	1	1/2" EDWARD #848Y GLOBE				
25				VAL.				
26		27	1	1/2" TO 1/4" SCR. BUSH. 2000# FS				
27		28	1	1/4" EDWARD #848 GLOBE VAL.				
28		29	12	LIN. FT. 1/2" SCH. 80 SMLS.				
29				PIPE, A106, GR-B				
30		30	1	1/4" x 3" LG. SCH. 80 SMLS.				
31				PIPE, A106, GR-B				
32		31						
33								
34								
35								
36								
37								

D&E 00518

Guadalupe Banda
Cause No. 97-3790-C

DR. BY [illegible]
CK. BY [illegible]
SL = SHIP LOOSE
CONTRACT NAME SOUTHWEST [illegible] OIL & REFINING CO

UNION IRON WORKS
DIVISION OF RILEY STOKER CORPORATION

CONTRACT NO. S-90755

PART SCHEMATIC PIPING DATE 3-23-65 REV.

DWG. NO. W-1030 SH A THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY 2 UNITS ON CONTRACT

LINE	SL	MARK	USE	DESCRIPTION	WT.	MATERIAL	REMARKS	COST
1		32						
2								
3		°		ITEMS 33-43 (WAT. COL. PIPING)				
4		33	4	1 1/4"-600# F&D DIAMOND				
5				FORGED STEEL WAT. COL. ELLS				
6				TYPE "D"				
7		34-32		5/8" x 4" LG. STUD BOLTS / 2 NUTS				
8				EA. ALLOY STL.				
9		35	8	GASKETS FOR 1 1/4" 600# RF				
10				FLG. FLEX.				
11		36	4	1 1/4"-600# F&D SCR. FLG. /				
12				1/4" R.F.				
13		37	4	LIN. FT. 1 1/4" SCH. 80 SMLS.				
14				PIPE, A106, GR-B				
15		38	1	3/4" SCR. GROUND JOINT UNIONS				
16				2000# FS				
17		39	2	3/8" SCR. GROUND JOINT UNIONS				
18				2000# FS				
19		40	2	3/4"-90° SCR. ELLS 2000# FS				
20		41	4	3/8"-90° SCR. ELLS 2000# FS				
21		42	14	LIN. FT. 3/4" SCH. 80 SMLS.				
22				PIPE, A106, GR-B				
23		43	28	LIN. FT. 3/8" SCH. 80 SMLS.				
24				PIPE, A106, GR-B				
25		44						
26		45						
27								
28				ITEMS 46-48 (PURGE AIR PIPING)				
29		46	2	2 1/2" SCR. GROUND JOINT UNIONS				
30				150# MI				
31		47	2	2 1/2"-90° SCR. ELLS 150# MI				
32		48	6	LIN. FT. 2 1/2" STD. WT. B.I. PIPE				
33				ASTM-A-120				
34								
35								
36								
42								

Guadalupe Banda
Cause No. 97-3790-C

D&E 00519

DR. BY WVB
CK. BY WVL
SL = SHIP LOOSE
CONTRACT NAME SOUTHWESTERN OIL & REFINING CO.

UNION IRON WORKS
A DIVISION OF RILEY STOKER CORPORATION

CONTRACT NO. S-90755

PART SCHEMATIC PIPING DATE 9-23-65 REV.

DWG. NO. M-12309 A THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY 2 UNITS ON CONTRACT

LINE	SL	MARK	USE	DESCRIPTION	WT.	MATERIAL	REMARKS	COST
1		49						
2		50						
3								
4				ITEMS 51-54 (CHEM. FEED PIPING)				
5		51	4	5/8"x3 3/4" LG. STUD BOLTS / 2				
6				NUTS EA. ALLOY STL.				
7		52	1	GASKETS FOR 1" 600# R.F. FLG.				
8				FLEX.				
9		53	1	1"-600# F&D SCR. FLG. / 1/4" RF				
10		54	1	LIN. FT. 1" SCH. 80 SMLS.				
11				PIPE, A106, GR-B				
12		55						
13		56						
14								
15				ITEMS 57-65 (FEED PIPING)				
16								
17				THE FOLLOWING ITEMS ARE TO BE				
18				SHOP ASSEMBLED THEN SHIPPED				
19				LOOSE AS AN ASSEMBLY FOR FIELD				
20				INSTALLATION				
21								
22		57	2	4"-600# LAP JOINT FLANGE				
23		58	2	4" "X"-STRONG LAP JOINT STUB END				
24		59	40	7/8"x6" LG. STUD BOLTS / 2 NUTS				
25				EACH ALLOY STL.				
26		60	5	GASKETS FOR 4" 600# RF FLG				
27				FLEX.				
28		61	2	4"-600# F&D WELDING NECK				
29				FLG. 1/4" RF				
30		62	3	4"-90°, "X"-STRONG, LG. RAD.,				
31				BUTTWELD ELLS				
32								
33								
34								
35								
36								
37								

SHEET 4 OF 6 SHEETS

D&E 00520

Guadalupe Banda
Cause No. 97-3798-C

DR. BY MN
CK. BY
SL - SHIP LOOSE

UNION IRON WORKS
A DIVISION OF RILEY STOKER CORPORATION

CONTRACT NAME SOUTHWEST. .N OIL & REFINING CO. CONTRACT NO. S-90755

PART SUPERHEATER HEADERS DATE 9-24-65 REV.

DWG. NO. HTD-5540 THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY TWO UNITS ON CONTRACT

LINE	SL	MARK	USE	DESCRIPTION	WT.	MATERIAL	REMARKS	COST
1			1	UPPER HEADER				
2		1	1	10¾" O.D. × 3/4" THK SMLSS TUBE × 11'-10" LG				
3				SA-106-GR-B				
4		2	2	8"-600# WELD NECK R.F. FLG 7.63" BORE				
5		3	1	8" × 90° BUTT WELD ELL - SH. RAD. - EX. STR				
6		4	1	1½"-600# W.N. & BLIND FLANGE & CARBON ST'L FLEX. GASKET				
7		5	4	¾" DIA. × 4½" STUD BOLT/NUTS ALLOY STEEL				
8		6	1	1½"-600# W.N. S.V.				
9		7	1	1¼"-2000# S.W. HALF COUP. THERMO WELL				
10		8	1	1"-2000# S.W. COUP. STEAM GA.				
11		9	1	1½"-3000# S.W. COUP. VENT & DRAIN				
12		10	2	10" × 8" BUTT WELD CONCENTRIC EX. STR. REDUCER				
13		11	2	10" WELD RING. FLAT PIN TYPE EX. STRONG				
14		12	3	8" WELD RING FLAT PIN TYPE EX. STRONG				
15		13	2	9¼" DIA. × 1¼" THK. PL. DIAPHRAGM				
16		14	12	½" DIA. PIN × 1" LG.				
17		15	2	3½" × 4½" H.H. PL # D-2301				
18		16	2	3½" × 4½" H.H. YOKE # D-2253				
19		17	2	3½" × 4½" H.H. GASKET ASB. TEST				
20	2	18		3½" × 4½" H. H GASKET CARBON STL FLEX. FINAL				
21		27	1	THERMO-WELL PER SE 400A CARBON STEEL				
22			1	LOWER HEADER				
23		19	1	10¾" O.D. × ¾" THK SMLSS TUBE × 6'-6" LG SA-106 GR-B				
24		20	2	9" DIA. × 1¼" THK. PL SA-212-GR-B				
25		21	2	⅜" × ⅜" BAR × 2'-3⅜" LG (ROLL TO 9¼" O.D.)				
26		22	1	9¼" DIA. × 1¼" THK PL DIAPHRAGM				
27		23	6	½" DIA. PIN × 1" LG				
28		24	2	½" × 3" BAR × 3¼" LG STN STL #304 GUIDE				
29		25	2	¾" SCH 80 PIPE × 1 15/16" LG. SA335-P22				
30								
31				DRAIN ASS'Y & MISC. ITEMS				
32		26	3	¾"-3000 S.W. ELL @ 90° SA-182-F22				
33								
34								
35								
36								
37								

D&E 00521

SHEET 1 OF 2 SHEETS

Guadalupe Banda
Cause No. 97-3793-C

DR. BY M.N.
CK. BY E.C.
SL = SHIP LOOSE
CONTRACT NAME SOUTHWES[illegible]RN OIL & REFINING CO

UNION IRON WORKS

A [illegible]SION OF RILEY STOKER CORPORATION

CONTRACT NO. S-90755

PART SUPERHEATER SUPPLY PIPE DATE 9-28-65 REV.

DWG. NO. HTD-5540-A THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY TWO UNITS ON CONTRACT

LINE	SL.	MARK	USE	DESCRIPTION	WT.	MATERIAL	REMARKS	COST
1	1			SUPERHEATER SUPPLY PIPE				
2		1	2	8"-600# W.NECK FLG (R.F.) 7.63" BORE				
3		2	2	8" BUTT WELD ELL x 90° X-STR LONG RAD.				
4		3	1	8" SCH. 80 PIPE x 7'-8 3/16" LG SA-106-GR-B				
5		4	1	8" SCH 80 PIPE x 6 1/4" LG SA-106-GR-B				
6		5	5	8" WELD RING (FLAT PIN TYPE) X-STR.				
7		6	1	1 1/2"-600# W.N. VENT & STM SAMP.				
8								
9								
10				MISCELLANEOUS ITEMS				
11	2	9		GASKET FOR 8"-600# W. NECK FLG				
12				(RAISED FACE) CARBON ST'L FLEX				
13	24	10		1 1/8" DIA. STUD BOLT x 8" LG WITH				
14				2 NUTS ALLOY STEEL				
15								
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D&E 00522

(12) SHOP ASSEMBLED SHIPMENT

The Company shall assemble each boiler unit, prior to shipment, including tubes, drums, refractories, baffles, tile, insulation, burner front, windbox, burners and steel casings.

The front wall in the furnace section shall consist of 9" of firebrick and 4" of high temperature block insulation covered by the burner front and windbox.

That portion of the front wall which is not covered by the windbox and is backed up by the boiler tubes shall consist of 2" of tile laid up in high temperature cement, 2" of block insulation and a No. 10 Ga. steel casing.

The rear wall shall consist of 2 layers of 2" shiplap refractory tile, laid up in high temperature cement, 5" of high temperature block insulation and a No. 10 Ga. steel casing.

The furnace floor shall consist of 2" of plain edge tile above the tubes, 3" of insulating castable refractory, Decrete #30, and a 3/16" reinforced steel supporting plate. This plate will be properly reinforced and fabricated to carry the floor load and to seal the setting against any leakage.

The side and top walls of the boiler shall be constructed of tangent tubes, covered with 2 layers of 1/4" asbestos millboard, 2" of insulation, and a No. 10 Ga. steel casing.

The exposed straight portion of the top drum shall be covered with 2" of blanket insulation and a No. 12 Ga. steel casing.

The casing shall be constructed of reinforced flanged panels with all joints seal welded to form a pressure tight enclosure.

External Insulation by Purchaser - Exposed portion of superheater and supply header, economizer headers, trim piping and valves and upper front drum heads. See Alternate IV for insulation of other surfaces.

(13) CENTRIFUGAL TYPE STEAM SEPARATOR

The Company shall furnish and install, in the top steam drum of the boiler, one (1) UNION centrifugal type steam purifier designed to give steam of high quality, to take up a minimum of space, and allow easy access for maintenance.

Guadalupe Banda
Cause No. 97-3798-C

D&E 00523

(12) SHOP ASSEMBLED SHIPMENT

The Company shall assemble each boiler unit, prior to shipment, including tubes, drums, refractories, baffles, tile, insulation, burner front, windbox, burners and steel casings.

The front wall in the furnace section shall consist of 9" of firebrick and 4" of high temperature block insulation covered by the burner front and windbox.

That portion of the front wall which is not covered by the windbox and is backed up by the boiler tubes shall consist of 2" of tile laid up in high temperature cement, 2" of block insulation and a No. 10 Ga. steel casing.

The rear wall shall consist of 2 layers of 2" shiplap refractory tile, laid up in high temperature cement, 5" of high temperature block insulation and a No. 10 Ga. steel casing.

The furnace floor shall consist of 2" of plain edge tile above the tubes, 3" of insulating castable refractory, Decrete #30, and a 3/16" reinforced steel supporting plate. This plate will be properly reinforced and fabricated to carry the floor load and to seal the setting against any leakage.

The side and top walls of the boiler shall be constructed of tangent tubes, covered with 2 layers of 1/4" asbestos millboard, 2" of insulation, and a No. 10 Ga. steel casing.

The exposed straight portion of the top drum shall be covered with 2" of blanket insulation and a No. 12 Ga. steel casing.

The casing shall be constructed of reinforced flanged panels with all joints seal welded to form a pressure tight enclosure.

External Insulation by Purchaser - Exposed portion of superheater and supply header, economizer headers, trim piping and valves and upper front drum heads. See Alternate IV for insulation of other surfaces.

(13) CENTRIFUGAL TYPE STEAM SEPARATOR

The Company shall furnish and install, in the top steam drum of the boiler, one (1) UNION centrifugal type steam purifier designed to give steam of high quality, to take up a minimum of space, and allow easy access for maintenance.

Guadalupe Banda
Cause No. 97-3790-C

D&E 00524

UNION DRAINABLE SUPERHEATERS

The Company shall furnish and install, in each boiler unit, one (1) UNION seven-tube, bare tube, drainable type superheater.

The superheater shall be designed for 475 psig pressure and 600 deg. F. total temperature, plus or minus 10 deg. F. when operating at 425 psig pressure at the superheater outlet and 125,000 pounds of steam per hour maximum continuous rating when being fired with fuel gas as specified and having a feedwater temperature of 240 deg. entering the economizer.

The Company shall include all pressure parts from the drum outlet to the superheater inlet header, necessary supports for the elements and their required spacers, as well as all refractory seal material, outlet header, all completely assembled in each boiler unit.

The Company shall include one (1) inlet header and one (1) outlet header, each 10-3/4" O.D. x 3/4" wall, the outlet header being fitted with an 8" Series, 600 pound raised face flange.

The required sections in the superheater will consist of 2" O.D. by .150" wall thickness resistance welded material specification SA-178-C.

Approximate heating surface is 577 square feet.

Guadalupe Banda
Cause No. 97-3790-C

D&E 00525

UNION STEEL FINNED TUBE SHOP ASSEMBLED ECONOMIZERS

The Company shall furnish for each unit, for installation by others, on supporting steel, one (1) extended surface steel finned tube economizer, shop assembled, having 9 tubes wide, 22 rows high, each tube having an effective length of 10'-0". The economizer shall have a 3/16" inner casing.

Approximate dimensions of the economizer will be 3'-8-1/2" inside width, 10'-2" inside length by 9'-4-1/2" height over channels.

Approximate heating surface shall be 7,310 square feet.

Economizer design pressure shall be 725 psig.

All casing seams are to be continuously welded.

Guadalupe Banda
Cause No. 97-3790-C

D&E 00527

CONNECTING GAS AND AIR DUCTS

The economizer shall be mounted directly above the boiler gas outlet shown on Drawings PS-6752 and #4A, and the duct system shall include the following:

Cold air duct connecting forced draft fan to windbox.

Hot gas duct connecting the boiler to the economizer.

All ducts shall be constructed of 3/16" plate, T-bars reinforcement and all hot ducts shall be provided with insulation anchors designed to retain Purchaser's insulation.

Velocities will be as specified. Access doors and expansion joints, where required, are included.

Guadalupe Banda
Cause No. 97-3793-C

D&E 00528

PEABODY BURNERS AND WINDBOX

The Company shall furnish and install, prior to shipment, on each boiler unit, the following Peabody Engineering Corporation natural gas fuel burning equipment:

One (1) - Peabody windbox assembly measuring approximately:

8'-6" high by 5'-6" wide by 3'-0" deep, fabricated of 1/4" plate and suitably reinforced to support the registers, mounted therein. The windbox will be designed such that it will provide for air entry from the F. D. fan on the right-hand side. The entire windbox assembly will be shop welded to the 3/8" boiler front plate.

Two (2) - Peabody MT-23 forced draft registers complete with pressuring seal ring, gas ring and saddle diffuser pipe and diffuser, flame scanner adapter and bottom register to have a swing front.

Two (2) - "PPM" gas-electric ignitors.

Two (2) - Sets special riffled (multi-directional) refractory furnace throat tile.

Guadalupe Banda
Cause No. 97-3798-C

D&E 00529

FRONT PLATFORM

The Company shall furnish and install, prior to shipment, on each boiler unit, a steel ladder, platform, cage and rail guard essentially as shown on the enclosed sketch #1A following.

All joints to be continuously welded.

Guadalupe Banda
Cause No. 97-3790-C

D&E 00530

SERVICES OF ENGINEERS

The Company shall furnish the services of a Factory Engineer for the purpose of checking the completed installation for correctness, for the purpose of advising during the initial adjusting of burner and controls (if furnished) and for the purpose of consulting with and advising the customer's employees during the start-up period at a per diem rate of $100.00 per day plus travel time and travel expense.

Should a superintendent of erection be required for supervising of field installation work and supervision of boil-out, drying out and testing, these services can be provided for by the Company at an additional charge of $100.00 per day per man as required. Operation, insurance requirements and fuel are the responsibility of the Purchaser.

Guadalupe Banda
Cause No. 97-3798-C

D&E 00531

CONDITIONS OF PROPOSAL

1. The Company has not included any federal, excise, state or local taxes as brought out on Sheet PC-124 enclosed with this proposal.

2. The services of an erection superintendent and services of an engineer to advise and consult during the start-up have been quoted on a per diem basis.

3. This quotation is made subject to rail shipping clearances which are now being checked to Corpus Christi, Texas depending on selected method.

4. Insulation will be furnished and installed by the Purchaser on all equipment unless otherwise described.

5. Combustion controls and instruments by the Purchaser.

6. Fan drives by Purchaser.

Guadalupe Banda
Cause No. 97-3790-C

D&E 00532

STANDARD GENERAL PERFORMANCE FORM

Performance data for the equipment covered, are submitted herewith and made a part of this proposal in the standard form *recommended* by the AMERICAN BOILER MANUFACTURERS ASSOCIATION AND AFFILIATED INDUSTRIES.

CONDITIONS.

The performance data herein are based on the conditions as stated in Pars. 1 to 6 incl.

1. The general arrangement of equipment furnished by the COMPANY, and the general design and arrangement of related equipment furnished by others, shall be not less favorable than indicated below:

The equipment shall have been erected in accordance with the COMPANY'S plans and specifications, properly maintained and operated by the PURCHASER, and shall be in operating condition satisfactory to the COMPANY. The heat absorbing surfaces shall be clean inside and out.

~~2. There shall be sufficient draft available at the boiler outlet to dispose of the gaseous products of combustion evolved at the rating specified and in addition giving draft in the furnace at the entrance of the first pass of xxxxxxxxxx in static water gauge as measured at a point immediately in front of the highest point at which the combustion gases leave the furnace and the dampers shall be sufficiently tight so a furnace draft of xxxxxxxxxx in water gage can be maintained at minimum ratings.~~

2. (*Alternate for Pressure Firing when Forced Draft Fan furnished by Purchaser*). There shall be sufficient forced draft fan capacity available to provide the necessary air for combustion at a pressure at the burner windbox required to overcome all of the resistance through the unit including the breeching and stack. Means shall be provided to control the furnace pressure and the supply of air at minimum ratings.

~~2. (Alternate for Pressure Firing when Forced Draft Fan furnished by Company). There shall be sufficient forced draft fan capacity available to provide the necessary air for combustion at a pressure at the burner windbox required to overcome all of the resistance through the unit including the breeching and stack. Means shall be provided to control the furnace pressure at minimum ratings.~~

3. Ambient air conditions:

Temperature of boiler room air, deg F.	80
Relative humidity of boiler room air, per cent	60
Barometric pressure, in. Hg.	29.921
Weight of water per lb. of air, lb.	0.013

Guadalupe Banda
Cause No. 97-3798-C

4. The fuel characteristics shall not be less favorable than indicated by the following analyses:

FUEL (As Fired) ~~Dry~~

Source of Analyses		Company Standards
SOLID	Kind	
	A.S.T.M. STANDARD D-388-38 — Class	
	A.S.T.M. STANDARD D-388-38 — Group	
	SOURCE — Mine	
	SOURCE — Seam	
	SOURCE — District	
	SOURCE — County	
	SOURCE — State	
	Size	
	Grindability	
	Surface Moisture Per cent	
	PROX. ANALYSES Per cent — Moisture	
	PROX. ANALYSES Per cent — Vol. Matter	
	PROX. ANALYSES Per cent — Fixed Carbon	
	PROX. ANALYSES Per cent — Ash	
	PROX. ANALYSES Per cent — Total	
	ASH TEMP. Deg. F. — ( ) Reducing ( ) Oxidizing	
	ASH TEMP. Deg. F. — Initial Def. (Min. / Max.)	
	ASH TEMP. Deg. F. — Softening	
	ASH TEMP. Deg. F. — Liquid	
	Ash Per cent	
LIQUID	Kind	
	Gravity °A.P.I.	
	Required Viscosity at Burner	
	Oil Press. at Burner lb./sq. in.	
	Steam Press. at Burner lb./sq. in.	
GASEOUS	Kind	Natural Gas*
	Sp. Gravity Relative to Air	.58 @ 60°F.
	Gas Pressure at Burner in. Hg	15 psig min.
	Gas Temp. at Burner °F.	60°
ULTIMATE ANALYSES	Fuel	Natural Gas
	Per cent By	Volume
	Ash	
	S	
	H_2	8.0
	C	
	CH_4	85.0
	C_2H_4	
	C_2H_6	4.0
	CO	
	CO_2	
	SO_2	
	H_2O	
	N_2	3.0
	O_2	
	TOTAL	100.00
	Btu/lb.	HHV 20,350
	Btu/cu. ft. at 60° F. 30 in. Hg.	HHV 1059

* Above fuel used for Performance calculations; actual fuel will vay from 850 BTU/SCF to 1200 BTU/SCF. Burners will be drilled for 850 BTU/SCF.

Guadalupe Banda
Cause No. 97-3790-C

D&E 00534

5. **OPERATING CONDITIONS.**

	Base Bid		
Actual Evaporation—lb. per hr.	62,500	100,000	125,000
Rating—per cent		---	
Heat Output—kB/hr.		---	
Pressure at Suphtr. outlet, lb. per sq. in.	425	425	425
Steam Temp. at Suphtr. outlet, deg. F.	585	595	600
Feed Temp. entering Economizer deg. F.	240	240	240
Blow-down (lb. of water per hr.)		---	
Temperature of air leaving air heater, deg. F.		---	
Gas Temp. leaving economizer deg. F.	291	320	342
CO_2 or excess air in gas leaving furnace, per cent	10.1	10.0	10.0
CO_2 or excess air in gas leaving Economizer per cent	10.0	10.0	10.0
Gas Temp. Lvg. Blr., Deg. F.	530	592	626
Air Temp. to Blr. Deg. F.	80	80	80
Air Entering Blr., PPH	65,000	104,000	131,600
Gas Leaving Blr., PPH	68,500	109,600	138,800

6. **HEAT LOSSES – PER CENT.**

Dry Gas	3.70	4.20	4.59
Hydrogen and Moisture in Fuel	10.81	10.91	11.00
Moisture in Air	.10	.11	.11
Unburned Combustible		---	
Radiation	.90	.60	.48
Unaccounted For			
Manufacturer's Tolerance	1.00	1.00	1.00
Total Heat Loss	16.41	16.82	17.19
Efficiency - % (HHV)	83.59	83.18	82.81

GENERAL.

7. It is recognized that the performance of the equipment covered in this proposal cannot be exactly predicted for every possible operating condition. In consequence, any predicted performance data submitted are intended to show probable operating results which may be closely approximated but which cannot be guaranteed except as expressly stated in the guarantee clause or clauses in this proposal.

8. Any performance curves submitted are for the PURCHASER'S convenience and the performance indicated thereon is not offered by the COMPANY, nor to be construed by the PURCHASER, as a proposal or contract obligation.

Guadalupe Banda
Cause No. 97-3798-C
D&E 00535

TESTS.

9. Performance tests — if required — shall be run within 30 days after the PURCHASER shall have received notice from the COMPANY that the equipment furnished is ready for testing, it being understood that the COMPANY may require preliminary tests. Tests shall be conducted only on one representative unit mutually agreed upon by the PURCHASER and the COMPANY. The PURCHASER, at his own expense, shall make all preparations, furnish all operating and testing personnel and incur all expenses connected with such tests, and shall give to the COMPANY at least 15 days' notice of the date or dates on which tests will be made.

The COMPANY's representative shall have access to the records at all times, and the test shall be conducted in a manner to satisfy the COMPANY that the specified performance conditions are being maintained. A complete copy of test data and results shall be furnished to the COMPANY.

The equipment shall be considered as accepted if tests show that the guarantees, if made, have been fulfilled, or if the PURCHASER shall fail to have said equipment tested within period mentioned. In case of failure to meet performance guarantees, the COMPANY reserves the right to change or replace the equipment furnished so that guaranteed performance will be obtained.

10. Performance tests — if required — and performance calculations shall be made in accordance with the applicable Short Test Form in the latest edition of the A.S.M.E. Test Code for Stationary Steam Generating Units, and the measure of performance shall be the results of such tests. Performance calculations shall be based on the steam tables in the latest edition of "Thermodynamic Properties of Steam" by Keenan & Keyes.

Guadalupe Banda
Cause No. 97-3798-C
D&E 00536

STANDARD GUARANTEED PERFORMANCE

STEAM GENERATING UNIT OR

BOILERS—WITH OR WITHOUT WATER WALLS

CONDITIONS.

1.1 The Co_2 or excess air in gas leaving the furnace shall be determined by sampling uniformly across the width of the furnace. There shall be no delayed combustion beyond the furnace outlet.

1.2 The draft loss through the boiler is the draft loss from a point immediately in front of the highest point at which the combustion gases leave the furnace to a point immediately in front of the boiler damper.

1.3 *Water:* The condition of the concentrated boiler water shall be such that:

(a) The total solids do not exceed 3000 ppm;

(b) The total suspended solids do not exceed 250 ppm;

(c) The total alkalinity does not exceed 600 ppm.

~~The total solids of the entering feedwater shall not exceed _____ ppm. (delete this sentence if steam not drawn.)~~

Chemicals used for internal treatment should be supplied to the boiler preferably through a separate boiler connection, used exclusively for that purpose, and in such a manner so as to prevent deposits on drum internals which would interfere with proper operation.

1.4 Samples of water for testing shall be taken from the continuous blowdown if installed, otherwise through a suitably located sampling pipe. Samples shall be taken through a cooling coil to prevent flashing. Sampling and determination of boiler water conditions shall be under the methods contained in ASTM Special Technical Publication No. 148.

1.5 *Responsibility:* The treatment of feedwater and the conditioning of boiler water are beyond the control of the COMPANY. Therefore, the COMPANY shall not be held responsible for damage due to the presence of oil, grease, scale or deposits on the internal surfaces of the equipment; or for damage resulting from foaming caused by chemical conditions of the water; or for damage resulting from corrosion or caustic embrittlement.

The COMPANY shall not be responsible for carryover resulting from the presence of oil, grease or other foam inducing materials.

1.6 *Test Procedure for Solids in Steam:* Samples of condensed steam for determination of solids shall be obtained in accordance with the method specified in the latest edition of ASTM D-1066 entitled Tentative Method for Sampling Steam.

There are two commonly accepted methods for the determination of solids in steam. These are—

1. Electrical conductivity method for dissolved solids.
2. Gravimetric method for total solids.

Because of the normally small difference in the total and dissolved solids, and the complexity, time and degree of skill involved in the gravimetric determination, it is usual to accept the electrical conductivity method of testing.

The electrical conductivity determination of dissolved solids in the condensed steam shall be made in accordance with ASTM D-1125-50 T, Tentative Method on Electrical Conductivity of water. Remove dissolved gases from the sample as completely as possible by mechanical means without contaminating the sample with any added material which will increase its conductivity. The conductivity shall be corrected to compensate for residual ammonia, carbon dioxide or other gases remaining in the sample and the dissolved solids shall be calculated from this corrected conductivity. For measuring performance by the electrical conductivity method, the average of ten determinations made at regular intervals throughout the test period shall be used.

The gravimetric determination of total solids in the condensed steam may be made in accordance with Method A of the latest edition of ASTM D-1069 entitled Tests for Suspended and Dissolved Solids in Industrial Waters, or a similar method embodying the essential principles of that specification. For measuring performance by the gravimetric method, the results shall be expressed as the average of three determinations made upon a composite sample which shall be taken throughout the entire test period.

Guadalupe Banda
Cause No. 97-3796-C

D&E 00537

STEAM GENERATING UNITS

A steam generating unit is defined as a combination of
boiler, superheater, air heater and/or economizer.

GUARANTEES

Subject to the conditions specified above and in preceding Standard General Performance Form, the COMPANY makes the following guarantees:—

1.7 *Peak Load Capacity* The unit can be operated for a period not exceeding.....hr. at a capacity not exceeding.....lb. of steam per hr., with an interval of not less than .....hr. between each such period.

1.8 *Performance at* Normal Cont: *Capacity* At a capacity of.....125,000.....lb. of steam per hr;

(a) The combined efficiency of the unit will not be less than.....82.81.....per cent;

(b) The average draft loss through the unit will not exceed.....16.34.....in. of water;

(c) [redacted]

(d) The average temperature of the steam leaving the superheater will be .....600..... F plus or minus 10 F;

(e) The steam pressure drop between boiler drum and .....Suphtr.....outlet will not exceed.....32.....lb. per sq. in.;

(f) [redacted]

(g) The average water pressure drop through the economizer (not including valves) will not exceed.....10.0.....lb. per sq. in.;

(h) The total solids in the steam leaving the boiler will not exceed.....1.....p.p.m.

Lbs. Steam Per Hour	62,500	100,000	125,000
Heat Release BTU/FT^3/HR (HHV)	49,300	79,800	100,000
Heat Release BTU/FT^2/HR (HHV)	94,400	153,000	192,000

Guadalupe Banda
Cause No. 97-3790-C

D&E 00538

GENERAL CONDITIONS

This proposal, including any drawings submitted pertaining thereto, is the property of the Company; it contains confidential information and is loaned to the Purchaser on condition that he and his representatives have, by receiving it, agreed not to, without permission, reproduce or copy it, in whole or in part, or to furnish information from it to others, or to make any use of it that is, or may be, injurious to the Company, and to return it upon request.

DRAWINGS

The Purchaser shall furnish the Company with all information, instructions and drawings requisite to the execution of the work.

The Company shall not furnish any drawings other than such general arrangement drawings as are necessary for the work. The Company shall furnish its drawings promptly and the Purchaser shall check, approve and return one set without delay. If desired the Company shall furnish free of charge not more than five (5) sets of prints of above drawings and five (5) sets of operating instructions. Additional sets of prints or operating instructions, if required, shall be furnished at current prices.

SHIPPING DATE

The shipment of the equipment herein shall start **See Accompanying Letter** (hereinafter called the contract shipping date) after receipt of the acceptance of this proposal, or the final approval of all drawings and contract detail., or after receipt of material, whichever date may be the later.

TRANSPORTATION AND DELIVERY

Transportation charges from point of shipment to destination shall be paid by **the Company**

In the event of change in freight rates or taxes thereon prior to delivery, and provided that the contract price includes transportation charges to be paid by the Company, such contract price shall be adjusted to cover the additional or reduced cost to the Company due to such change in freight rates or taxes.

The type of transportation and the routing shall be controlled by **the Company**

Unloading, hauling and handling between the points of delivery by the transporter and the site of erection shall be done by **the Purchaser** . If hauling is done by the Company, the Purchaser shall provide railroad siding for use of the Company within 200 feet of boiler site.

LIABILITY FOR DELAYED SHIPMENT OR ERECTION

The Company shall not be liable for any loss or damage resulting from delay in shipment or in erection (if the Company has assumed any obligation with respect to erection hereunder) caused by fires, floods, strikes, riots, thefts or accidents, or any other cause whatsoever beyond the reasonable control of the Company which may delay or prevent delivery or erection of the equipment to be furnished hereunder. In the event of delay in or postponed erection arising from causes beyond the control of the Company, the Purchaser shall protect the equipment against damage from weather and other causes.

The Company shall not be liable in any event for loss of anticipated profits, loss by reason of plant shut-down, non-operation or increased expense of operation of other equipment, or other consequential loss or damage of any nature except as may be hereinafter specifically provided.

RESPONSIBILITY

The quality of feedwater and its treatment are beyond the control of the Company. Therefore, the Company shall not be held responsible for damage due to intercrystalline cracking, commonly known as caustic embrittlement, corrosion, scale or other deposits on the internal surfaces of the equipment. The Company shall not be responsible for corrosion of materials caused by the corrosive characteristics of the fuel burned. The Company shall not be liable for any injury to persons, damage to property or consequential damages whatsoever caused by or in any way attributed to the design, operation or mal-functioning of any control equipment or control devices of any kind or nature whatsoever, whether or not furnished by the Company and whether or not operated on suggestions of the Company. It shall be the Purchaser's responsibility to properly operate, care for and maintain in good working condition all control equipment or control devices offered in this Proposal-Contract. Unattended operation is not recommended.

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Page 69
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WARRANTY AND LIMITATION OF LIABILITY OF COMPANY

The COMPANY shall repair or shall replace f.o.b. point of shipment, any parts of said equipment which within one year from the date of initial operation are found to be defective in design, workmanship, or material and shall repair or shall replace any erection work (if erected by the COMPANY) found to be defective within said period of one year; provided said equipment is operated by the PURCHASER in accordance with generally approved practice and in accordance with the conditions of service, if any, herein specified, and provided the PURCHASER notifies the COMPANY in writing as soon as such defect becomes apparent. No other warranty, other than title, shall be implied from the manufacture, sale, furnishing or erection of any of the said equipment to be furnished hereunder, or its use, except as may be otherwise specifically provided herein. The COMPANY shall have no other liability or obligation of any kind or nature, arising from defective design, workmanship or material, or from defects in erection work (if erected by the COMPANY). The COMPANY shall not be responsible for work done, equipment or parts furnished, or repairs made by others, or for any loss, damages or expense arising from such work, equipment, parts or repairs.

PATENTS.

The COMPANY shall defend at its own expense any suit or action brought against the PURCHASER based on a claim that the equipment, or any part thereof, furnished hereunder constitutes an infringement of any patent of the United States, if notified promptly in writing and given authority, information and assistance for the defense of same, and the COMPANY shall pay all costs awarded therein against the PURCHASER. In case the equipment or any part thereof is in such suit held to constitute infringement and its use is enjoined, the COMPANY shall, at its own expense, either procure for the PURCHASER the right to continue using said equipment; or replace same with non-infringing equipment; or modify it so it becomes non-infringing; or remove said equipment and refund the purchase price and the transportation and installation costs thereof.

RISK OF LOSS OR DAMAGE.

Risk of loss of or damage to the equipment called for and furnished under the terms of this Contract shall pass to the PURCHASER upon delivery of the equipment or any portion thereof by the COMPANY to a common carrier at point of origin in the case of shipments f.o.b. point of origin, and when equipment arrives at destination in the case of shipment f.o.b. point of destination.

When the equipment is ready for shipment and shipment is delayed or postponed through any causes beyond the control of the COMPANY, the PURCHASER shall arrange for storage of the equipment covered by this Contract other than at the Works of the COMPANY, or when equipment is ready for erection and erection is delayed or postponed through any causes beyond the control of the COMPANY, the PURCHASER shall protect the equipment against damage from the weather or other causes, and in any case the PURCHASER shall assume the risk of loss or damage and shall be responsible for any charges in connection with storage or reconditioning.

INSURANCE.

From the date that risk of loss of and damage to the equipment passes to the Purchaser as provided above, and until the equipment is finally accepted and the Contract Price paid in full, or until all obligations of the COMPANY hereunder have terminated, the PURCHASER shall provide and maintain insurance in the names of the PURCHASER and the COMPANY as interest may appear, to the total value of the equipment and of all work performed in the erection thereof against risk of fire, lightning, wind storm, air craft and explosion, including inherent and boiler explosion and proceeds of such insurance shall be applied to the cost of repairing and replacing the equipment and work destroyed or damaged.

BACKCHARGES AND ALLOWANCES.

The COMPANY shall not be called upon to make any allowance for material, labor, repairs or alterations made for its account unless authorized by it in writing.

FOUNDATIONS.

THE COMPANY shall provide the PURCHASER with general arrangement drawings showing the equipment with reference to foundations, including loading diagrams and showing location of anchor bolts in the foundations. The COMPANY shall not be responsible for depth of the footings, size or accuracy of the foundations or the character of the materials selected for such construction. Adequate foundations, having plan measurements in accordance with such drawings including foundation bolts and plates, concrete work, all grouting and excavation, shall be furnished in place in due time by the PURCHASER. The COMPANY shall not be responsible for any damages, or repairs necessary to the equipment furnished by it, caused by or resulting from defects in or settlement of the foundations.

STEEL WORK.

Unless otherwise stated, any supporting steel to be furnished by the COMPANY as specified in this Proposal will be designed to support the equipment which the COMPANY proposes to furnish and will be designed in accordance with the latest Rules of the American Institute of Steel Construction. If the COMPANY is required to increase the size or weight of its supporting structures to conform to other than these Rules or because of additional loadings imposed by the PURCHASER, the PURCHASER shall reimburse the COMPANY for the additional steel required.

LIABILITY AND DAMAGE TO PERSONS OR PROPERTY.

1. LIABILITY AGREEMENT. The COMPANY shall be responsible for any loss by reason of the liability imposed upon it by law for damages

(a) because of bodily injuries, including death at any time resulting therefrom, accidentally sustained by any person or persons, and

(b) because of accidental injuries to or destruction of property

occuring prior to the completion of the work contemplated by this proposal and due to any negligent act or omission of the COMPANY or of its employees, or of its sub-contractors, or of such sub-contractors' employees in connection with the performance of such work; but this agreement shall not include such injuries to any person or persons or injury to or destruction of any property due to any negligent act or omission of the PURCHASER, or of his employees, or of any employee paid by the PURCHASER who may be utilized by the COMPANY to do all or any part of the work called for under this proposal.

2. INSURANCE AGREEMENT. The COMPANY shall provide and maintain at its own expense until completion of the work the following forms of insurance in respect of its own employees:

WORKMEN'S COMPENSATION INSURANCE including EMPLOYERS LIABILITY INSURANCE in accordance with the laws of the state in which the COMPANY may be required to pay compensation;

PUBLIC LIABILITY INSURANCE with an individual limit of not less than $100,000 and a total limit for any one accident of not less than $200,000 (but not in respect of any employee paid directly by the PURCHASER but utilized by the COMPANY).

3. LIABILITY FOR DAMAGE TO PERSONS OR PROPERTY IF CAUSED BY EMPLOYEES OF THE PURCHASER. If the PURCHASER furnishes workmen for the unloading, transportation, loading, handling or erection of the equipment to be furnished by the COMPANY hereunder, or if the COMPANY or its Erection Supervisor utilizes workmen paid directly by the PURCHASER, to perform the work covered by this Contract, then the PURCHASER shall indemnify and hold harmless the COMPANY from any and all liability, claims, suits or expenses in connection with bodily injuries including death at any time resulting therefrom and in connection with any damage to or loss of property, sustained by any person or persons including such workmen, occurring during the performance of such work, except such injury, death, damage or loss as may result from the negligent acts or omissions of the COMPANY or its employees. The PURCHASER shall at his own expense defend any and all suits brought against the COMPANY alleging any such injury, death, damage or loss, even if such suit or suits are groundless, false, or fraudulent.

4. RESPONSIBILITY OF PURCHASER FOR OPERATION OF EQUIPMENT PRIOR TO FINAL ACCEPTANCE. With respect to all preliminary operations, demonstration of capacity and performance guarantees, representatives of the COMPANY are authorized only to advise and consult with the PURCHASER or its representatives and no representative of the COMPANY is licensed to operate the equipment. In the event the PURCHASER shall operate the equipment specified hereunder prior to final acceptance, the PURCHASER shall indemnify and save harmless the COMPANY against any loss or expense and against any liability imposed upon the COMPANY for any injury to person or damage to property, including the equipment furnished by the COMPANY, resulting from the operation of such equipment by the PURCHASER prior to final acceptance, except any such loss, expense or liability for injury or damage, resulting from the negligent acts or omissions of the COMPANY or its agents or employees.

5. NOTIFICATION OF CLAIMS. The PURCHASER shall notify the COMPANY immediately, by Registered Mail addressed to the COMPANY at its Main Office, of all claims brought against the PURCHASER for which the COMPANY may be liable and the COMPANY shall notify the PURCHASER immediately, by Registered Mail addressed to the PURCHASER at Corpus Christi, Texas, of all claims brought against the COMPANY for which the PURCHASER may be liable.

Guadalupe Banda
Cause No. 97-3793-C

D&E 00541

PRICE AND TERMS.

The contract price shall be - See Accompanying letter.
or as per accompanying letter and as stated in the acceptance of the proposal, payable in New York exchange free from collection charges to the COMPANY and to be paid as follows, payments to be prorated as shipments go forward:

95 % net cash on shipment, [redacted]

5 % net cash 30 days from date of shipment.

When the equipment is ready for shipment and shipment is deferred beyond the contract shipping date through no fault of the COMPANY, 95 % of the contract price shall nevertheless be due on the contract shipping date and 5 % in 30 days from date of actual shipment In the event of shipment being so deferred for six months or more, beyond the contract shipping date, the final payment of 5 % shall be due and payable at the expiration of such period of six months. The PURCHASER shall also pay to the COMPANY all storage, painting, handling, and insurance premium charges when resulting from such delays in shipment.

"The prices quoted for the proposed base bid equipment and any alternates are F.O.B. point of manufacture with full freight allowed and prepaid to closest railroad siding to location of installation and are subject to confirmation of final clearances from carriers."

D&E 00542
Guadalupe Banda
Cause No. 97-3790-C

PRICE ADJUSTMENT

In the event that shipment is delayed beyond the contract shipping date for reasons beyond the control of the Company, including, but not limited to, the causes recited in the paragraph in the General Conditions captioned "Liability for Delayed Shipment", or at the request of the Purchaser, the contract price shall be adjusted in accordance with the Company's standard "Material and Shop Labor Price Adjustmen' Clauses".

WIRING

All shop wiring included in this proposal shall be done in accordance with the National Electric Code. If area regulations require a departure from the type of wiring included in this proposal, or if area regulations require rewiring in the field, such additional expense shall be paid for by the Purchaser.

UNIFIED SHIPMENT

When rail shipment is included in this proposal, each boiler unit shall be shipped in carload lot to the standard gauge railroad siding nearest the Purchaser's plant site, depending upon the Company's ability to obtain shipping clearance from the railroad company.

When truck shipment is included in this proposal, each boiler unit shall be shipped in truckload lot to the Purchaser's plant site, depending upon the Company's ability to obtain shipping permits from the state, county or city road commissions.

When shipping charges are included in this Proposal-Contract or accompanying letter of quotation, any change in transportation carrier or method of shipment from that contemplated by the Company will result in an adjustment of the price to cover the additional or reduced cost to the Company.

STANDARD ASSEMBLIES

Any changes made in the material furnished or to the shop assembly of the boiler unit as described in this Proposal-Contract or accompanying letter of quotation will result in an adjustment of the price to cover the additional or reduced cost due to such change. In the event that any changes are made, the delivery estimate as established by the Proposal-Contract or accompanying letter of quotation will become void.

PIPING

All shop assembled piping shall be made tight at the factory prior to shipment. Any leakage developed during shipping, transporting or handling after leaving the factory shall be corrected by the Purchaser with no recourse to the Company. If repiping is required in the field for any reason, the additional expense shall be paid for by the Purchaser.

INSURANCE REQUIREMENTS

Control system design and components included are usually acceptable to insurance groups such as Factory Mutual Insurance Association and Factory Insurance Association, however, the Purchaser must obtain actual approval by submittal to their insurance carrier. The Company will assist the Purchaser by furnishing suitable drawings and descriptions. Any changes required to obtain approval will be made, and the price will be increased accordingly.

Guadalupe Banda
Cause No. 97-3790-C

D&E 00543

TAXES.

The prices provided for herein are exclusive of any present or future Federal, State, Municipal or other sales or use tax with respect to the material or equipment or services covered hereby and of any other present or future excise tax upon or measured by the gross receipts from this transaction or any allocated portion thereof or by the gross value of the material or equipment covered hereby. If the COMPANY is required by applicable law or regulation to pay or collect any such tax or taxes on account of this transaction or the material or equipment or services covered hereby, then such amount of tax shall be paid by the PURCHASER in addition to the prices herein provided for.

PERMITS AND APPROVAL OF PLANS AND SPECIFICATIONS REQUIRED BY STATE OR MUNICIPAL REGULATIONS.

It is mutually agreed that where State laws or Municipal ordinances require permits to install equipment covered by this proposal, or the approval of the plans and specifications for this installation, the PURCHASER assumes the responsibility for securing the approval of said plans and specifications from the proper State or Municipal authorities and for any required fees. If any changes are required in the equipment covered by this proposal to meet the approval of said State or municipal authorities, the PURCHASER shall inform the COMPANY of such changes and shall reimburse it for changes actually made to comply with the requirements of said authorities.

TITLE AND RIGHT OF POSSESSION.

The title and right to possession of the property called for and furnished under the terms of this contract, and any replacements thereof or substitutions therefor, and the right to use the same under the patents of the COMPANY, if any, shall remain in the COMPANY until all payments due hereunder, and payments of any judgments thereon, shall have been fully made in cash. The equipment herein specified shall remain the personal property of the COMPANY, notwithstanding the manner of its annexation to realty, until fully paid for in cash, and the PURCHASER agrees to perform all acts which may be necessary to perfect and assure retention of title to the said equipment in the COMPANY.

Any payments made on account of the purchase price shall in case of any default in payment be deemed to be for the use and wear of such equipment. The acceptance of notes (or any renewal thereof) or any security for the purchase price shall not operate as a waiver or transfer of title or right of possession. If any payments due to the COMPANY hereunder shall have been in default for sixty (60) days after the due date, all unpaid installments shall become due and payable, and the COMPANY, in addition to any other remedies then available to it, reserves the right on ten (10) days' notice to the PURCHASER to remove the equipment furnished hereunder, using all reasonable care to avoid damage to the property of the PURCHASER but without liability for any damage resulting therefrom.

LIMITATION OF PROPOSAL.

The price and terms quoted in this proposal are subject to acceptance by the PURCHASER within a period of 15 days from the date hereof, except that the COMPANY shall have the right to withdraw its proposal at any time before formal acceptance by the PURCHASER and approval in writing by an officer of the COMPANY.

EXECUTION OF CONTRACT.

This proposal is made in duplicate and shall become a contract between the PURCHASER and the COMPANY when accepted by the PURCHASER and approved in writing by an executive officer of the COMPANY and when so accepted it shall be binding upon the parties hereto and upon their respective heirs, executors, successors and assigns. When so accepted and approved, it shall be effective for all purposes as of the date of the proposal.

There are no understandings between the parties hereto as to the subject matter of this proposal other than as herein set forth. All previous communications between the parties hereto, either verbal or written, are hereby abrogated and withdrawn and the acceptance of this proposal with the specification

Guadalupe Banda
Cause No. 97-3790-C

ABRASION, EROSION AND CORROSION

To study the effect of abrasion, erosion, corrosion or excessive heat, the Engineering Committee of the Air Moving and Conditioning Association has been investigating and experimenting with plate alloys, materials, coatings and forms of construction. To date no materials or means have been discovered which will effectively and completely resist all such effects. Some materials are better than others. The resistance to such effects, therefore, is one of degree only.

Experience having shown, on the basis of present-day knowledge, that abrasion, erosion, corrosion or deterioration from excessive heat are speculative assumptions of maintenance, it is the policy of the Association to advise buyers of fan equipment that guarantees covering such conditions cannot be made in good faith.

FIELD TEST OF FANS

Research undertaken by the Members of the Association in cooperation with Test Code Committees of the Engineering Societies reveals thus far that no accurate or practical method of testing fans in the field has been developed by means of gas analysis or by use of the Pitot tube or other instruments.

Since the values obtained from field tests vary so widely from actual results, guarantees of the performance of fans can only be made from laboratory tests conducted by the manufacturer in accordance with the "Standard Test Code for Centrifugal and Axial Fans" approved jointly by the Air Moving and Conditioning Association Inc., and the American Society of Heating and Air Conditioning Engineers, with cooperation from Committee No. 10 of the Power Test Code Committee of the American Society of Mechanical Engineers.

In accordance with Paragraph 17 of the "Standard Test Code for Centrifugal and Axial Fans" the performance of fans with wheels larger than 35" in diameter may be calculated from tests made on fans of the same design and similar proportions having a wheel not less than 35" in diameter. For fans having wheels less than 35" in diameter the performance may be calculated from tests made on fans of the same design and similar proportions and having a wheel diameter not greater than the rated size. The manufacturer reserves the right in all cases to test proportional fans as outlined in this paragraph.

(The above is reprinted, with permission, from a publication of Air Moving and Conditioning Association Standards).

D&E 00545

Guadalupe Banda
Cause No. 97-3798-C

and drawings referred to herein constitutes the whole agreement between the parties hereto. The contract cannot be assigned nor may the general conditions be modified except by a duly approved supplementary agreement signed by both parties. Any provisions of a purchase order or specification which may be issued after this Proposal has been accepted by the PURCHASER and which are additions to or in conflict with the provisions of this Proposal shall not be binding on the COMPANY unless duly approved in writing by both parties to the contract.

ARBITRATION.

Any controversy or claim arising out of or relating to this contract or the breach thereof, shall be settled by arbitration, in accordance with the Rules, then obtaining, of the American Arbitration Association, and judgment upon the award rendered may be entered in any court having jurisdiction thereof.

This contract is made in Erie, Pennsylvania.

Respectfully submitted,

UNION IRON WORKS

By_____

THE FOREGOING PROPOSAL IS HEREBY ACCEPTED EFFECTIVE FOR ALL PURPOSES AS OF THE DATE OF THE PROPOSAL.

Executed by the parties this_____day of _____19____

_____
(Purchaser)

By_____

Title_____(SEAL)

APPROVED AS OF ABOVE DATE.

UNION IRON WORKS

By_____(SEAL)

Title_____

D&E 00546

Guadalupe Banda
Cause No. 97-3790-C

Sheet No. 1

UNION IRON WORKS
DIVISION OF RILEY STOKER CORPORATION

Order No. S-90755 Date July 6, 1965

Purchaser Riley Stoker Corp-Worcester, Mass. Purchasers Order 110021-65112

For Southwestern Oil & Refining Co. Corpus Christi, Texas

LIST OF ITEMS FURNISHED BY SUBCONTRACTORS

ITEM	Incl. In Contract	Name of Subcontractor	P. Order No.	Erection by Whom	Erection P. Order	Shipping Date	Ship Where	Ship on Car
Foundations								
Stoker								
Pulverizer								
Gas or Oil Burners								
Econ Fins	Inc.	Peabody						
"Return	Inc.	Kentube						
Fans	Inc.	?						
Motors	Inc.	Sturtevant						
Starters								
Turbines								
Soot Blowers								
Feed Water Regulators								
Instruments								
Controls								
Doors - Boiler								
" - Furnace								
Piping								
Wiring								
Unload and Haul								
Erection								
Brickwork								
Insulation								
Armor								
Bonds								
Insurance								
Services								
Vent Condenser								
Reboiler								
Drum Rolling	Inc.	Titusville						

Remarks concerning above items:-

TOA 7/8/65

D&E 00547

Guadalupe Banda

U. I. W. Order Form 200-9-...

File

UNION IRON WORKS
DIVISION OF RILEY STOKER CORPORATION

Furnish Riley Stoker Corporation
Worcester, Massachusetts

Date September 1, 1965
Contract No. S-90755

For Southwestern Oil & Refining Company
Corpus Christi, Texas

Puchaser's Order No. 110021-65112
Purchaser's Order Date 7-6-65

Ship Via

Shipping Date

Change Order No. 4:

The entire complement of ladders, platforms and walkways onthis contract are to be hot dipped galvanized by shipping one completed when to Hanland and Gregory in Pittsburgh and return to Erie for shipment with the contract shipment..

The Company is also to include on each boiler one (1) weatherproof enclosure with two (2) transformers and high tension harnesses as outlined in A. J. Payne's letter to the Purchaser of August 4, 1965.

T.O. Andrews
T. O. Andrews

TOA:ame

Guadalupe Banda
Cause No. 97-3790-C

D&E 00548

U. I. W. Order Form 200-S-K

File

UNION IRON WORKS
DIVISION OF RILEY STOKER CORPORATION

Furnish Riley Stoker Corporation
Worcester, Mass.

Date July 22, 1965

Contract No. S-90755

For Southwestern Oil & Refining Co.
Corpus Christi, Texas

Puchaser's Order No. 110021-65112

Purchaser's Order Date 7/6/65

Ship Via

Shipping Date

CHANGE ORDER NO. 3

Tubes are to be changed from .095" wall thickness to .105" wall thickness.

No change to manufacturing hours.

7/22

T. C. Schuyler

TCS/km

7/22

Guadalupe Banda
Cause No. 97-3799-C

D&E 00549

U. I. W. Order Form 200-9-[illegible]K

File

UNION IRON WORKS
DIVISION OF RILEY STOKER CORPORATION

Furnish Riley Stoker Corporation — Date July 14, 1965

Worcester, Mass. — Contract No. S-90755

For Southwestern Oil & Refining Co. — Purchaser's Order No. 110021-65112

Corpus Christi, Texas — Purchaser's Order Date 7/6/65

Ship Via ____ — Shipping Date ____

CHANGE ORDER NO. 2

Kindly change all safety and relief valves to Consolidated rather than Crosby. This involves the boiler and superheater safety valves as well as the relief valve on the economizer.

T. O. Andrews
T. O. Andrews

TOA/km

Guadalupe Banda
Cause No. 97-3790-C

D&E 00550

File

U. I. W. Order Form 200-S-A-K

UNION IRON WORKS
DIVISION OF RILEY STOKER CORPORATION

Furnish Riley Stoker Corporation
Worcester, Mass.
For Southwestern Oil & Refining Company
Corpus Christi, Texas
Ship Via

Date July 12, 1965
Contract No. S-90755
Purchaser's Order No. 110021-65112
Purchaser's Order Date 7/6/65
Shipping Date

CHANGE ORDER NO. 1

The Company is to provide, in addition to the base bid equipment, as described in Proposal TA-61765, Revision 1, dated July 9, 1965, the alternates as described I, II, III and IV.

These alternates include split dampers for superheat control, extension of the complement of platforms and ladders to cover the rear drum and economizers, drum end covers and safety valve covers and the additional insulation and lagging for the economizer, the boiler uptake from the boiler to the economizer and the drum end covers. Due to the early shipment of this contract, sandblasting and special preparation as well as special painting will not be required and as a matter of fact, the purchaser has specifically requested that no painting or surface preparation whatsoever be included as they intend accomplishing the sandblasting and surface preparation as well as the painting upon receipt and final installation of the boiler units.

The feedwater temperature has been changed from 300°F to 240°F entering the economizer.

Proposal TA-61765, Revision 1, dated July 9, 1965 includes all of the changes brought about by this revision in the feedwater temperature.

The customer has specifically requested that all welded seams in the boiler casings, economizer casings, ladders, platforms and any weldments exposed to the atmosphere be continuously welded rather than stitch welded. This applies to all seams with the exception of the side panel reinforcing bars which may remain in a stitch welded construction.

Engineering Department is alerted to the request for monthly status reports on drawings as well as the requirement of a drawing schedule immediately after receipt of this file in the Engineering Department.

The shop is alerted to the requirement of monthly status reports also.

Guadalupe Banda
Cause No. 97-3790-C

D&E 00551

3-63 KINNEL

STEAM GENERATING EQUIPMENT

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION
ERIE, PENNSYLVANIA

PROCESS EQUIPMENT

H.E.C.

BOILER SHOP

CUSTOMER'S ORDER No. & DATE

REQUISITION NO.

CONTRACT NO. S-90755

SOLD TO Southwestern Oil & Refining Company
Corpus Christi, Texas

OUR ORDER No. R-46428
DATE 4/19/66

N/C

INVOICE DATE

PREPAID OR COLLECT

DATE SHIPPED

At Once

SHIPPED TO AND DESTINATION

CAR INITIAL & NO.

SHIPPED FROM

F. O. B. ORIGINAL SHIPPING INSTRUCTIONS

SHIPPED VIA

SPECIAL MARKINGS:

TERMS:—Net 30 Days

QUAN. ORDERED	DESCRIPTION	QUAN. SHIPPED	AMOUNT	TOTAL
	Clean up handhole seats as indicated so that handhole plates will seat properly and be tight. Work to be done by Riley Stoker Corporation. Type of boiler: "MH"			

D&E 00552

Guadalupe Banda
Cause No. 97-3790-C

99 CHANNEL

STEAM GENERATING EQUIPMENT

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION
ERIE, PENNSYLVANIA

PROCESS EQUIPMENT

BOILER SHOP

STOMER'S
ER No. & DATE
NUISITION NO.
NTRACT NO. S-90755

OUR ORDER NO. R-46428
DATE 4/19/66

INVOICE DATE

SOLD TO Southwestern Oil & Refining Company
Corpus Christi, Texas

N/C

PREPAID OR COLLECT

DATE SHIPPED

SHIPPED TO AND DESTINATION

At Once

CAR INITIAL & NO.

SHIPPED FROM

SHIPPED VIA

O. B.
GINAL
PPING INSTRUCTIONS

CIAL MARKINGS:

TERMS—Net 30 Days

QUAN. ORDERED	DESCRIPTION	QUAN. SHIPPED	AMOUNT	TOTAL
	Clean up handhole seats as indicated so that handhole plates will seat properly and be tight. Work to be done by Riley Stoker Corporation. Type of boiler: "MH"			

Guadalupe Banda
Cause No. 97-3790-C

D&E 00553

3-65 KIMMEL

STEAM GENERATING EQUIPMENT

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION
ERIE, PENNSYLVANIA

PROCESS EQUIPMENT

PACKING LIST

CUSTOMER'S ORDER No. & DATE: 56026
REQUISITION NO.: Riley P/O 110021-65112-61
CONTRACT NO.: S-90755

OUR ORDER No. S-90755
DATE 3/1/66

INVOICE DATE

SOLD TO: Southwestern Oil & Refining Company
P. O. Drawer 809
Corpus Christi, Texas - 78403

2

PREPAID OR COLLECT: Ppd.

DATE SHIPPED: 3-1-66

SHIPPED TO AND DESTINATION: Same

CAR INITIAL & NO.

F. O. B. ORIGINAL SHIPPING INSTRUCTIONS: Roadway Express - Ppd.

SHIPPED FROM

SHIPPED VIA: Roadway Express

SPECIAL MARKINGS:

TERMS:—NET 30 DAYS

QUAN. ORDERED	DESCRIPTION	QUAN. SHIPPED	GROSS WEIGHT	NET WEIGHT
	1 Box containing:			
4	Sets SG860 Flanged Water Ga. Valves	4		
4	Tubular Glasses ¾" OD x 19½" lg.	4		
8	BG403R - 12 Packing Rings	8		
4	Low Visibility Shields 1-7/8" lg.	4		
4	M0909 Mica protected flat glass insert nipples 3" x 2½" overall 19½"	4		
4	Direct Vision Illum. Assembly consisting of: Waterproof Hoods & Illuminators w/ Vert. Lamps	4		
2	#1 Mirror, Floor Stands	2		
2	Intermediate Mirrors 5-1/8" x 16½"	2		
		445#		
		(1 Box)		

Guadalupe Banda
Cause No. 97-3790-C

D&E 00554

400-6-55-K

UNION IRON WORKS
DIVISION OF RILEY STOKER CORPORATION
ERIE, PA.

SHEET #2 of 2

SHIPPING MEMORANDUM

TO Southwestern Oil & Refining Company
Corpus Christi, Texas

DATE Feb. 25, 1966

OUR ORDER S-90755

YOUR ORDER 56026

VIA NYC-Tol.-NKP-A&S-Dupo-MoPac - Ppd.

CAR NO. NYC-499928
Riley P/O 110021-65112-61

Description	Dwg. No.
1 Bag containing:	
227 - Clips w/ bolts & nuts - for Mitco Grating	
3 Bdls. containing the following galvanized Mitco Grating: -	
2 - 2'-5⅛" x 19'-11⅜"	HTD-5538
2 - 4'-5⅛" x 6'-11⅜"	"
2 - 4'-11½" x 12'-9⅛" In 56 Pcs.	HTD-5538B
2 - 2'-5⅛" x 10'-11½"	"
2 - 4'-5⅛" x 12'-3⅛"	"

NOTE:

Ctn. #2 which was loaded on car No. NEW-98966 (2nd shipment) on 2-15-66 included the following but did not appear on Packing List.

50 ft. - ½" Asb. Rope	BTS-1910
20 lbs. - Eagle 66 Insulating Cement	"

Guadalupe Banda
Cause No. 97-3790-C

D&E 00555

400-6-55-K

UNION IRON WORKS

DIVISION OF RILEY STOKER CORPORATION
ERIE, PA.

SHEET #1 of 5

SHIPPING MEMORANDUM

TO Southwestern Oil & Refining Company
Corpus Christi, Texas

DATE 2-15-66

OUR ORDER S-90755

YOUR ORDER 56026

VIA NYC-Tol.-NKP-A&S-Dupo-MoPac - Ppd.

CAR NO. N&W-98966
Riley P/O 110021-65112-61

	Description	Dwg. No.
	2ND SHIPMENT PARTIAL	
1 Pc	Economizer - set up and marked: -	
	S Nat'l. Bd. 3981 UNION I. W. 23364 WP-725 KHS-7310 1966	
1 Pc	Economizer - set up and marked: -	
	S Nat'l. Bd. 3982 UNION I. W. 23365 WP-725 KHS-7310 1966	
2 Pcs	4" Edward #618 Globe Valves	W-1030&A
2 "	4" " #690 Check "	"
2 "	1½" Consd. #1912-30 GC Relief Valves set @ 725# with packed lever attached	"
2 "	2" Consd. #1811KA Safety Valves set @ 475#	W-1031&A
2 "	2½" " #1811LA " " " @ 480#	"
2 "	1½" " #1811JA " " " @ 450#	"
2 "	3/16" Pl. Gas Ducts - Blr. to Econ. GD-1	HTD-5535
2 "	3/16" " Econ. Hoods EH	HTD-5536
4 "	Knee Braces (2 ea.) KB-1R, KB-1L	HTD-5538C
2 "	" " KB-2	"
4 "	" " KB-3	"
8 "	" " KB-4	"
2 "	" " KB-5	"
10 "	½" x 16" x 2'-6" Support Plates KB-6	"
2 "	Knee Braces KB-7	HTD-5538D
2 "	Front Econ. Beams 14" WF x 13'-3" B-1	HTD-5539A
2 "	Rear " " 14" WF x 13'-3" B-2	"
2 "	Side " " 14" WF x 14'-10½" B-3	"
2 "	" " " 14" WF x 14'-10½" B-4	"
4 "	Econ. Cross Bracing 3" x 3" x 3/8" Angles x 15'-10-3/8" (1 ea.) B-8, B-9	"

Guadalupe Banda
Cause No. 97-3790-C

D&E 00566

UNION IRON WORKS
DIVISION OF RILEY STOKER CORPORATION
ERIE, PA.

SHEET #2 of 5

SHIPPING MEMORANDUM

TO Southwestern Oil & Refining Company
Corpus Christi, Texas

DATE 2-15-66
OUR ORDER S-90755
YOUR ORDER 56026
VIA NYC-Tol.-NKP-A&S-Dupo-MoPac - Ppd.
CAR NO. N&W-98966
Riley P/O 110021-65112-61

	Description	Dwg. No.
4 Pcs	Econ. Cross Bracing 3" x 3" x 3/8" Angles x 16'-9¼" (1 ea.) B-10, B-11	HTD-5539A
2 "	Front Cols. 8" WF x 20'-10" C-1L	HTD-5539B
2 "	" " 8" WF x 20'-10" C-1R	"
2 "	Rear " 8" WF x 20'-10" C-2R	"
2 "	" " 8" WF x 20'-10" C-2L	HTD-5539C
2 "	Rear Beams 8" WF x 13'-3" B-5	"
2 "	R.S. " 8" WF x 14'-10½" B-6	"
1 Drum #1 containing:		
2 -	Edward #848Y Globe Valves ¾"	W-1030&A
2 -	¾" " #848Y " "	"
2 -	Diamond #433 "U" Bolts & Nuts	"
1 -	Consd. Gag for 2" Safety Valve	W-1031&A
1 -	" " " 2½" " "	"
1 -	" " " 1½" " "	"
2 -	½" Scr'd. Ground Joint Union	"
2 -	½"-90° Scr'd. Ells 2000# F.S.	"
2 -	½" Edward #848Y Globe Valves	"
2 lin. ft. of	½" Sch. 80 Smls. Pipe A-106 Gr.B	"
2 " " "	½" " " " " A-106 Gr.B	"
2 -	2"-600# Blind Flgs.	HTD-5523
2 -	1" Pipe Plugs	HTD-5523A
2 -	2" Sch. 80 Pipe 4½" lg.	"
2 -	Drain Assemblies	"
2 -	1" Pipe Plugs	HTD-5523B
2 -	2" Sch. 80 Pipe 4½"	"
2 -	Drain Assemblies	"
1 Drum #2 containing:		
8 -	¾" x 5" Alloy Studs w/ 2 nuts ea.	W-1030&A
16 -	5/8" x 4½" " " w/ 2 " "	W-1031&A
16 -	¾" x 5" Alloy Studs w/ 2 nuts ea.	"
8 -	¾" x 4½" " " w/ 2 " "	"
160 -	Insulating Nail Washers	
16 -	5/8" x 4½" Alloy Studs w/ 2 nuts ea.	HTD-5523
8 -	½" x 1½" Bolts & Nuts	HTD-5532
8 -	½" x 1¾" " " "	HTD-5535
8 -	½" x 1¼" " " "	HTD-5536
68 -	½" x 1¼" " " " (Galvanized)	HTD-5538
64 -	½" x 1¼" " " " "	HTD-5538A
56 -	½" x 1¼" " " " "	HTD-5538B
24 -	½" x 1½" " " " "	"

Guadalupe Banda
Cause No. 97-3790-C

D&E 00557

433-6-65-K

UNION IRON WORKS
DIVISION OF RILEY STOKER CORPORATION
ERIE, PA.

SHIPPING MEMORANDUM

SHEET #4 of 5

TO Southwestern Oil & Refining Company
Corpus Christi, Texas

DATE 2-15-66
OUR ORDER S-90755
YOUR ORDER 56026
VIA NYC-Tol.-NKP-A&S-Dupo-MoPac - Ppd.
CAR NO. N&W-98966
Riley P/O 110021-65112-61

Description			Dwg. No.
1 Bdl. #1 containing:			
2 - 2½" x 2½" x 5/16" Angles 2'-3" lg. Item 88			W-10308A
1 Bdl. #2 containing:			
2 - 2" x 2" x ¼" Angles 2'-7½" Item 73			"
2 - 1½" x 1½" x 3/16" Angles 2'-9½" Item 74			"
1 Bdl. #3 containing:			
6'-0" - ¾" Sch. 80 Smls. Pipe A-106 Gr.B			"
18'-7" - 3/8" " " " " " "			"
1 Drum #3 containing:			
4 - Railing Supports		64-7	HTD-5538-A
4 - Single Socket Tees		10-7 R1 Railing	"
2 - 90° Elbows		15-7	"
2 - 90° Three Socket Tees		25-7	"
10 - 90° Elbows	15-7		"
8 - Railing Supports	64-7		"
4 - Two Socket Crosses	26-7	R-2 Railing	"
2 - 90° Three Socket Tees	25-7		"
8 - Single Socket Tees	10-7		"
4 - Railing Supports		64-7	"
2 - Side Outlet Elbows		20-7 R-3 Railing	"
4 - Single Socket Tees		10-7	"
2 - 90° Elbows		15-7	"
2 - Railing Supports	64-7		"
2 - 90° Elbows	15-7	R-6 Railing	"
6 - Railing Supports		64-7	"
2 - 2 Socket Crosses		26-7 R-4 Railing	"
6 - 90° Elbows		15-7	"
6 - Single Socket Tees		10-7	"
2 - 90° - 3 Socket Tees		25-7	"
6 - 90° Elbows	15-7		"
8 - Single Socket Tees	10-7	R-5 Railing	"
2 - Side Outlet Elbows	20-7		"
8 - Railing Supports	64-7		"
4 - 2 Socket Crosses	26-7		"
2 - 90° Elbows		15-7	HTD-5538-D
4 - Single Socket Tees		10-7 R-7 Railing	"
2 - Side Outlet Elbows		20-7	"
8 - Railing Supports		64-7	"

D&E 00558

Guadalupe Banda
Cause No. 97-3790-C

40 H-6-63-K

UNION IRON WORKS
DIVISION OF RILEY STOKER CORPORATION
ERIE, PA.

SHIPPING MEMORANDUM

SHEET #5 of 5

TO Southwestern Oil & Refining Company
Corpus Christi, Texas

DATE 2-15-66
OUR ORDER S-90755
YOUR ORDER 56926
CAR NO. N&W-98966
Riley P/O 110021-65112-61

VIA NYC-Tol.-NKP-A&S-Dupo-MoPac - PDG.

	Description			Dwg. No.
	Drum #3 continued:			
	4 - 90° Elbows 15-7			HTD-5538-D
	10 - Single Socket Tees 10-7			"
	10 - Railing Supports 64-7	R-8 Railing		"
	4 - 90° Three Socket Tees 25-7			"
	6 - 2 Socket Crosses 26-7			"
	2 - 90° Elbows	15-7		"
	4 - Railing Std. Figs.	62-7	R-9 Railing	"
	2 - 90° 3 Socket Tees	25-7		"
	4 - Single Socket Tees	10-7		"
1 Pc	B.O. Valve & Pipe Assembly consisting of Items 3 of W-1031&A and Items 15,16,17,18,19,20 & 21 of W-1031&A			
2 Pcs	8" Chan. Damper Boxes w/ Dampers & Quadrants			HTD-5543
2 "	Air Ducts AD-1			HTD-5546
4 "	1½" Galv. Fence Pipe 6'-0-7/8" lg.		R-1A	HTD-5538-A
4 "	" " " " 3'-8-5/8" lg.		R-1B	"
4 "	" " " " 4'-10½" lg.		R-2A	"
4 "	" " " " 3'-8-5/8" lg.		R-2B	"
8 "	" " " " 3'-4-5/8" lg.		R-2C	"
2 "	" " " " 2'-2-5/8" lg.		R-2D	"
2 "	" " " " 16" lg.		R-2E	"
4 "	" " " " 3'-6" lg.		R-3A	"
4 "	" " " " 3'-8-5/8" lg.		R-3B	"
2 "	" " " " 3'-8-5/8" lg.		R-6A	"
4 "	" " " " 4'-2-5/8" lg.		R-4A	"
6 "	" " " " 3'-8-5/8" lg.		R-4B	"
2 "	" " " " 2'-2-5/8" lg.		R-4C	"
2 "	" " " " 16" lg.		R-4D	"
4 "	" " " " 4'-0½" lg.		R-4E	"
4 "	" " " " 19'-9½" lg.		R-5A	"
4 "	" " " " 3'-8-5/8" lg.		R-5B	"
4 "	" " " " 2'-2-5/8" lg.		R-5C	"
4 "	" " " " 16" lg.		R-5D	"
8 "	" " " " 3'-8-5/8" lg.		R-7A	HTD-5538-D
4 "	" " " " 10'-9½" lg.		R-8A	"
4 "	" " " " 12'-0½" lg.		R-8B	"
4 "	" " " " 3'-8-5/8" lg.		R-8C	"
6 "	" " " " 16" lg.		R-8D	"
6 "	" " " " 2'-2-5/8" lg.		R-8E	"
4 "	" " " " 13'-3/8" lg.		R-9A	"
4 "	" " " " 3'-4½" lg.		R-9B	"
4 "	Feed Piping Assemblies consisting of Items 57,58,61, 62,63,64 & 65			W-1030A

D&E 00659

4D-6-65-K

UNION IRON WORKS

DIVISION OF RILEY STOKER CORPORATION
ERIE, PA.

SHEET #1 of 1

SHIPPING MEMORANDUM

TO Southwestern Oil & Refining Company
Corpus Christi, Texas

DATE Feb. 11, 1966

OUR ORDER S-90755

YOUR ORDER 56026

VIA NYC-Tol.-NKP-A&S-Dupo-MoPac - P. d.

CAR NO. C&O-216605
Riley P/O 110021-65112-61

	Description	Dwg. No.
	1ST SHIPMENT	PARTIAL
1 Pc	8955 sq. ft. - Type "MH" Boiler - set up and marked:	
	S Nat'l. Bd. 3981 UNION I. W. 23364 WP-475 BHS-8350 WWHS-848 1966	
	Superheater Outlet Header marked: - Nat'l. Bd. 23364 WP-475 SHBS-785 1966	
1 Pc	8" Sch. 80 Superheater Supply Pipe Assembly	HTD-5540A
2 Pcs	#10 Ga Lower Rear Drum Cover Plates	HTD-5537
2 "	" " Front " " "	"
1 Ctn.	#4 containing:	
	34 - 1" x 7½" steel rollers	HTD-1910
1 Pc	B.O. Valve & Pipe Assembly consisting of Items: 1,15,16,17,18,19,20, & 21 of Dwg.	HTD-5531A

Guadalupe Banda
Cause No. 97-3790-C

D&E 00560

Guadalupe Banda
Cause No. 97-3798-C

DR. BY WWB
CK. BY WW
SL = SHIP LOOSE
CONTRACT NAME SOUTHWESTERN OIL & REFINING CO.

UNION IRON WORKS
A DIVISION OF RILEY STOKER CORPORATION

CONTRACT NO. S-90755

PART SCHEMATIC PIPING (CEAR) DATE 9-29-65 REV.

DWG. NO. W-1031 & A THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY 2 UNITS ON CONTRACT

LINE	SL	MARK	USE	DESCRIPTION	W'T.	MATERIAL	REMARKS	COST
1		1	3	1" YARWAY #5925F WEL-				
2				BOND BLR. B.O. VALVES				
3	1	2		2" COND. #1811KA SAFETY VAL.				
4				SET @ 475#, INLET F&D 600#				
5				WITH GAG & SPRING COVER				
6				FOR OUTDOOR USE				
7	1	3		2 1/2" COND. #1811LA SAFETY				
8				VAL. SET @ 480#, INLET F&D				
9				600# / GAG & SPRING COVER				
10				FOR OUTDOOR USE				
11		4	1	3/4" EDWARD #848Y GLOBE				
12				VAL. (BOILER VENT)				
13		5	1	1" HANCOCK #5525F FLO				
14				CONTROL VAL., F&D 600#				
15				(CONT. BLOWOFF)				
16	1	6		8 1/2" ASHCROFT # 1377A STM.				
17				GAGE, RANGE 0-800#, 1/2"				
18				BACK CONN. / 1/2"-1098S				
19				SYPHON				
20		7	1	1 1/2" EDWARD #828 GLOBE				
21				VAL., F&D 600#				
22				(UPPER SUPHTR. DR. & VENT)				
23	1	8		3/4" EDWARD #848Y GLOBE				
24				VAL. (LOWER SUPHTR. DRAIN)				
25	1	9		1 1/2" COND. # 1811JA SAFETY				
26				VAL. SET @ 450#, INLET				
27				F&D 600# / GAG & SPRING				
28				COVER FOR OUTDOOR USE				
				(SUPHTR.)				
		10	1	3/8" EDWARD #848 GLOBE				
				VAL. (STM. SAMP.)				

D&E 00561

Guadalupe Banda
Cause No. 97-3790-C

DR. BY WVB
CK. BY WW
SL = SHIP LOOSE
CONTRACT NAME SOUTHWESTERN OIL & REFINING

UNION IRON WORKS
DIVISION OF RILEY STOKER CORPORATION

CONTRACT NO. J-90755

PART SCHEMATIC PIPING (ESAC) DATE 9-29-65 REV.

DWG. NO. W-1031 E A THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY 2 UNITS ON CONTRACT

LINE	SL	MARK	USE	DESCRIPTION	WT.	MATERIAL	REMARKS	COST
1		23						
2								
3				ITEMS 24-29 (PURGE AIR PIPING)				
4		24	2	2 1/2" SCR. GROUND JOINT UNION				
5				150# MI				
6		25	1	2 1/2" SCR. PIPE CAP. 150# MI				
7		26	51	LIN. FT. 2 1/2" STD. WT. B.I.				
8				PIPE ASTM-A-120				
9		27	4	WEATHERHEAD MALE ELBOW				
10				691 x 8A (8x8) 1/2" TUBE x				
11				1/2" NPT				
12		28	4	WEATHERHEAD MALE CON-				
13				NECTOR 681 x 8A (8 x 8)				
14				1/2" TUBE x 1/2" N.P.T.				
15		29	14	LIN. FT. 1/2" TUBING X.022				
16				WALL				
17		30						
18		31						
19								
20				ITEMS 32-39 (STM. GA. PIPING)				
21		32	1	1" SCR. TEE 2000# FS				
22		33	1	1" SCR. PIPE PLUG 2000# FS				
23		34	1	1" TO 1/2" SCR. BUSH. 2000# FS				
24	1	35		1/2" SCR. GROUND JOINT UNION				
25				2000# FS				
26	1	36		1/2"-90° SCR. ELL. 2000# FS				
27		37	1	1/2" EDWARD #848Y GLOBE				
28				VALVE				
29		38	2	LIN. FT. 1" SCH. 80 SMLS. PIPE				
30				A106, GR-B				
31	1	39	1	LIN. FT. 1/2" SCH. 80 SMLS.				
32				PIPE A106, GR-B				
33								
34								
35								
36								
37								

D&E 00562

SHEET 2 OF 3 SHEETS

Guadalupe Banda
Cause No. 67-3700-C

DR. BY W.W.B.
CK. BY
SL = SHIP LOOSE
CONTRACT NAME SOUTHWEST OIL & REFINING CO.

UNION IRON WORKS
DIVISION OF RILEY STOKER CORPORATION

CONTRACT NO. S-90755

PART SCHEMATIC PIPING DATE 3-23-65 REV.

DWG. NO. W-1-1030 & A THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY 2 UNITS ON CONTRACT

LINE	SL	MARK	USE	DESCRIPTION	WT.	MATERIAL	REMARKS	COST
1		1	1	12" ASHCROFT #1377A STM. GA.,				
2				RANGE 0-800#, 1/2" BACK				
3				CONN. / 1/2" - 10985 SYPHON				
4		2	1	MAG. # W-601-X-TDM WAT.				
5				COL. PER UIW SK-71565 WC				
6				600# DESIGN				
7		3	2	1 1/4" HANCOCK #970W WAT.				
8				COL. SHUTOFF VAL'S. / LOCK				
9		4	2	SETS REL. #SG-860 WAT. GA.				
10				VAL'S. / REL. # FG-909 FLAT				
11				GLASS INSERTS (2) DIRECT				
12				VISION HOODS, (1) FLOOR				
13				STAND & MIRROR, (1) INTER-				
14				MEDIATE MIRROR.				
15		5	1	3/4" EDWARD #848Y GLOBE				
16				VAL. (WAT. COL. DR.)				
17		6	2	3/8" EDWARD # 848Y GLOBE				
18				VAL. (WAT. GA. DR.)				
19		7	1	4" EDWARD #618 GLOBE VAL.,				
20				FYD 600# (FEED)				
21		8	1	4" EDWARD # 690 CHECK VAL.				
22				FYD 600# (FEED)				
23		9	1	1" EDWARD # 4152 GLOBE				
24				VAL. (CHEM. FEED)				
25	1	10		3/4" EDWARD #848Y GLOBE				
26				VAL. (ECON. DR.)				
27	1	11		3/4" EDWARD #848Y GLOBE				
28				VAL. (ECON. VENT)				
29	1	12		1 1/2" COND. #1912-30 GC				
30				RELIEF VAL. SET @ 725#,				
31				INLET FYD 600# / PACKED				
32				LEVER				
33								
34								
35								
36								
37								

D&E 00563

SHEET 1 OF 2 SHEETS

Guadalupe Benda
Cause No. C7-379C-C

DR. BY WVB
CK. BY WW
SL = SHIP LOOSE
CONTRACT NAME SOUTHWESTERN OIL & REFINING CO.

UNION IRON WORKS
A DIVISION OF RILEY STOKER CORPORATION

CONTRACT NO. S-90755

PART SCHEMATIC PIPING DATE 9-23-65 REV.

DWG. NO. W-1030 & A THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY 2 UNITS ON CONTRACT

LINE	SL.	MARK	USE	DESCRIPTION	WT.	MATERIAL	REMARKS	COST
1				(DETAIL "C")				
2		78	1	2"x2"x1/4" ANGEL x 18" LG.				
3		79	1	DIAMOND #407 U-BOLT FOR				
4				1/2" PIPE				
5								
6				(DETAIL "D")				
7		80	1	2"x2"x1/4" ANGLE x 9" LG.				
8		81	1	DIAMOND #432 U-BOLT FOR				
9				2 1/2" PIPE				
10								
11				(DETAIL "E")				
12		82	2	2 1/2"x2 1/2"x5/16" ANGLE x 22 1/8" LG.				
13		83	2	2"x3/8" BAR x 9" LG.				
14		84	4	1 1/2"x3/8" BAR x 2" LG.				
15		85	4	1/2"-13NC x 2 1/2" LG. BOLTS/NUTS				
16								
17				(DETAIL "F")				
18		86	2	2"x3/8" BAR x 2'-0" LG.				
19		87	4	1/4"-20NC x 1" LG. HEX HD MACH				
20				BOLTS/NUTS				
21								
22				(DETAIL "G")				
23	1	88		2 1/2"x2 1/2"x5/16" ANGLE x 2'-3" LG.				
24	1	89		DIAMOND #433 U-BOLT FOR				
25				4" PIPE				
26								
27								
28								
29								
30								
31								
32								
33								
34								
35								
36								

D&E 00564

SHEET OF SHEETS

Guadalupe Banda

DR. BY DHL
CK. BY CRL 1-7-66
SL = SHIP LOOSE
CONTRACT NAME SOUTHWESTERN OIL & REFINING COMPANY

UNION IRON WORKS
A DIVISION OF RILEY STOKER CORPORATION

CONTRACT NO. S-90755

PART DAMPER BOX DATE 12-29-65 REV.

DWG. NO. HTD-5545 THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY -TWO- UNITS ON CONTRACT

LINE	SL	MARK	USE	DESCRIPTION	WT.	MATERIAL	REMARKS	COST
1	1	DB-1		DAMPER BOX				
2		1	2	8" [@ 11.5# x 6'-0"				
3		2	2	8" [@ 11.5# x 4'-0 5/16"				
4		3	2	8" [@ 11.5# x 4'-1 1/16"				
5		4	1	3/16 R. x 9 1/4" x 4'-1 5/8"				
6		5	1	10GA. R. x 5" x 4'-1 5/8"				
7		6	4	2" OD TUBE x 5" - 7 15/16" LG.				
8		7	8	2" STD. PLAIN WASHERS				
9		8	4	1/4" x 2" BAR x 7 15/16"				
10		9	6	1/4" x 2" BAR x 12 5/16"				
11		10	1	1/4" x 5" BAR x 20 11/16"				
12		11	1	1/4" R. x 3 1/2" x 13 3/4"				
13		12	8	10GA. R. x 14" x 4'-0 15/16"				
14		13	1	1/4" x 2" BAR x 13 7/8"				
15		14	4	1" x 1" x 1/16" L x 4'-1 5/8"				
16		17	8	BEARINGS PER SE-411				
17		18	16	1/2" ϕ x 3" LG. BOLTS / NUTS				
18		19	3	1/4" x 2 3/8" x 3 1/2" (SPLIT DIAGONALLY TO MAKE 6 PCS.)				
19		15	8	1/2" ϕ x 1 1/2" CONE HD. RIVETS / WASHERS / COTTER PINS				
20		16	8	1" x 1" x 3/16" L x 1" LG.				
21		24	4	10GA. R. x 2" DIA.				
22		25	2	1/4" R. x 3 1/2" x 11 1/4"				
23		26	2	1/4" R. x 12 1/8" x 16 1/2"				
24		27	2	1/4" R. x 2" x 17"				
25		28	2	1" STD PIPE x 5" LG.				
26		29	4	STD. WASHERS 1/2" ϕ				
27		30	1	1/2" ϕ x 7" LG. BOLT W/ NUT				
28		31	1	1" STD. PIPE x 4'-10 3/8" (FLATTEN BOTH ENDS)				
29		32	1	1/4" R. x 2" x 14"				
30		33	2	18" LENGTH CHAIN				
31		34	2	1/4" ϕ x 1 1/2" LG PIN.				
32	4			1/2" ϕ x 1 1/2" LG BOLTS W/ NUTS				
33		35	4	#10 GA. R x 3" x 3 3/4" (ERECTION CLIPS)				
34			48	4" LG KSM WELDING PINS W/ CLIPS				
35								
36								
37								



D&E 00566

SHEET 1 OF 1 SHEETS

Guadalupe Benda
Cause No. 97-3790-C

DR. BY E.J.K
CK. BY
SL-SHIP LOOSE
CONTRACT NAME SOUTHWESTERN OIL & REFINING CO.

UNION IRON WORKS
A DIVISION OF RILEY STOKER CORPORATION

CONTRACT NO. S-90755

PART ECONOMIZER TUBES DATE 6-14-85 REV.

DWG. NO. HTD-5544 THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY 2 UNITS ON CONTRACT

LINE	SL	MARK	USE	DESCRIPTION	WT.	MATERIAL	REMARKS	COST
1			198	1½" SCH. 40 PIPE x 11'-0", SA. 106				
2				GR. "B" CH-2, W/10'-0½" STL. FINS				
3			180	1½" SCH. 40 PIPE x 10'-5½" SA. 106				
4				GR. "B" CH-2, W/10'-0½" STL. FINS				
5			189	1½" SCH. 40-180° RETURN BENDS				
6				LONG RADIUS - 4½" CTRS.				
7			206	1.600 CHILL RINGS				
8			1	TUBE SHEET $\frac{5}{8}$ x 3'-11¾ x 7'-6$\frac{5}{8}$"				
9			1	TUBE SHEET $\frac{3}{4}$ x 3'-11¾ x 7'-6$\frac{5}{8}$"				
10			195	STEEL COLLARS 3½" O.D. x 1$\frac{31}{32}$ I.D. x 2				
11								
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14								
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36								
37								

D&E 00567

SHEET 1 OF 2 SHEETS

Guadalupe Banda
Cause No. 97-3798-C
File

DR. BY EK
CK. BY KPH
SL = SHIP LOOSE
CONTRACT NAME SOUTHWESTERN Oil & Refining Co.

UNION IRON WORKS
A DIVISION OF RILEY STOKER CORPORATION

CONTRACT NO. 5-90755

PART SUPERHEATER TUBES DATE 10-4-65 REV.

DWG. NO. HTD 5541 THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY TWO UNITS ON CONTRACT

LINE	SL	MARK	USE	DESCRIPTION	WT.	MATERIAL	REMARKS
1		SH-1	8	2"O.D.X.150 X 14'-10 3/4"			
2		SH-2		X 13'-9 1/4"			
3		SH-3		X 13'-1 1/8"			
4		SH-4		X 12'-7 1/4"			
5		SH-5		X 12'-6 13/16"			
6		SH-6		X 12'-7 1/4"			
7		SH-7		2"O.D.X.150 X 13'-8 7/8"			
8							
9							
10							
11							
12							
13							
14							
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37							

D&E 00568

Guadalupe Benda
Cause No. 97-3798-C

DR. BY [illegible]
CK. BY [illegible]
SHIP LOOSE
CONTRACT NAME [illegible]

UNION IRON WORKS
DIVISION OF RILEY STOKER CORPORATION

CONTRACT NO. [illegible]

PART [illegible] DATE 6-23-6 REV.

DWG NO. [illegible] THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY [illegible] UNITS ON CONTRACT

ASSL	MARK	USE	DESCRIPTION	WT.	MATERIAL	REMARKS	COST
1	[illegible]	1	3/4" SCH.80 PIPE x 2'-2"LG SA-335-P22				
2	1 [illegible]	23	3/4" SCH 80 PIPE x 2 1/8"LG SA-106 GR B				
3	1	29	3/4" -3000 SW. TEE.				
4		30	3/4" - 3000# SW. ELL - 90°				
5		31	1/2" [illegible] x 3/4" LG. "304 ST'N ST'L GUIDE				
6		32	1/2" x 3" BAR x 3/4" LG. "304 ST'N ST'L GUIDE				
7		33	2	1/2 DIA. BOLT x 1 3/4" LG. W/ NUT & FLAT WASHER GUIDE			
8							
9							
10							
11							
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35							

D&E 00569

Guadalupe Banda
Cause No. 97-379C-C

DR. BY RS
CK. BY
SL = SHIP LOOSE

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

CONTRACT NAME SOUTHWESTERN OIL & REFINING CO. CONTRACT NO. 590755

PART STRUCTURAL DATE 4/22/65 REV.

DWG. NO. HTD-5539-C THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY TWO UNITS ON CONTRACT

LINE	SL	MARK	USE	DESCRIPTION	WT.	MATERIAL	REMARKS	COST
1								
2	1	C24		REAR COLUMN				
3			1	BWF31 x 20'-10"				
4			1	PL 14 x 1 x 14				
5								
6								
7	1	B5		REAR BEAM				
8			1	BWF 17 x 13'-3"				
9			4	L 4 x 3 x 3/8 x 5½				
10								
11								
12	1	B6		RIGHT SIDE BEAM				
13			1	BWF17 x 14'-10½				
14			4	L 3 x 3 x 3/8 x 5½				
15								
16								
17								
18								
19								
20								
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35								
36								
37								

DO NOT USE

D&E 00570

SHEET 1 OF 1 SHEETS

Guadalupe Banda
Cause No. 97-3790-C

DR. BY
CK. BY
SL : SHIP LOOSE

UNION IRON WORKS
A DIVISION OF RILEY STOKER CORPORATION

CONTRACT NAME Southwestern Oil Refining Co CONTRACT NO. 590755

PART STRUCTURAL DATE 11/22/65 REV.

DWG. NO. UIW 5-C-30-P THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY TWO UNITS ON CONTRACT

LINE	SL	MARK	USE	DESCRIPTION	WT.	MATERIAL	REMARKS	COST
1								
2	1	-1L		FRONT COLUMN				
3			1	BWF 31 x 20:10"				
4			1	PL 14 x 1 x 14				
5								
6								
7	1	-1R		FRONT COLUMN				
8			1	BWF 31 x 20:10"				
9			1	PL 14 x 1 x 14				
10								
11								
12	1	-2R		REAR COLUMN				
13			1	BWF 31 x 20:10				
14			1	PL 14 x 1 x 14				
15								
16								
17	20			1/2" ϕ BOLTS x 1½ W/NUTS (GALVANIZED)				
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								
35								
36								
37								

DO NOT USE

D&E 00571

SHEET 2 OF 2 SHEETS

Guadalupe Banda
Cause No. 97-3798-C

DR. BY RS
CK. BY [illegible]
SL = SHIP LOOSE
CONTRACT NAME Southwestern Oil & Refining Co.

UNION IRON WORKS
DIVISION OF RILEY STOKER CORPORATION

CONTRACT NO. S 90755

PART Structure DATE 4/22/65 REV.

DWG. NO. [illegible] THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY Two UNITS ON CONTRACT

LINE	SL	MARK	USE	DESCRIPTION	W'T.	MATERIAL	REMARKS	COST
1	1	B1		FRONT ECONOMIZER BEAM				
2			1	14 WF 34 × 13'-3				
3			4	L 4 × 3 × 3/8 × 8 1/2				
4								
5	1	B2		REAR ECONOMIZER BEAM				
6			1	14 WF 34 × 13'-3				
7			4	L 4 × 3 × 3/8 × 8 1/2				
8			2	PL 10 × 5/8 × 14				
9								
10	1	B3		SIDE ECONOMIZER BEAM				
11			1	14 WF 34 × 14'-10 1/2				
12			4	L 3 × 3 × 3/8 × 8 1/2				
13								
14	1	B4		SIDE ECONOMIZER BEAM				
15			1	14 WF 34 × 14'-10 1/2				
16			4	L 3 × 3 × 3/8 × 8 1/2				
17			2	PL 10 × 5/8 × 14				
18								
19	1	B8		ECONOMIZER CROSS BRACING				
20	1	B9		ECONOMIZER CROSS BRACING				
21			2	Ls 3 × 3 × 3/8 × 15'-10 3/8				
22			4	Ls 6 × 4 × 1/2 × 5 1/2				
23			1	BAR 3 × 1/2 × 3 (FOR B8 ONLY)				
24								
25	1	B10		ECONOMIZER CROSS BRACING				
26	1	B11		ECONOMIZER CROSS BRACING				
27			2	L 3 × 3 × 3/8 × 16'-9 1/4				
28			4	Ls 5 × 3 1/2 × 3/8 × 5 1/2				
29								
30	1/4			3/4"φ M. BOLTS × 1 3/4 (FIELD)				
31								
32								
33								
34								
35								
36								
37								

D&E 00572

Guadalupe Banda
Cause No. 97-3780-C

DR. BY EB
CK. BY LE
SL = SHIP LOOSE

UNION IRON WORKS
IVISION OF RILEY STOKER CORPORATION

CONTRACT NAME SOUTHWESTERN OIL & REFINING CO CONTRACT NO. 590755

PART RAILING DETAILS DATE 11-22-65 REV.

DWG. NO. NTD 5535-D THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY TWO UNITS ON CONTRACT

LINE	SL	MARK	USE	DESCRIPTION	W'T.	MATERIAL	REMARKS	COST
1		R7		RAILING				
2	4	R7-A		1¼" GALV. PIPE x 3'-8⅝ (BUNDLE)				
3	1	15-7		90° ELBOW (GASCOIGNES KEE KLAMP)				
4	2	10-7		SINGLE SOCKET TEE				
5	1	20-7		SIDE OUTLET ELBOW				
6	2	64-7		RAILING SUPPORT				
7								
8		R8		RAILING				
9	2	T8-A		1¼" GALV. FENCE PIPE x 10'-9¼				
10	2	T8-B		1¼" GALV FENCE PIPE x 12'-0¾				
11	2	T8-C		1¼" GALV FENCE PIPE x 3'-8⅝			BO'L	
12	3	T8-D		1¼" GALV FENCE PIPE x 16"				
13	3	T8-E		1¼ GALV FENCE PIPE x 2'-2⅝				
14	2	15-7		90° ELBOW (GASCOIGNE KEE KLAMP)				
15	5	10-7		SINGLE SOCKET TEE				
16	5	64-7		RAILING SUPPORT				
17	2	25-7		90° THREE SOCKET TEE				
18	3	26-7		2 SOCKET CROSS				
19								
20		R9		RAILING				
21	2	T9-A		1¼ GALVANIZED FENCE PIPE x 13'-3½			BO'L	
22	2	T9-B		1¼ GALVANIZED FENCE PIPE x 3'-4½				
23	1	15-7		90° ELBOW (GASCOIGNES KEE KLAMP)				
24	2	62-7		RAILIND ST'D FLG.				
25	1	25-7		90° 3 SOCKET TEE				
26	2	10-7		SINGLE SOCKET TEE (KEE KLAMP)				
27	4			½-13 x 1¼ LG BOLTS (GALV.)				
28								
29	1	KB7		KNEE BRACE				
30			1	L 3 x 3 x ⅜ x 3'-7 15/16"				
31			1	PL 8 x ¼ x 9¼				
32			1	PL 6 x ¼ x 9¼				
33								
34								
35								
36								
37								

DO NOT USE

D&E 00573

SHEET 1 OF 1 SHEETS

Guadalupe Banda
Cause No. 97-3798-C

DR. BY [illegible]
CK. BY [illegible]
SL = SHIP LOOSE
CONTRACT NAME [illegible]

UNION IRON WORKS
DIVISION OF RILEY STOKER CORPORATIO.

CONTRACT NO. S 90755

PART [illegible] DATE 11/23/65 REV.

DWG. NO. [illegible] THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY TWO UNITS ON CONTRACT.

LINE	SL	MARK	USE	DESCRIPTION	W'T.	MATERIAL	REMARKS	COST
1								
2	1	L-3		LADDER (GALVANIZED)				
3			2	2½ x ⅜ BAR x 9'-8⅝				
4			6	¾" HR ROD x 16½				
5			1	2½ x ⅜ BAR x 13½				
6			2	1¼ PIPE x 1¾'				
7			1	2½ x ⅜ BAR x 8"				
8	4			½"φ BOLT x 1¼ W/NUT (GALVANIZED)				
9	1	B12		SUPPORT BEAM (GALVANIZED)				
10			1	[illegible] 8.2 x 13'-10½				
11			4	L 3 x 3 x ⅜ x 3"				
12								
13	5			½"φ BOLTS x 1¼ W/NUTS (GALVANIZED)				
14								
15	2	KB1½		KNEE BRACE				
16			2	L 3 x 3 x ¼ x 6'-0¼				
17			4	¼ PL 8 x 8				
18								
19	1	KB2		KNEE BRACE				
20			1	L 3 x 3 x ¼ x 6'-8⅝				
21			2	¼ PL x 5½ x 8				
22								
23	2	KB3		KNEE BRACE				
24			2	L 3 x 3 x ¼ x 6'-1				
25			2	PL 5 x ¼ x 8				
26			2	PL 5¼ x ¼ x 8				
27								
28	4	KB4		KNEE BRACE				
29			4	L 3 x 3 x ¼ x 3'-8 9/16				
30			4	PL 8 x ¼ x 9¼				
31			4	PL 5¼ x ¼ x 8				
32								
33								
34								
35								
36								
37								

DO NOT USE

D&E 00574

SHEET 1 OF 2 SHEETS

DR. BY
CK. BY
SL = SHIP LOOSE
CONTRACT NAME

UNION IRON WORKS
DIVISION OF RILEY STOKER CORPORATION

CONTRACT NO. 520755

PART DATE 11/23/65 REV.

DWG. NO. THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY TWO UNITS ON CONTRACT

LINE	SL	MARK	USE	DESCRIPTION	WT.	MATERIAL	REMARKS	COST
1								
2								
3				KNEE BRACE				
4			1	L 3 x 3 x ¼ x 3'-2½				
5			2	PL 5 x ¼ x 9¼				
6								
7								
8				SUPPORT PLATE				
9			5	PL 16 x ¼ x 2'-6"				
10								
11								
12				½" ϕ M. BOLTS x 1½ W/NUTS (GALVANIZED)				
13								
14								
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16								
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DO NOT USE

D&E 00575

Guadelupe Banda
Cause No. 97-3700-C

DR. BY _____
CK. BY _____
SL = SHIP LOOSE

UNION IRON WORKS
DIVISION OF RILEY STOKER CORPORATION

CONTRACT NAME SOUTHWESTERN OIL & REFINING Co. CONTRACT NO. 590755

PART LADDERS & WALKWAYS DATE 11/23/65 REV.

DWG. NO. HTDE538 THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY TWO UNITS ON CONTRACT

LINE	SL	MARK	USE	DESCRIPTION	WT.	MATERIAL	REMARKS	COST
1	1	Unit #1		WALKWAY FRAME (GALVANIZED)				
2			2	6 [@ 8.2 x 12'-10				
3			2	6 [@ 8.2 x 4'-7 1/16				
4			1	L 3 x 3 x 1/4 x 12'-9 5/8				
5			4	L 3 x 3 x 1/4 x 2'-3 9/16				
6			2	L 3 x 3 x 1/4 x 9 1/4				
7			1	3/16 PL x 7 x 6'-7 3/8				
8			2	3/16 PL x 7 x 3'-5 9/16				
9			1	3/16 PL x 7 x 4'-8				
10	1			4'-11 1/2 x 12'-9 3/4 GALV. MITCO GRATING				
11				W/ 3/4 x 1/8 BEARING BARS TYPE 'C'				
12			4	L 3 x 3 x 1/4 x 2'-3 5/8				
13	20			1/2" ϕ BOLTS x 1 1/2 LG. (GALVANIZED)				
14								
15	1	Unit #2		WALKWAY FRAME (GALVANIZED)				
16			2	6" [@ 8.2 x 10'-11 3/4				
17			2	6 [@ 8.2 x 2'-5 5/8				
18			3	L 3 x 3 x 1/4 x 2'-5 5/8				
19			1	3/16" PL x 7 x 10'-11 3/4				
20			1	3/16 PL x 7 x 2'-6 3/16				
21			2	L 3 x 3 x 1/4 x 9 1/4				
22	1			2'-5 3/4 x 10'-11 1/2 GALV. MITCO GRATING				
23				W/ 3/4 x 1/8 BEARING BARS TYPE 'C'				
24	6			1/2" ϕ BOLTS x 1 1/2" W/ NUTS (GALVANIZED)				
25								
26	1	Unit #3		WALKWAY FRAME (GALVANIZED)				
27			1	3/16" PL x 1 1/2 x 3				
28			2	6 [8.2 x 12'-4				
29			1	6 [8.2 x 2'-5 5/8				
30			4	L 3 x 3 x 1/4 x 2'-5 5/8				
31			2	L 3 x 3 x 1/4 x 9 1/4				
32			1	3/16 PL x 7 x 4'-6				
33			1	3/16 PL x 7 x 9'-8				
34	1			4'-5 3/4 x 12'-3 3/4" GALV. MITCO GRATING				
35				W/ 3/4 x 1/8 BEARING BARS (TYPE C)				
36	6			1/2" ϕ BOLTS x 1 1/2" LG W/ NUTS (GALVANIZED)				
37								

D&E 00576

SHEET 1 OF 2 SHEETS

Guadalupe Banda
Cause No. 07-3700-C

DR. BY R
CK. BY
SL = SHIP LOOSE
CONTRACT NAME SOUTHWESTERN OIL REFINING Co

UNION IRON WORKS
VISION OF RILEY STOKER CORPORATION

CONTRACT NO. S20755

PART LADDERS & WALKWAYS DATE 11/23/65 REV.

DWG. NO. 11D5538-B THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY Two UNITS ON CONTRACT

LINE	SL	MARK	USE	DESCRIPTION	WT.	MATERIAL	REMARKS	COST
1								
2	1	L-4		LADDER (GALVANIZED)				
3			2	2½ x ⅜ BAR x 6'-8½				
4			3	¾" ϕ H.R. ST'L ROD x 16½				
5			2	2½ x ⅜ BAR x 17½				
6			2	1¼ PIPE x 1¾" LG				
7	4			½" ϕ BOLT x 1¼ W/NUT (GALVANIZED)				
8								
9								
10	1	L-2		LADDER (GALVANIZED)				
11			2	2½ x ⅜ BAR 12'-11⅝				
12		b1	1	2½ x ¼ BAR x 8'-4⅛				
13		b2	1	2½ x ¼ BAR x 7'-3½				
14			5	1 x ¼ BAR x 4'-7 15/16				
15			9	¾" ϕ H.R ST'L ROD x 16½				
16	4			½" ϕ BOLTS x 1¼ LG W/NUTS (GALVANIZED)				
17			2	1¼" PIPE x 1¾				
18								
19								
20								
21								
22								
23								
24								
25								
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35								
36								
37								

D&E 00577

DR. BY T.S.
CK. BY
SL = SHIP LOOSE

UNION IRON WORKS
DIVISION OF RILEY STOKER CORPORATION

CONTRACT NAME SOUTHWESTERN OIL & REFINING CO CONTRACT NO. 590755

PART PIPING DETAILS DATE 11-22-65 REV.

DWG. NO. HD 553.5-A THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY TWO UNITS ON CONTRACT

LINE	SL	MARK	USE	DESCRIPTION	WT.	MATERIAL	REMARKS	COST
1		R1		RAILING				
2	2	r1-A		1¼ GALVANIZED FENCE PIPE × 6'-0⅜ } B'D'L				
3	2	r1-B		1¼ GALVANIZED FENCE PIPE × 3'-8⅝ }				
4	2	64-7		RAILING SUPPORT (GASCOIGNE KEE KLAMPS)				
5	2	10-7		SINGLE SOCKET TEE				
6	1	15-7		90° ELBOW				
7	1	25-7		90° THREE SOCKETTEE				
8								
9		R2		RAILING				
10	2	r2-A		1¼ GALV. FENCE PIPE × 4'-10¾ }				
11	2	r2-B		× 3'-8⅝				
12	4	r2-C		× 3'-4⅝ } BUNDLE				
13	2	r2-D		× 2'-2⅝				
14	2	r2-E		× 16"				
15	5	15-7		90° ELBOW (GASCOIGNE KEE KLAMP)				
16	4	64-7		RAILING SUPPORT				
17	2	26-7		TWO SOCKET CROSS				
18	1	25-7		90° THREE SOCKET TEE				
19	4	10-7		SINGLE SOCKET TEE				
20								
21		R3		RAILING				
22	2	r3-A		1¼" GALV. FENCE PIPE × 3'-6 }				
23	2	r3-B		1¼" GALV. FENCE PIPE × 3'-8⅝ } B'D'L				
24	2	64-7		RAILING SUPPORT (GASCOIGNE KEE KLAMP)				
25	1	20-7		SIDE OUTLET ELBOW				
26	2	10-7		SINGLE SOCKET TEE				
27	1	15-7		90° ELBOW				
28								
29		R6		RAILING				
30	1	r6-A		1¼" GAL. FENCE PIPE × 3'-8⅝				
31	1	64-7		RAILING SUPPORT (GASCOIGNE KEE KLAMP)				
32	1	15-7		90° ELBOW.				
33								
34	18	"		½" BOLTS × 1¼ W/NUTS (GALVANIZED)				
35								
36								
37								

D&E 00578

SHEET 1 OF 2 SHEETS

Guadalupe Banda
Cause No. 87-3798-C

Guadalupe Banda
Cause No. 97-3790-C

DR. BY
CK. BY
SL = SHIP LOOSE

UNION IRON WORKS
DIVISION OF RILEY STOKER CORPORATI

CONTRACT NAME Southwestern Oil & Refining Co. CONTRACT NO. S90755

PART Railing Details DATE 11/22/65 REV.

DWG. NO. WD5535-A THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY Two UNITS ON CONTRACT

LINE	SL.	MARK	USE	DESCRIPTION	WT.	MATERIAL	REMARKS	COST
1		R4		RAILING				
2	2	R4-A		1¼" GALV FENCE PIPE x 4'-2 5/8				
3	3	R4-B		1¼" GALV FENCE PIPE x 3'-8 5/8				
4	1	R4-C		1¼" GALV FENCE PIPE x 2'-2 5/8			BD'L	
5	1	R4-D		1¼ GALV FENCE PIPE x 16"				
6	2	R4-E		1¼ GALV FENCE PIPE x 4'-0 3/4				
7	3	64-7		RAILING SUPPORT (KEE KLAMP				
8	1	26-7		2 SOCKET CROSS				
9	3	15-7		90° ELBOW				
10	3	10-7		SINGLE SOCKET TEE				
11	1	25-7		90° 3 SOCKET TEE				
12								
13		R5		RAILING				
14	3	15-7		90° ELBOW (GASCOIGNES KEE KLAMP)				
15	4	10-7		SINGLE SOCKET TEE				
16	1	20-7		SIDE OUTLET ELBOW				
17	4	64-7		RAILING SUPPORT				
18	2	26-7		2 SOCKET CROSS				
19	2	R5-A		1¼ GALV FENCE PIPE x 19'-9½				
20	2	R5-B		1¼ GALV FENCE PIPE x 3'-8 5/8				
21	2	R5-C		1¼ GALV FENCE PIPE x 2'-2 5/8				
22	2	R5-D		1¼ GALV FENCE PIPE x 16"				
23								
24								
25	14			½" BOLTS x 1¼ LG W/NUTS (GALVANIZED)				
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DO NOT USE

D&E 00579

SHEET 20 OF 26 SHEETS

Guadalupe Danda
Cause No. 97-3798-C

DR. BY RS
CK. BY
SL = SHIP LOOSE
CONTRACT NAME Confidential Oil & Refining Co.

UNION IRON WORKS
DIVISION OF RILEY STOKER CORPORATION

CONTRACT NO. 5907.55

PART W/ WALKWAYS & LADDERS DATE 11/23/65 REV.

DWG. NO. HTD 3558- THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY TWO UNITS ON CONTRACT

LINE	SL.	MARK	USE	DESCRIPTION	WT.	MATERIAL	REMARKS	COST
1	1	L1		LADDER (GALVANIZED)				
2			2	2 1/2 x 3/8 BAR x 17'-10 1/4"				
3		b1	1	2 1/2 x 1/4 BAR x 7'-7"				
4		b2	2	2 1/2 x 1/4 BAR x 7'-3 1/2"				
5			5	1 x 1/4 BAR x 9'-6 9/16"				
6			2	1 1/4" PIPE x 1 3/4"				
7			12	3/4" ϕ H.R. STEEL ROD x 16 1/2"				
8	2			1/2" ϕ BOLTS x 1 1/4 W/ NUTS (GALVANIZED)				
9								
10	1	L5		LADDER (GALVANIZED)				
11			2	2 1/2 x 3/8 BAR x 17'-10 1/4				
12		b1	1	2 1/2 x 1/4 BAR x 7'-11 1/2				
13		b2	2	2 1/2 x 1/4 BAR x 7'-3 1/2				
14			5	1 x 1/4 BAR x 8'-5 3/16				
15			2	1 1/4 PIPE x 1 3/4				
16			12	3/4" ϕ H.R. STEEL ROD x 16 1/2				
17	2			1/2" ϕ BOLTS x 1 1/4 LG W/ NUTS (GALVANIZED)				
18								
19	1	UNIT #4		WALKWAY FRAME (GALVANIZED)				
20			2	6 C 8.2 x 20'-0				
21			2	6 C 8.2 x 2'-5 3/8				
22			7	3 x 3 x 1/4 L x 2'-5 3/8				
23			2	3 x 3 x 1/4 L x 13 3/16				
24			1	3/16 PL 7 x 2'-6				
25			1	3/16 PL 7 x 20'-0 3/16				
26	1			2'-5 3/4 x 19'-11 3/4" GALV. MITCO GRATING				
27				W/ 3/4 x 1/8 BEARING BARS TYPE "C"				
28	10			1/2" ϕ BOLTS x 1 1/4 W/ NUTS (GALVANIZED)				
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D&E 00580

SHEET 1 OF 2 SHEETS

Guadalupe Banda
Cause No. 97-3798-C

DR. BY [illegible]
CK. BY [illegible]
SL = SHIP LOOSE

UNION IRON WORKS

DIVISION OF RILEY STOKER CORPORATION

CONTRACT NAME SOUTHWESTERN [illegible] REFINING CO CONTRACT NO. 590755

PART LADDERS & WALKWAYS DATE 11/23/65 REV.

DWG. NO. HTD 5539 THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY TWO UNITS ON CONTRACT

LINE	SL	MARK	USE	DESCRIPTION	WT.	MATERIAL	REMARKS	COST
1	1	"S"		WALKWAY FRAME (GALVANIZED)				
2			2	L 8.2 x 7'-0				
3			2	L 8.2 x 4'-1 3/16				
4			1	3 x 3 x 1/8 x 6'-11 5/8				
5			2	3 x 3 x 1/4 x 2'-0 5/8				
6			1	3 x 3 x 1/4 x 2'-5 13/16				
7			2	3 x 3 x 1/4 x 9 1/4				
8			1	3/16 PL x 7 x 4'-6				
9			2	3/16 PL x 7 x 4'-1 7/8				
10	1			4'-5 1/2 x 6'-11 3/4 GALV. MITCO GRATING				
11				W/ 3/4 x 1/8 BEARING BARS TYPE 'C'				
12			2	3 x 3 x 1/4 L x 2'-0 9/16				
13								
14	20			1/2" BOLTS x 1 1/4" LG (GALVANIZED)				
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D&E 00581

SHEET 2 OF 2 SHEETS

DR. BY D.H.L.
CK. BY CRL 1-7-66
SL - SHIP LOOSE

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

CONTRACT NAME SOUTHWESTERN OIL & REFINING COMPANY CONTRACT NO. S-90755

PART ECONOMIZER HOOD DATE 10-27-65 REV.

DWG. NO. HTD-5536 THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY -TWO- UNITS ON CONTRACT

LINE	SL	MARK	USE	DESCRIPTION	WT.	MATERIAL	REMARKS	COST
1	1	EH		ECONOMIZER HOOD				
2		1	1	3/16" PL x 3'-9 1/2" x 10'-1 3/8"				
3		2	1	3/16" PL x 3'-9 1/2" x 10'-1 3/8"				
4		3	1	18" x 18" PL ACCESS DOOR PER SE-19				
5		4	2	1/4" x 3" BAR x 23" LG.				
6		5	2	1/4" x 3" BAR x 22 1/2" LG.				
7		6	1	3/16" PL x 3'-11 3/4" x 5'-0"				
8		7	1	3/16" PL x 3'-11 3/4" x 5'-0"				
9		8	16	LIN. FT. 2 1/2" x 2 1/2" x 5/16" L (STIFFENERS CUT TO SUIT)				
10		9	2	2 1/2" x 2 1/2" x 5/16" L x 10'-6 3/8" LG.				
11		10	2	2 1/2" x 2 1/2" x 5/16" L x 4'-0 1/8" LG.				
12								
13								
14			167	#12 GA x 4" LG. KSM WELDING PINS W/CLIPS				
15	4			1/2" ϕ x 1 1/4" LG. BOLTS				
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D&E 00582

Guadalupe Banda
Cause No. 97-3790-C

SHEET 1 OF 1 SHEETS

DR. BY AGK
CK. BY CKI 10-29-65
SL - SHIP LOOSE
CONTRACT NAME SOUTHWES. RN OIL & REFINING C.

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

CONTRACT NO. S-90755

PART ALONIZED STEEL BOILER BAFFLES DATE 10-25-65 REV.

DWG. NO. HTD-5534 THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY TWO UNITS ON CONTRACT

LINE	SL	MARK	USE	DESCRIPTION	WT.	MATERIAL	REMARKS	COST
1				ALONIZED STL. BOILER BAFFLES				
2		4	1	10GA. PL x 8 7/8" x 18 1/16"				
3		5	1	10 GA. PL x 10 7/8 x 18 1/16"				
4		6	1	10 GA. PL x 9 1/2" x 5'-3 7/8"				
5		7	9	10GA. PL x 9 1/2" x 4'-11 7/8"				
6		8	4	10 GA. PL x 1 3/8" x 2 7/16"				
7		9	4	10 GA. PL x 1 7/8" x 3 1/4"				
8		10	25	10GA. PL x 1/2" x 1"				
9			16	3/8" ϕ x 7" LG U-BOLT W/NUTS EA. TYPE #8				
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SHEET 1 OF 1 SHEETS

Guadalupe Banda
Cause No. 97-3760-C

D&E 00583

D.R. [illegible]
C.C.D. [illegible]
SL = GRIP LOOSE

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

CONTRACT NAME SOUTHWEST [illegible]N OIL & REFINING CO. CONTRACT NO. S-90755

PART [illegible] PLATES DATE 10-21-65 REV.

DWG. NO. STD-5533 THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY TWO UNITS ON CONTRACT

LINE	SL	MARK	USE	DESCRIPTION	WT.	MATERIAL	REMARKS	COST
1				FLOOR PLATES.				
2			2	$\frac{3}{16}$" PL X 7'-7$\frac{5}{8}$" X 12'-0"				
3			1	$\frac{3}{16}$" PL. X 7'-7$\frac{5}{8}$" X 5'-0$\frac{5}{8}$"				
4			10	$\frac{1}{2}$" X 4" BAR X 7'-1$\frac{1}{2}$"				
5			2	$\frac{1}{4}$" X 2" BAR X 6'-8"				
6			3	$\frac{1}{4}$" PL. X 3" X 6" (GUSSET PL)				
7			4	16 GA. PL. X 4" X 6'-8" (EXPAN. JOINT)				
8			1	1$\frac{1}{2}$" HALF COUPLING & PLUG				
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Guadalupe Banda
Cause No. 97-3790-C

D&E 00584

DR. BY
CK. BY
SL – SHIP LOOSE
CONTRACT NAME SOUTHWEST[illegible]N OIL & REFINING CO. CONTRACT NO. S-90755

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

PART [illegible] CASING DATE 10-25-65 REV.

DWG. NO. [illegible] THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY TWO UNITS ON CONTRACT

LINE	SL	MARK	USE	DESCRIPTION	WT.	MATERIAL	REMARKS	COST
1				TOP DRUM CASING				
2		[illegible]	1EA	#12 GA. PL. 16 7/16" x 3'-8 3/8"				
3		TDC[illegible]	1EA	#12 GA. PL. 3'-8 3/8" x 6'-0"				
4		TDC3	1EA	#12 GA. PL. 3'-8 3/8" x 6'-0"				
5		TDC4	1EA	#12 GA. PL. 3'-8 3/8" x 6'-0"				
6		TDC5	1EA	#12 GA. PL. 3'-8 3/8" x 6'-0"				
7		1	2	#12 GA. PL. 1 1/2" x 2'-2 1/4"				
8		2	2	#10 GA. PL. x 14" x 3'-4 1/2"				
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SHEET [illegible] OF [illegible] SHEETS

Guadalupe Barrio
Cause No. 97-3790-C

D&E 00585

DR. BY
CK. BY
SL – SHIP LOOSE
CONTRACT NAME SOUTHWESTERN L & REFINING COMPANY

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

CONTRACT NO. S-90755

PART TOP CASING DATE 10-21-65 REV.

DWG. NO. PTD-5530 THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY TWO UNITS ON CONTRACT

LINE	SL	MARK	USE	DESCRIPTION	WT.	MATERIAL	REMARKS	COST
1				TOP CASING				
2		TC-1	1EA	10 GA. PL. 4'-3" x 4'-9 1/2"				
3		TC-2	1EA	10 GA. PL. 4'-3" x 10'-0"				
4		TC-3	1EA	10 GA. PL. 4'-3" x 10'-0"				
5			23	1/4" x 3" BAR x 4'-3" LG.				
6			5	1/4" x 3" BAR x 21 5/8" LG.				
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D&E 00586

Guadalupe Barrila
Cause No. 07-3790-C

SHEET 1 OF 1 SHEETS

Cause No. 97-3790-C

DR. BY
CK. BY 11-28-65
SL = SHIP LOOSE
CONTRACT NAME SOUTHWEST OIL & REFINING CO. CONTRACT NO. S-807

UNION IRON WORKS
A DIVISION OF RILEY STOKER CORPORATION

PART REAR CASING & FRAMING DATE 10-18-65 REV.

DWG. NO. HTD-5529 THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY TWO UNITS ON CONTRACT

LINE	SL	MARK	USE	DESCRIPTION	WT.	MATERIAL	REMARKS	COST
1				REAR CASING & FRAMING				
2		RC-1	1	10 GA. L x 2'-3 3/4" x 6'-7 15/16"				
3		RC-2	1	10 GA. R x 2'-3 3/4" x 6'-7 15/16"				
4		RC-3	1	10 GA. R x 4'-1 5/8" x 10'-2 1/16"				
5		RC-4	1	10 GA. R x 5'-8" x 10'-2 1/16"				
6		RC-5	1	10 GA. R x 4'-1 5/8" x 10'-2 1/16"				
7		SEAL RING	2	10 GA. R x 2" x 2'-9"				
8		WLD RC-2,3	2	1/4" x 4" BAR x 23 3/8"				
9		WLD RC-2-5	2	1/4" x 4" BAR x 8'-8 3/4"				
10		WLD RC-4	3	1/4" x 4" BAR x 9'-10 1/2"				
11		FRAM	1	8" I @ 18.4# x 8'-2"				
12		FRAM	1	4" I @ 7.7# x 12'-8"				
13		FRAM	1	5" C @ 6.7# x 12'-8"				
14		FRAM	2	3" x 3" x 3/8 L x 10'-10 1/2"				
15		FRAM	2	3" x 2" x 7/16" L x 29'-0 3/8" LG.				
16			2	1/4" x 4" BAR x 9'-10 1/2"				
17			2	2" PIPE x 12" LG. (THD. ONE END)				
18			2	2" PIPE CAP				
19			2	U.I.W. 4" x 5 1/2" VIEWPORT				
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D&E 00587

Guadalupe Banda
Cause No. 97-3798-C

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

CONTRACT NAME SOUTHWESTERN OIL & REFINING Co. CONTRACT NO. S-90755

PART REAR WALL TUBES DATE 10-4-65 REV.

DWG. NO. HTD-5526 THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY TWO UNITS ON CONTRACT

LINE	REQ	MARK	USE	DESCRIPTION	WT.	MATERIAL	REMARKS	COST
1		9	2	2" OD x .105 " WALL x 14'-2 7/16"				
2		10 SL	2	" x " x 14'-0 5/8"				
3		11 SL	2	" x " x 13'-11 3/8"				
4		12 SL	2	" x " x 13'-5 1/4"				
5		13 SL	2	" x " x 13'-0 15/16"				
6		14 SL	2	" x " x 13'-0 3/16"				
7		15	2	" x " x 12'-5 3/8"				
8		16 SL	2	" x " x 12'-5 9/16"				
9		17 SL	2	" x " x 12'-4 15/16"				
10		18 SL	2	" x " x 12'-2 3/8"				
11		19 SL	2	" x " x 12'-2 1/4"				
12		20 SL	2	" x " x 12'-5 3/8"				
13		21	2	" x " x 12'-1 9/16"				
14		22 SL	2	" x " x 12'-6 3/8"				
15		23 SL	2	" x " x 12'-10"				
16		24	2	" x " x 13'-8 11/16"				
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D&E 00588

Form No. BM463

SHEET 1 OF 1 SHEETS

Guadalupe Banda
Cause No. 97-3796-C

DR. BY E.K.
CK. BY KPH
SL = SHIP LOOSE

UNION IRON WORKS
A DIVISION OF RILEY STOKER CORPORATION

CONTRACT NAME Southwestern Oil & Refining Co. CONTRACT NO. S-90755

PART MAIN BANK TUBES DATE 10-4-65 REV.

DWG. NO. HTD. 5525 THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY Two UNITS ON CONTRACT

UK	SL	MARK	USE	DESCRIPTION	WT.	MATERIAL	REMARKS	COST
1				MAIN BANK TUBES				
2		1	56	2" O.D. TUBE x .105 x 20'-1 1/8" SA-178 GR. A				
3		1A	5	x 13'-4 11/16"				
4		2	57	x 12'-9"				
5		3	39	x 12'-8"				
6		4	39	x 12-9 3/8"				
7		5	39	x 13'-1 1/4"				
8		6	39	x 13-7 3/8"				
9		7	39	x 14'-2 1/4"				
10		8	22	x 15'-3 1/16"				
11		8A	44	2" O.D. TUBE x .105 x 15'-6 1/16" SA-178 GR. A				
12		8B	19	2" OD TUBE x .105 x 15'-7 " SA-178 GR. A				
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D&E 00589

Guadalupe Banda
Cause No. 97-3798-C

DR. BY [illegible]
CK. BY [illegible]
SL = SHIP LOOSE
CONTRACT NAME SOUTHWESTERN OIL & REFINING CO CONTRACT NO. [illegible]

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

PART 42" I.D. DRUM DATE 8-24-69 REV.

DWG. NO. HTD 5[illegible] THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY TWO UNITS ON CONTRACT

LINE	SL	MARK	USE	DESCRIPTION	W'T.	MATERIAL	REMARKS	COST
1		26	2	5/8" ⌀ x 9" x 23" LG				
2		27	2	4" x 3" x 3/8" L x 15 1/2" LG				
3		28	2	5/8" DIA. U BOLT x 2'-9" LG W/4 NUTS				
4		29	1	1/4" x 2" BAR x 26'-0" LG (CUT TO SUIT)				
5		30	2	1/2" ⌀ x 2 1/4" x 4" LG				
6		31	1	1/4" x 2" BAR x 4 1/2" LG				
7		32	1	#409 DIAMOND U-BOLT W/NUTS				
8		33	1	1/4" x 2" BAR x 3 1/2" LG				
9		34	1	1/4" x 2" BAR x 8" LG				
10		35	1	3 1/2" x 2 1/2" x 1/4" L x 3 3/4" LG				
11		36	1	4" STD PIPE UNION M.I.				
12		37	1	4" STD PIPE x 6'-3" LG				
13		38	1	#443 DIAMOND U-BOLT				
14		39	1	#10 GA PL x 4 3/4" DIA.				
15		40	1	1" STD PIPE UNION (ST'N ST'L)				
16		41	2	1" STD 90° PIPE ELBOW (ST'N ST'L)				
17		42	1	1" STD PIPE x 7'-4" LG (ST'N ST'L)				
18		43	1	1" STD PIPE CAP (ST'N ST'L)				
19		44	1	1" STD PIPE CAP				
20		45	1	#409 DIAMOND U-BOLT /NUTS				
21		46	1	1" STD PIPE UNION				
22		47	1	1" STD PIPE x 5'-3" LG				
23		48	1	#409 DIAMOND U-BOLT W/NUTS				
24		49	1	1/4" x 2" BAR x 4 1/2" LG				
25		50	1	1" PIPE UNION M.I.				
26		51	2	1" STD 90° PIPE ELBOW M.I.				
27		52	1	1" STD PIPE x 15'-6" LG (CUT TO SUIT)				
28		53	1	1 1/4" STD PIPE UNION M.I.				
29		54	2	1 1/4" STD 90° PIPE ELBOW M.I.				
30		55	1	1 1/4" STD PIPE x 15'-6" LG (CUT TO SUIT)				
31		56	1	#410 DIAMOND U-BOLT W/NUTS				
32		57	1	1/4" x 2" BAR x 4" LG				
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D&E 00590

SHEET [illegible] OF [illegible] SHEETS

Guadalupe Banda
Cause No. 97-3790-C

DR.
CK.
SL
CONTRACT NAME [illegible] OIL & REFINING

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

CONTRACT NO. S-90755

PART 42" ID DRUM DATE [illegible] REV. (1) 12-29-65

DWG. NO. HTD-5523C THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY TWO UNITS ON CONTRACT

LINE	SL	MARK	USE	DESCRIPTION	W'T.	MATERIAL	REMARKS	COST
1		58	1	1/4"x2" BAR x 26'-2" LG				
2		59	27	1/4 x2 1/2" [illegible] 2" LG				
3		60	1	1/8"x10" STAINLESS ST'L PL x 26'-2"				
4		61	1	1" SCH 80 PIPE x 14" LG				
5		62	1	1"-3000# S.W. COUP.				
6		63	1	8"-600# W.N. STEAM OUTLET				
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D&E 00591

SHEET 2 OF 2 SHEETS

Guadalupe Banda
Cause No. 97-3790-C

JRV

UNION IRON WORKS
A DIVISION OF RILEY STOKER CORPORATION
ERIE, PENNSYLVANIA

✓ FILE

SAFETY VALVE CALCULATIONS FOR CONTRACT #S-90755 - SOUTHWESTERN OIL & REF.

OPERATING DATA

		INITIAL	FUTURE
Peak Capacity - Lbs./Hour		125000	
Type of Firing		GAS	
Heating Surface			
Boiler	8265	Times 10 = 82650	Times =
Water Walls	860	Times 16 = 13760	Times =
Minimum Relieving Capacity		96410	
Design Pressure	475#		

Note: Max. Set Pressures - One valve at design pressure - Additional valves 3% above design pressure. Complete range of drum safety valves shall not exceed 10% of highest set pressure of any valve.

	INITIAL			FUTURE		
	Press.	Temp.	Factor	Press.	Temp.	Factor
Drum At Peak Capacity	445	SAT	—			
Superheater At Peak Capacity	425#	600°	.92			
Make of Valves	CONSOLIDATED					

Size	Cat. No.	Orifice	Location	Set	Relieve	Set	Relieve
1½	1811A	J	SUPHTR	450#	25460		
2	1811A	K	DRUM	475#	41859		
2½	1811A	L	DRUM	480#	65576		
Total Relieving Capacity					132895		

Notes: Factors for Heating Surface

	Boiler	Water Walls
Stoker Fired	8	12
Oil, Gas, Pulv. Coal	10	16

If only two valves installed, relieving capacity of smaller valve shall be not less than 50% capacity of larger. Superheater safety valve shall not be credited with more than 25% of aggregate valve capacity required.

Date
By
Checked

ECON. RELIEF VALVE SET @ 725# (ECON DESIGN)

$\frac{125000}{8.33 \times 60} = 250$ G.P.M.

$A = \frac{L_{gm}\sqrt{S_{pgr}}}{27.2\, L_f \sqrt{P}} = \frac{250 \times 1}{27.2 \times 1 \sqrt{725}} = \frac{250}{27.2 \times 2.92}$

USE CONSD. RELIEF VALVE WITH "G" ORIFICE

= 1½" #1912-30 GC

D&E 00592

THE FOLLOWING INFORMATION IS ESSENTIAL FOR COMPLETION OF SETTING PLANS, AND SHALL BE CHECKED FOR ACCURACY. RED INDICATES CHANGE FOR 740°F.W.

1. Number of boilers Two (2) 8265 577 9125

2. Total heating surface in each boiler (8955) Water Walls (860) Conv. Sect. (8095)

3. How is surface measured? Circumferential ( ) Projected in Furnace and circumferential in convection section (x).

4. Type unit MH How supported Bottom (x) Top ( )

5. Size of drums, Upper 42" Upper _____ Upper _____
   Lower 18" Lower 18"

6. Is boiler to be shipped KD ( ) Assembled (x)

7. Setting Height operating floor to Mud drum 1'-10 5/16"

8. Furnace width, inside walls 6'-11 1/4" face to face side wall headers _____

9. Wall thicknesses - Side 2" Front 4" ± 13" Rear 9"
   Bridge _____ Above supporting beams _____
   - Outside surface temperature specified _____

10. Construction of walls and floor
    Front STANDARD MH WITH TANGENT REAR WALL
    Side _____
    Rear _____
    Roof _____
    Floor _____

11. Water walls? Yes (x) No ( )
    Tube diameter 2" Tube gauge .095"
    Tube centerline spacing on side 4 1/8"; rear 3 3/32"; front _____;
    Roof 4 1/8".
    Upper side headers? Yes ( ) No (x)
    Diameter & Thickness of headers on lower sides _____ upper sides _____
    front _____; rear _____.
    Clinker chill tubes required? ( ) 116C
    Special remarks on water walls STD MH SIZE *(115C)

S90755

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Guadalupe Banda
Cause No. 97-3790-C

12. Convection Section — Tube diameter 2" O.D. Tube gauge .095"
Used layout from previous job? Yes (x) No ( ) Which layout? #118 C

13. Casing gauge #10 GA Welded (x) Bolted ( )
Internal design pressure AS REQ'D "W C Inner skin ( )

14. Superheater included? Yes (x) No ( )
Refer here to calculation sheet number or date so can detail
TOA. 6/16/65
Superheater KD ( ) Assembled (x)
Pendant (x) Drainable ( ) 577 16 SECTIONS
Surface required 690 Number of steam passes AS DETERMINED BY ENG DEPT
CS tube spec. SA-178-C Tube dia. 2" Tube gauge .150
Alloy tube spec. NOT REQ Tube dia. Tube gauge
Number of headers TWO (2) Header size 10 3/4" x 3/4"
Steam temp. control NF Type Manufacturer
Special remarks

15. Air Heater included? Yes ( ) No (x)
Manufactured by UIW ( ) Others ( ) If others, specify
If by UIW, refer to calculation sheet number or date so can detail

Air Heater KD ( ) Assembled ( )
Steam Air Heater Manufacturer
Special remarks on air heater

16. Economizer included? Yes (x) No ( )
Refer to calculation sheet number or date so can detail
TOA - 6/16/65
Economizer KD ( ) Assembled (x)
Special remarks on economizer KENTUBE - ~~ISLAND EXACT SIZE~~
~~AS 6-20777~~ 9 DEEP x 10'-0" LONG x 22 ROWS HIGH

17. Soot blowers included? Yes ( ) No (x)
Manufactured by
Soot blowers for boiler ( ) Air Heater ( ) Economizer ( )

18. Firing equipment included? Yes (x) No ( )
Manufacturer PEABODY ENG CORP Type MT-23
Fuel - Coal ( ) NATURAL Gas (x) & REFINERY Oil ( )
Gas pressure in header at boiler front 50 psig 15 PER ADP 7/8
Oil pressure in header at boiler front psig

19. Elevation above sea level of installation S.L. Ft.

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20. Forced Draft Fan? Yes (x) No ( )
Manufacturer STURTEVANT Size #4040 Type AIRFOIL Arrangement # 3
Type of drive: Single motor (x) Dual motor ( ) Motor & Turbine ( )
Motor or motors and/or turbine HP _____ and RPM _____
Special remarks _____

21. Induced Draft Fan? Yes ( ) No (x)
Manufacturer _____ Size _____ Type _____ Arrangement _____
Type of drive: Single motor ( ) Dual motor ( ) Motor & Turbine ( )
Motor or motors and/or turbine HP _____ and RPM _____
Special remarks _____

22. Motors? Yes ( ) No (x) For FD fan ( ) ID Fan ( ) Other equip. _____
Open type ( ) Splash proof ( ) TEFC ( )
Motor bases required? Yes ( ) No ( )

23. Turbine drive included? Yes ( ) No (x) Direct drive ( ) Gear drive ( )
For FD fan ( ) I. D. Fan ( ) Other equip. NOTE - FANS WILL BE TURBINE DRIVEN - DRIVES BY PURCHASER.
Manufacturer _____ Size _____ Model No. _____
Steam at throttle _____ PSIG _____ °F. Back Pressure _____
Turbine bases required? Yes ( ) No ( )

24. Dust Collector included? Yes ( ) No (x)
Manufacturer _____ Size _____
Special remarks _____

25. Feedwater regulator included? Yes ( ) No (x)
Type _____ Size _____
If Flowmatic and no superheater on boiler, do we furnish orifice plate? Yes ( ) No ( )
Orifice flanges? Yes ( ) No ( )

26. Installation: Outdoor (x) Indoor ( )
Firing Front: Outdoor (x) Indoor ( )

27. Water column RH ( ) LH (x)

28. Access Doors RH ( ) LH ( ) Both (x) Rear ( )

29. Manholes RH ( ) LH ( ) Both (x)

30. Location of smoke outlet FRONT.

31. Economizer inlet and outlet RH (x) LH ( )

32. Superheater outlet RH (x) LH ( )

33. Soot Blowers RH ( ) LH ( ) Front ( ) Rear ( ) NF.

34. Feed Nozzle RH ( ) LH ( ) ℄ FRONT DRUM.

35. Feedwater regulator RH (x) LH ( )

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D&E 00595

36. **Current Characteristics:**
Motor circuit 440/3/60 ( ) 220/3/60 ( ) Other _____
Control circuit 220/1/60 ( ) 110/1/60 ( ) Other _____

37. Is structural steel to be furnished? Yes (X) No ( )
Designed for any special load?
Describe fully ECONOMIZER SUPPORT

38. Any interference in boiler room if installed indoors? Yes ( ) No (X)
Describe or furnish drawings. OUTDOOR

39. Maximum continuous load 125,000 Minimum load _____

40. Peak load _____

41. Setting shall be similar to Dwg. No. STD #118 C

42. Special remarks pertaining to setting STD #118 C

TO COMPLETE DETAIL DRAWINGS AND PLACE ORDER
IN SHOP, WE MUST KNOW:

43. Design pressure of boiler 475 Economizer, 525 725 Superheater 475
Has hydrostatic head been provided for YES

44. What Codes affect construction ASME, TEXAS

45. Pressure to set safety valves TO OPERATE @ 425 @ SH OUTLET

46. High or low tensile steel in drums TS-70000 & 60,000

47. Shall drums and tubes be sand blasted and/or pickled NEITHER

48. Shall Apexior be applied in shop or field NEITHER

49. Provide Openings for:

Main steam outlet		Size	SEE PROPOSAL TA-61765 REVI
Continuous blowdown		Size	~~ALTERNATE "A"~~
Bottom blowdown		Size	
Atomizing steam & Vent		Size	
Soot blower steam supply		Size	
Feedwater regulator		Size	
Auxiliary steam outlet		Size	
Other special openings		Size	
		Size	
		Size	
		Size	

S90755

D&E 00596

50. Describe type of nozzles and/or flanges and other openings fully.
FLANGED

51. Drilling of our steel to match work furnished by others
PEABODY

52. Furnace access doors NF Describe THROUGH HINGED BURNER REG

53. Observation ports STD Describe

54. Feed Arrangement Standard (x) Special ( )
Describe

55. Size of stack available NF

56. Location of stack HOOD ONLY ON ECON.

57. Stack Included? Yes ( ) No (x) Guyed ( ) Self-supported ( )
Diameter Height Gauge
Openings Cleanout Door Guy Bands Guy Eyes
Painter's Cable Base Ladder Baffles
One Piece ( ) or in Sections ( ) KD ( ) Assembled ( )
Remarks

58. Gas Ducts - Check those included:

Boiler to Stack	( )	Economizer to Collector	( )
" " Air Heater	( )	Air Heater to I. D. Fan	( )
" " Economizer	(x)	Economizer to I. D. Fan	( )
" " Collector	( )	Collector of I. D. Fan	( )
" " I.D. Fan	( )	I. D. Fan to Stack or Breeching	( )
Air Heater to Collector	( )	Bypass - Describe	

Arranged for Insulation (x)
Arranged for Lining ( )
Double Cased ( ) - Describe

Special remarks:

List Duct sizes if known

Lbs. Gas/Hr. for Design
Gas Velocities(If Specified)

S90755

D&E 00597

59. Air Ducts - Check those included:

F. D. Fan to Air Heater	( )	Air Heater to Windbox	( )
F. D. Fan to Plenum Chamber	( )	Air Heater to Plenum Chamber	( )
F. D. Fan to Windbox	(x)	Bypass - Describe	

Hot Air Ducts arranged for insulation ( )
Hot Air Ducts double cased ( )
Special remarks

List Duct sizes if known NOTE AIR INLET TO WBox BY PEABODY INLETS ON RH SIDE BOTH UNITS.

Lbs./Air/Hr. for design
Air Velocities (if specified

60. Windbox Included? Yes (x) No ( ) PEABODY
To be insulated? Yes ( ) No (x)
Double cased ( ) or arranged for insulation ( )

61. Damper included for: Flue Gas ( ) Type: Multileaf ( ) Slide ( )
Air ( ) Type: Multileaf ( ) Slide ( )

62. Complete description of Fittings: SEE PROPOSAL TA-61765 REV I

	No.	Size	Type	Pressure	Fig. No.	Flanges	Mfgr.
Safety Valves							
Water Column							
Water Gauge							
Gauge Cocks							
Steam Gauge							
Feed Valve							
Feed Check Valve							
Blow-off Valves							
Non-return valve							
Main stop valve							

Brief description of B.O. arrangement, multiple or tandem, etc.

63. Piping

	Extent	Description
Blow-off	VALVES TO BOILER	SEE TA-61765 REV I
Water Column	TO BOILER	"
Steam Gauge	TO BOILER	"
Feed		
Safety Valve Drains		
Water Column Drains	TO HANDLEVEL	"

$90755

D&E 00598

63. Piping - (Contd.)

List data for valves and fittings furnished with piping

If any of the above disagree with Proposal, give reason for change

64. No. of UIW Dwgs. (3) Transparencies ( ) Reqd. for: Preliminary approval (3)
Final approval (3) Distribution ( ) Standard ( )

65. No. of Subcontract Dwgs. (3) Transparencies ( ) Reqd. for: Approval ( )
Distribution (3) Standard ( )

66. No. Instruction Manuals Reqd.
3 Copies to Customer Name SOUTH WESTERN OIL & REFINING Co
Address PORT & SUMMERS PO DRAWER 809, CORPUS CHRISTI, TEX
Attention: MR. HOOKER G HOLDING
1 Copy(s) to Agents or Representatives Location
1 Copy to UIW File
5 Total No. Required

67. Painting

	No. of Shop Coats	Manufacturer	Type
Ducts	1	S-W	STD
Casings	1	"	"
Stack			
Structurals	1	"	"
Dampers			

Special Remarks:

68. Items not mentioned above, including blow-off tanks, special tanks, and other special equipment - brief description:

69. Shipping Information
1. What is delivery date? SHIP #1 JAN 15, 1966, #2 FEB 1, 1966
2. Have shipping clearances been obtained? Yes ( ) No (X) BEING CHECKED
3. What are the detailed shipping instructions?
Prepaid X Collect
Consigned to: SOUTH WESTERN OIL & REFINING CO
CORPUS CHRISTI, TEXAS

Order in which boilers are to be shipped
LH RH #1, 2, 3, etc.

S90755

D&E 00599

FORM W 84 11 63

PURCHASE ORDER

RILEY Stoker Corporation

WORCESTER, MASSACHUSETTS 01601

STEAM GENERATING AND FUEL BURNING EQUIPMENT

VENDOR

Union Iron Works
1550 Cascade Street
Erie, Pennsylvania

65112-61

Acct. Date 9-2-65

P. O. NO. 110021-65112-61

USE COMPLETE NUMBER IN ALL REFERENCES TO THIS ORDER

RECEIVED
AT ERIE
SEP 7 1965
8,9,M,T,W,T 1 2 3,4,5

MARK

SHIP TO: Southwestern Oil & Refining Co. (Your Release)

Shipment Wanted Your Release

VIA

QUANTITY	MATERIAL 00998
	CONFIRMING PHONE CONVERSATION OF 7/6/65 J.F. KYES TO T.O ANL EMS
2	125,000 #/hr "MH" Union S. G. U's. and Accessories
	PRICE: Total lump sum $201,250.00 net f.o.b. shipping points with freight allowed to destination.
	EXEMPT FROM SALES AND USE TAXES - Purchased for Resale or Incorporation into manufactured product.

Guadalupe Banda
Cause No. 97-3790-C

RFS/gaj
lcc: Purchasing
lcc: HW
lcc: F

VENDOR (named above) Please FURNISH in compliance with all terms, conditions (see reverse side) and instructions, the goods and/or services specified herein. ACKNOWLEDGE your acceptance by return mail; FORWARD complete shipping information immediately upon shipment; SHOW P. O. NO. and MARK on ALL CORRESPONDENCE, acknowledgments, letters, invoices, packing lists, shipping papers and all packages.

RILEY STOKER CORPORATION

Assistant Purchasing Agent

P.O. NO. 110021

D&E 00600

PURCHASE ORDER

RECEIVED
AT ERIE
AUG 2[illegible] 1965

SOUTHWESTERN OIL & REFINING COMPANY

CORPUS CHRISTI, TEXAS
P. O. DRAWER 809 ZONE 78403

8,9,10,11,12,[illegible]45
S-90755

RECEIVED
AUG 25 1965

A			
B			✓
C			
D			
I			

Date 24 August 1965

To Riley Stoker Corporation
c/o The Tennant Co.
Suite 1214
500 Jefferson Building
Houston 2, Texas

Deliver To TA ✓

1. Order No. MUST appear on all Invoices, B/L, Cases, Bundles, Packing Lists and Correspondence.
2. Tag all items as indicated.
3. Invoice in TRIPLICATE.
4. Complete Packing Lists must show Order No. and accompany each shipment.

ITEM	QUANTITY	ARTICLES	PRICE
		CHANGE ORDER 56026 UNION CONTRACT S90755 Furnish one (1) weather-proof enclosure with two (2) transformers and the high tension harness, all as described in your letter of August 4, 1965, for each boiler. Total additional price for two (2) boilers $346.00	

Guadalupe Banda
Cause No. 87-3790-C

ORIGINAL ORDER

CONDITIONS

The right is reserved to cancel this order if not filled within the time and in accordance with the terms specified. All material subject to inspection and approval of buyer notwithstanding prior payment to obtain cash discount. Seller must pay all transportation charges both ways on rejected material. No charges allowed for boxing, packing or drayage unless otherwise agreed. Do not invoice material covered by more than one purchase order on any invoice. Separate invoices must be rendered on material covered by each purchase order. The vendor agrees that all requirements of the federal and state laws referring to employment and Labor Standards have been complied with in the production and manufacture of the material called for on this order. The Seller shall have provided Workman's Compensation and Public Liability Insurance and shall hold the Purchaser harmless from and against any and all damages suffered or done to any and all persons or property while engaged on the work covered by this order, in the event that any work is performed under this order. Unless otherwise agreed upon in writing the seller agrees to assume the defense of any suits for infringement of patents brought against the buyer by reason of the use of these goods and to indemnify the buyer against any decree of costs in such suits. If these conditions are not acceptable please advise us upon receipt of the orders, and before you make shipment.

ORDER NO. Change Order 56026

By Hooker H. Harding
Purchasing Agent
Hooker H. Harding

D&E 00601

PURCHASE ORDER

RECEIVED AT ERIE

AUG 30 1965

SOUTHWESTERN OIL & REFINING COMPANY

CORPUS CHRISTI, TEXAS
P. O. DRAWER 809 : ZONE 78403

S-90755

8,9,10,11,12,1,2,3,4,5

Date 25 August 1965

To Riley Stoker Corp.
c/o The Tennant Co.
Suite 1214
500 Jefferson Building
Houston 2, Texas

Deliver To TA

RECEIVED
AUG 26 1965

1. Order No. MUST appear on all Invoices, B/L, Cases, Bundles, Packing Lists and Correspondence.
2. Tag all items as indicated.
3. Invoice in TRIPLICATE.
4. Complete Packing Lists must show Order No. and accompany each shipment.

ITEM	QUANTITY	ARTICLES	PRICE

CHANGE ORDER 56026-2
RILEY CONTRACT 65112-61

1. Change Feedwater temperature from 300°F to 240°F
2. Change all the trim from 300 lb. Std. to 600 lb. Std.
3. Correct painting description to show unit to be shipped unpainted.

Above from your letter of July 12, 1965

4. Increase tube wall thickness from 0.95" to 0.105" wall thickness

Add for two units $1,294.00

5. Change all components of the platforms and ladders system to hot dipped galvanized

Price for change . . . . . $ 457.00

6. Change from Crosby Relief Valves to Consolidated Relief Valves

Above from your letter of July 19, 1965 . . . . . No Charge

Guadalupe Banda
Cause No. C7-8780-C

ORIGINAL ORDER

CONDITIONS

The right is reserved to cancel this order if not filled within the time and in accordance with the terms specified. All material subject to inspection and approval of buyer notwithstanding prior payment to obtain cash discount. Seller must pay all transportation charges both ways on rejected material. No charges allowed for boxing, packing or drayage unless otherwise agreed. Do not invoice material covered by more than one purchase order on any invoice. Separate invoices must be rendered on material covered by each purchase order. The vendor agrees that all requirements of the federal and state laws referring to employment and Labor Standards have been complied with in the production and manufacture of the material called for on this order. The Seller shall have provided Workman's Compensation and Public Liability Insurance and shall hold the Purchaser harmless from and against any and all damages suffered or done to any and all persons or property while engaged on the work covered by this order, in the event that any work is performed under this order. Unless otherwise agreed upon in writing the seller agrees to assume the defense of any suits for infringement of patents brought against the buyer by reason of the use of these goods and to indemnify the buyer against any decree of costs in such suits. If these conditions are not acceptable please advise us upon receipt of the orders, and before you make shipment.

ORDER NO. Change Order 56026-2

By Hooker H. Harding
Purchasing Agent
Hooker H. Harding

D&E 00602

Guadalupe Banda
Cause No. 97-3798-C

S-90755

PURCHASE ORDER

RECEIVED AT [illegible]
JUL 12 1965

SOUTHWESTERN OIL & REFINING COMPANY

CORPUS CHRISTI, TEXAS
P. O. DRAWER 809 - ZONE 78403

8,9,10,11,12,1 2,3,4,5

Date 7 July 1965

RECEIVED
JUL 8 - 1965

To Riley Stoker Corporation
c/o The Tennant Co.
Suite 1214 - 500 Jefferson Bldg.
Hsouton 2, Texas

Deliver To

1. Order No. MUST appear on all Invoices, B/L, Cases, Bundles, Packing Lists and Correspondence.
2. Tag all items as indicated.
3. Invoice in TRIPLICATE.
4. Complete Packing Lists must show Order No. and accompany each shipment.

ITEM	QUANTITY	ARTICLES	PRICE
	2 only	125,000 PPH Union, Type "MH", steam generating units and accessories as described in your Proposal No. TA-61765, your letter of June 21, 1965, and your letter of July 6, 1965.	
		Total firm price for two (2) units	$189,463.00
		Also furnish following alternates:	
		Alternate No. 1 - Split up-take dampers.	1,500.00
		Alternate No. 2 - Additional platforms and ladders .	5,056.00
		Alternate No. 3 - Drum end covers and safety valve covers	788.00
		Alternate No. 4 - Insulation and lagging of surfaces to be completed in your shop . . .	2,346.00
		Total firm price including Alternates, F.O.B. shipping point with rail freight allowed to Corpus Christi, Texas.	$199,153.00
		Shipment: First Unit by January 15, 1966 Second Unit by February 1, 1966	
		Your Quotation TA-61765 and letters of June 21, 1965, and July 6, 1965, become part of this purchase order.	

CONFIRMATION
DO NOT DUPLICAT

CONDITIONS

The right is reserved to cancel this order if not filled within the time and in accordance with the terms specified. All material subject to inspection and approval of buyer notwithstanding prior payment to obtain cash discount. Seller must pay all transportation charges both ways on rejected material. No charges allowed for boxing, packing or drayage unless otherwise agreed. Do not invoice material covered by more than one purchase order. Separate invoices must be rendered on material covered by each purchase order. The vendor agrees that all requirements of the federal and state laws referring to employment and Labor Standards have been complied with in the production and manufacture of the material covered by this order. The Seller shall have provided Workmen's Compensation and Public Liability Insurance and shall hold the Purchaser harmless from any and all damages suffered or done to any and all persons or property while engaged on the work covered by this order, in the event the work is performed under this order. Unless otherwise agreed upon in writing the seller agrees to assume the defense of any suits for infringements, brought against the buyer by reason of the use of these goods and to indemnify the buyer against any decree of costs in such suits. If conditions are not acceptable please advise us upon receipt of the orders, and before you make shipment.

D&E 00603

ORDER NO. 56026

By Hooker H. Harding
Purchasing Agent
Hooker H. Harding

UNION IRON WORKS
A DIVISION OF RILEY STOKER CORP.
ERIE, PA.

Page No.

Office HOUSTON Date 6/18/65

Purchaser SOUTHWESTERN OIL Destination CORPUS CHRISTI, TEXAS

Type of Boiler No. Blrs. TWO(2) Lbs./Hr. 125,000 Size #118C

Furnace: L W H Setting: L W H Drawing No.

Heating Surface Pressure & Temp.: Design 475 Oper. Future

Item No.	Quan.	Description	B. S. Hours	S. S. Hours	Weight	Cost
					*	#
		DRUMS & ACC INC GIRTH BRKT & PLATES			36690	4916
		TUBES 19,018 (2 x .095) @ 2.20* ±3575			41900	6800
		ALONIZED BAFFLE			768	387
		BAFFLE PLATE			290	30
		FRONT CASING & FRONT R			2625	200
		SIDE & TOP CASING			9920	915
		REAR CASING			1875	195
		DRUM CASING			1280	88
		FLOOR PLATE			2660	198
		SMOKE OUTLET			1550	115
		FW REF			9000	507
		RW "			5900	513
		SW & ROOF REF			4900	674
		FLOOR REF			6300	320
		ROOF BAFFLE			900	57
		MISC			500	122
					124058*	#16037
		2%				321
		2394 @ 2.80				6700
		1983 @ 3.30				6540
		411 @ 3.16				1298
		250 @ 6.50				1625
						32521
		+30%				19756
						42277
					-	x2
						84554
		6½% of 61,000				3960
		4¼% of 23,554				1002
					248116	89516
		OUTSIDE ROLL 1242 x 2				2484
						92000

$90755

Guadalupe Banda
Cause No. 97-3790-C

FINAL DESIGN AND CALCULATION BASIS

Job Name SOUTHWESTERN OIL & REFINING CO Designer TOA

Contract No. S-90755 Date 7/6/65

1. Performance Guaranteed for coal - oil - (gas) Firing

2. Manufacturer of Firing Equipment PEABODY ENGINEERING CORP.

3. Fuel Analysis

Coal - Wt. %			Oil - Wt. %	Gas - Vol. %	
Prox.		Ult.			
M		C	C	CH_4	85.00
VM		H_2	H_2	C_2H_6	4.00
FC		S	S	C_3H_8	
A		O_2	O_2	C_4H_{10}	
	100.0	N_2	N_2	C_5H_{12}	
BTU/#(AR)		H_2O	ASH	H_2	8.00
FTA		ASH	100.0		
		100.0	BTU/lb	N_2	3.00
				O_2	
				CO_2	
					100.0

BTU/FT^3(60 °F, 30" Hg) 756

BTU/LB 20,350

4. Included with Steam Generating Unit:

Boiler	2265 (8095) Sq. Ft.		
Water Walls	860 Sq. Ft.		
Superheater	577 (690) Sq. Ft.	-See Calc. Sheet for details	TA - 6/16/65 - 7/8
Air Heater	Sq. Ft.	-See Calc. Sheet for details.	
Economizer	7310 (9950) Sq. Ft.	-See Calc. Sheet for details.	TA - 6/16/65 - 7/8
Furnace Volume	Cu. Ft.		

6/65 RED INDICATES CHANGES DUE TO REVISED F.W. TEMP. [illegible]
SEE TOA. CALCULATIONS - 7/8/65

S90755

Sheet 1 of

D&E 00605

FINAL DESIGN AND CALCULATION BASIS - (Continued)

5. Performance:

			Revised 7/9/65	
Peak Load, M lbs/hr				
Steam, M lbs/hr	62,500	100,000	125,000	
Press. in boiler drum, psig	430	436	445	
Press. at SH outlet, psig	425	425	425	
Temp. steam at SH outlet, °F.	585	595	600	
Temp. feed entering unit, °F.	240	240	(300) 240	
Temp. feed leaving econ., °F.	312	322	(378) 327	
Temp. air entering unit, °F.	80	80	80	
Temp. air leaving air heater, °F.			-	
Temp. gas leaving furnace, °F.	1960	2160	(2260) 2290	4-
Temp. gas to superheater, °F.	1980	2160	(2260) 2290	
Temp. gas to main bank, °F.	1343	1517	(1555) 1627	
Temp. gas leaving boiler, °F.	530	592	(620) 626	
Temp. gas leaving econ., °F.	291	320	(332) 342	
Temp. gas leaving air heater, °F.			-	
CO-2 in furnace, %			-	
CO-2 at boiler exit, %			-	
CO-2 at econ. exit, %			-	
CO-2 at air heater exit, %			-	
Excess air - furnace, %	10.0	10.0	10.0	
Excess air - boiler exit, %	10.0	10.0	10.0	
Gas, Boiler exit, M lbs/hr	68,500	104,600	(130,800) 135,800	
Gas, econ. exit, M lbs/hr	68,500	104,600	(130,800) 135,800	
Gas, air heater exit, M lbs/hr			-	
Air entering unit, M lbs/hr	65,000	104,000	(124,000) 131,600	
Air entering air htr., M lbs/hr			-	
Draft in furnace, "WG				
Draft loss thru S. H., "WG } Draft loss thru boiler, "WG	2.00	5.12	(7.11) 8.00	
Draft loss thru econ, "WG	1.01	2.56	(4.98) 3.74	
Draft loss thru air heater, "WG			-	
Draft loss thru collector, "WG				
Draft loss thru ducts, "WG	.12	.32	.50	
Draft loss, total, "WG				
Air press. loss thru air htr., "WG				
Air press. loss thru ducts, "WG	.09	.22	.35	
Air press. loss in windbox, "WG	.12	.32	.50	
Air press. loss thru stoker, "WG				
Air press. loss thru burner, "WG	.81	2.08	(3.20) 3.25	
Air press. loss, total, "WG	4.15	10.62	(16.64) 16.34	

D&E 00606

590755

FINAL DESIGN AND CALCULATION BASIS - (Continued)

5. Performance - continued

Water press. Loss thru Economizer, Psi	2.5 ~~10.0~~	6.9 ~~[illegible]~~	10.0	
Fuel Burned, lbs/hr	4020	6430	(6800)	8140
Heat Release, BTU/Hr Cu. Ft.	44,300 ~~[illegible]~~	19,[illegible] ~~[illegible]~~	(95,000)	100,500
" " " In FT³	94,400	153,000		192,000
Heat Losses:				
Dry Gas , %	3.70	4.20	(4.74)	4.59
Hydrogen & Moist. in fuel, %	10.81	10.91	(11.05)	11.00
Moist. in Air, %	.10	.11	(.13)	.12
Unburned Combustible %				
Radiation, %	.90	.60	(.45)	.48
Unaccounted for %	1.00	1.00	1.00	
Total Losses, %	16.41	16.82	(17.37)	17.19
Efficiency %	83.59	83.18	(82.63)	82.81

6. Fan Data - Sized at 125,000 Lbs. Steam/Hr.

I.D. Fan Test Block -

_____ Lbs. Gas/Hr At _____ °F At _____ "SP, At _____ Elevation

Tolerances Include _____ % to Capac.
_____ % to S.P.
_____ °F. to Temp.

F.D. Fan Test Block -

151,200 (142,800) Lbs. Air/Hr At 105 °F At (21.60 22.0) "SP, At SL. Elevation

Tolerances Include 15 % to Capac.
32 % to S.P.
25 °F. to Temp.

D&E 00607

S90755

Guadalupe Panda
Cause No. 97-3798-C

STEAM TRIM

Quan.	Size	Description	Make	Fig.	Wt.	Cost
		FEEDWATER REGULATOR				
		Feedwater Regulator				
		F.W. Reg. Shut-off Valve				
		F.W. Reg. Blowdown Valve				
		F.W. Reg. Bypass Valve				
		F.W. Reg. Bypass Valve				
		ECONOMIZER				
1	1 1/2"	Relief Valve	CROSBY	JD	235	235
		Relief Valve				
1	3/4"	Vent Valve	EDWARD	548Y	17	17
1	3/4"	Drain Valve	"	"	17	17
1	3/4	Thermometer & Well	TRERICE	BX-13456	52	52
		SOOT BLOWER				
		Soot Blower				
		Shut-off Valve Sprocket & Ch.				
		Drain Valve				
		Control Valve				
		Piping, Fittings & Misc. Material			120	120
				15%	3740 561	3640 546
		Total for 1 Unit		1500	4301	4186
		Total for Units			8602	8372
		Selling Price:			845 9447	

FINAL TRIM PRICE
7/9/65

$ 3740
368 ADD FOR 600# ED VALVES
4108
×2
8216
821
$ 410
9447

3740
2
7480

S90755

D&E 00608

Guadalupe Banda
Cause No. 97-3790-C

UNION IRON WORKS
A DIVISION OF RILEY STOKER CORP.
ERIE, PA.

Page No.

Office | Date 6/18/65

Purchaser | Destination

Type of Boiler | No. Blrs. | Lbs./Hr. | Size

Furnace: L W H | Setting: L W H | Drawing No.

Heating Surface | Pressure & Temp.: Design | Oper. | Future

Item No.	Quan.	Description	B. S. Hours	S. S. Hours	Weight	Cost
		(FROM REPUBLIC STEEL)				
NO		18 SECT 100 M SA MAT. +2%			9995	1885
		530 @ 2.80				1485
		475 @ 3.30				1568
		55 @ 3.16				174
		60 @ 6.50				390
						5502
		18%			9970	5220
					×2	×2
					5940	10440
		+30%				3132
						13572
		+4 1/4%				576
						$14148
THIS						
		19 SECT 125 M SA			9995	5502
					×2	×2
					19990	11004
		30%				3300
						14304
		4 1/4%				608
						14912
		ECONOMIZERS				
28 HIGH		100 M FROM GULF STATES PAPER			14137	1609
		990 @ 2.80				2770
		750 @ 3.30				2480
NO		240 @ 3.16				758
		NO ENG - DUPLICATE S-90718				0
						7617
		30%				2280
						9897
		4 1/4%				420
						10317
		FIN TUBES			16910	6072
THIS		RETURN BENDS			425	712
					31472	17101
					×2	×2
					62944	$34202
30 HIGH		125 M FROM ABOVE - PROPORTIONED			67500	$36600

S90755

D&E 00609

Guadalupe Banda
Cause No. 97-3798-C

UNION IRON WORKS
A DIVISION OF RILEY STOKER CORP.
ERIE, PA.

Page No.

Office | Date

Purchaser | Destination

Type of Boiler | No. Blrs. | Lbs./Hr. | Size

Furnace: L W H | Setting: L W H | Drawing No.

Heating Surface | Pressure & Temp.: Design | Oper. | Future

Item No.	Quan.	Description	B. S. Hours	S. S. Hours	Weight	Cost
		PRICE ALL PLATFORMS & LADDER			5379	3411
					x2	x2
					10758	6822
		FRONT ONLY LADDER		5	150	10
		CAGE		1	45	4
		PLATFORM		55	402	110
		SUPPORTS		[illegible]	700	100
		[illegible]		4	100	15
				65	1597	239
		[illegible]				387
					1597	626
		[illegible]				186
						812
		[illegible]				35
						847
					x2	x2
					3194	1694
		[illegible]				72
						1766
					10758	6822
					3194	1766
					7564	5056

S90755

D&E 00610

Guadalupe Danda
Cause No. C7-3790-C

Sheet No.

UNION IRON WORKS
DIVISION OF RILEY STOKER CORPORATION

ORDER No. S-90755 DATE 7/6/65
PURCHASER Riley Stoker Corporation Purchasers Order No. 110021-65112
Worcester, Mass. Date 7/5/65
FOR Southwestern Oil & Refining Co. F.O.B. Point Erie, Pa.
AT Corpus Christi, Texas
ROUTING NYC-Tol.-NKP-A&S-Dupo-MoPac CLEARANCES Yes
Ppd.

INFORMATION & INSTRUCTIONS TO SHOP

No. Blrs. Two (2) Size 8955 sq. ft. Heating Surface — Type "MH" 475# WP. ASME & Texas

Assembled Yes Knockdown
Sandblast No Apexior No (In Shop In Field)
Continuous Capacity 125,000 P.P.H. at 425 Prs. 600°F TT Peak
Piping: Inc. Soot Blower Feed Fuel
Wiring: P.W.R. Inc. W.C. Inc. Burner Inc. Erection Tools
Special Inspection By Whom Supervision

Painting (Shop Coats) One (Make & Kind Std. Stack Std. Ducts Std.

Cars Required—No. Two (2) Height 3'4" Length Std. Type Std. Flat
Order of Shipment: #1 Unit - ship Jan. 15, 1966
#2 " - " Feb. 1, 1966

Wanted As Above Promised As Above (Basis no sand blasting or special painting)

SUMMARY OF ITEMS FURNISHED BY UIW
(See attached Bill of Material for details)

FURN BY UIW	PARTS		FURN BY UIW	PARTS	
F	Drums 42" - 18" - 18"			Drum End Covers	
F	Steam Purifier Centrifugal			Damper Box - Smoke Outlet	
F	Tubes - Main Bank 2" x .095"			Airheater SU or KD	
F	- Sidewall - " -			- Tubes	
	- Frontwall			- Frame & Tube Sheet	
	- Bridgewall			- Casing	
	- Clintercoin		F	Economizer SU XXXXX	
	Sidewall Assemblies		F	- Tubes	
F	Superheater and Backstays Std. "MH"		F	- Frames	
	Rear Undercut - Steel		F	Superheater Headers 10¾" OD	
	Front		F	- Casings	
F	Burner, Front XXXXXXXX		F	- Tubes .150	
	Headers - Front			Gate-arch	
	- Rear			- Baffle	
	- Side			- Floor	
	- Bridgewall		F	Tile Baffle Alonized	
F	Casings - Front #10 Ga		F	Tile & Insulation	
F	- Rear -"-			Ducts - Furnish UP or KD	
F	- Side -"-		F	- Gas Duct UP XXXXX	
F	- Top -"-			Boiler, Furnace, Boiler	
	- Bridgewall		F	Casings	
	Hoppers - Ash		F	Fittings	
	- Cinder	OK TOP 7/8/65	F	Ladders & Walkways Front Head only	
	- Plenum			Steam Drum: UP or KD	
	- Sifting			" Supports or Base	
	- Soot			Console	
			F	Economizer Hood	

D&E 00611

Sheet No. 1

UNION IRON WORKS

DIVISION OF RILEY STOKER CORPORATION

File

ORDER No. S-90755 DATE 7/6/65

PURCHASER Riley Stoker Corporation Purchasers Order No. 110021-65112

Worcester, Mass. Date 7/6/65

FOR Southwestern Oil & Refining Co. F.O.B. Point Erie, Pa.

AT Corpus Christi, Texas

ROUTING NYC-Tol.-NKP-A&S-Dupo-MoPac CLEARANCES Yes

Ppd.

INFORMATION & INSTRUCTIONS TO SHOP

No. Blrs. Two (2) Size 8955 sq. ft. Heating Surface — Type "MH" 475# WP. ASME & Texas

Assembled Yes Knockdown

Sandblast No Apexior No (In Shop In Field)

Continuous Capacity 125,000 P.P.H. at 425 P.S.G. 600°F TT Peak

Piping: Inc. Soot Blower Feed Fuel

Wiring: F.W.R. Inc. W.C. Inc. Burner Inc. Erection Tools

Special Inspection By Whom Supervision

Painting (Shop Coats) One (Make & Kind Std. Stack Std. Ducts Std.

Cars Required—No. Two (2) Height 3'4" Length Std. Type Std. Flat

Order of Shipment: #1 Unit - ship Jan. 15, 1966

#2 " - " Feb. 1, 1966

Wanted As Above Promised As Above (Basis no sand blasting or special painting)

SUMMARY OF ITEMS FURNISHED BY UIW

(See attached Bill of Material for details)

FURN BY UIW	PARTS		FURN BY UIW	PARTS	
F	Drums 42" - 18" - 18"			Drum End Covers	
F	Steam Purifier Centrifugal			Damper Box - Smoke Outlet	
F	Tubes - Main Bank 2" x .095"			Airheater SU or KD	
F	- Sidewall - " -			- Tubes	
	- Frontwall			- Frame & Tube Sheet	
	- Bridgewall			- Casing	
	- Clinkerchill		F	Economizer SU XXXXX	
	Sidewall Assemblies		F	- Tubes	
F	Suspension and Backstays Std. "MH"		F	- Frames	
	Rear Undercut - Steel		F	Superheater Headers 10¾" OD	
	Front		F	- Casings	
F	Burner, Front XXXXXXXX		F	- Tubes .150	
	Headers - Front			Plate-Arch	
	- Rear			- Baffle	
	- Side			- Floor	
	- Bridgewall		F	Tile, Baffle Alonized	
F	Casings - Front #10 Ga		F	Tile & Insulation	
F	- Rear -"-			Ducts - Air Bank UP or KD	
F	- Side -"-		F	- Gas Bank UP XXXXX	
F	- Top -"-			Doors, Furnace, Boiler	
	- Bridgewall		F	Castings	
	Hoppers - Ash		F	Fittings	
	- Cinder		F	Ladders & Walkways Front Head Only	
	- Plenum			Steam Built UP or KD	
	- Sifting			" Supports or Base	
	- Soot			Console	
			F	Economizer Hood	

OK TOP 7/8/65

Guadalupe Banda
Cause No. 97-3790-C

D&E 00612

File

CORRESPONDENCE DATA SHEET

Contract Number S-90755

1. CONTRACT NAME (Complete name listed as possible)

Southwestern Oil & Refining Co.
Corpus Christi, Texas

Purchaser's Order No. 110021-65112

UIW Contract No. S-90755
RSC Contract No. 55112-61

2. SEND COPIES OF CORRESPONDENCE TO:

Houston Office - Mr. A. D. Payne

3. SEND ENGINEERING CORRESPONDENCE & DRAWINGS TO:

Southwestern Oil & Refining Co.
Port & Summers
P. O. Drawer 809
Corpus Christi, Texas 78403

Guadalupe Banda
Cause No. 97-3790-C

Attn: Mr. Hooker H. Harding
Purchasing Agent

4. OTHER CORRESPONDENCE PERTAINING TO SHIPPING DATES, TRAFFIC, FIELD CONSTRUCTION AND LIKE SUBJECTS SHOULD BE SENT TO:

Above

5. ALL CORRESPONDENCE PERTAINING TO ADDITIONS, DELETIONS TO CONTRACT OR PRICE CHANGES WILL BE SENT TO SALES OFFICE NAMED BELOW FOR TRANSMITTAL TO CUSTOMER:

Houston

6. NUMBER OF BOILERS Two (2)
TYPE MH
LBS. STEAM/HR. 125,000

10a
T.O.A.

D&E 00613

ALTERNATES

Alternate I - Split Dampers for Superheat Control

The Company shall furnish for each unit, for field mounting by others, one (1) set of boiler outlet dampers of the multiple louvered type. These dampers are of the dual (split uptake) type and each side is complete with operating levers.

These dampers will:

1. Permit the control of the flow of combustion gases over the superheater section and the resultant manual adjustment or automatic control of the superheater outlet temperature at a constant value down to 1/2 load. If automatic control is desired, the controllers and temperature sensing equipment is to be supplied by others.

2. Permit closing of the superheater section to the flow of combustion gases for protection against superheater element overheating during start-up.

Alternate II - Ladders and Platforms

The Company shall furnish and install (where possible) the ladders, cages, platforms on each boiler unit, as shown on Sheets 2a, 3a and 4a enclosed as part of this proposal.

Alternate III - Drum End Covers and Safety Valve Covers

The Company shall furnish and install drum end covers complete with removable access panel for covering the lower front and all rear drum heads for weather protection. Safety valve covers are provided for covering the safety valves for weather protection.

Alternate IV - Insulation and Lagging of Economizer, Uptake to Economizer and Drum End Covers

The Company shall furnish insulation for boiler uptake area including transition to economizer, finish with No. 10 Ga. casing; economizer exterior, finished with No. 10 Ga. casing; insulation inside drum end covers for all lower drum heads and upper rear drum head.

Guadalupe Dardia
Cause No. 97-3700-C

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

STEAM POWER PLANT EQUIPMENT

CHANGE ORDER NO. 1 APPLYING TO PURCHASE ORDER NO. S-90755-67987

Peabody Engineering Corp.
232 Madison Avenue
New York 16, New York

Date August 25, 1965

ITEM	PLEASE CHANGE OUR ORDER AS FOLLOWS AND RETURN SIGNED COPY

Proceed with furnishing one (1) NEMA Cabinet containing two (2) ignition transformers mounted therein for each burner-windbox assembly. Include necessary quantity of 48" long harness leads.

Revise Pricing:

Original Value of Purchase Order	$8,380.00 Net
Extra for ea. W.P. Cabinet Assy. $150 x 2	300.00 "
Revised Value of Purchase Order	$8,680.00 Net

F.O.B. Shipping Point

Balance of order to remain as before.

cc - United Boiler & Engineering
301 West 12th Street
Erie, Pennsylvania

Accepted By _____

Date _____ By _____

UNION IRON WORKS

D&E 00615

Guadalupe Banda
Cause No. 97-3720-C

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

STEAM POWER PLANT EQUIPMENT

Date Issued July 15, 1965 RECEIVING RECORD

Page 1

S-90755 - 67987

Peabody Engineering Corp.
232 Madison Avenue
New York 16, New York

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION	DATE RECEIVED
		Confirming Order	
	2	Peabody Burner Windbox Assemblies approximately 8 ft. 6 In. high x 5 ft. 6 In. wide x 3' 0" deep, fabricated of 1/4" plate and suitably reinforced to support the registers mounted thereon as well as the F.D. fan test block static of 21.6 In. water column. The windbox will be designed to provide for air entry from the F.D. fan on the right hand side.	
		In addition, Peabody will provide the transition section between the side of the windbox and the discharge of the F.D. fan. This section will also be fabricated of 1/4" steel plate and reinforced to withstand F.D. fan T.B. static mentioned above and will extend out to the R.H. side of from the vertical centerline of the registers a total distance of approximately 6' 4" and reduced at this point to conform with the F.D. fan discharge connection. The entire windox assembly shall be suitable for continuous welding to the U.I.W. 3/8" thick front plate and shall be shipped unpainted, to U.I.W. in Erie, Penna. The details of the F.D. fan discharge connection will be forwarded to you as soon as they become available.	
		Tentatively, we anticipate the free openings dimensions of the fan discharge to duplicate those which we forwarded to you on your Job No. 4291 for Continental Oil Company, since we are furnishing the same size and make of F.D. Fan. Therefore, for fabrication purposes, the same final burner windbox assembly dwg. should suffice requiring only changes in customer designation, Job No., U.I.W. Purchase Order No., Etc.	

CAR NO. _____ VIA _____

WEIGHT _____ CHARGES _____

D&E 00616

Guadalupe Banda
Cause No. 97-3788-C

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

STEAM POWER PLANT EQUIPMENT

Date Issued July 15, 1965 RECEIVING RECORD

S-90755 - 67987

Peabody Engineering Corp.
232 Madison Avenue
New York 16, New York

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION	DATE RECEIVED
		Each Assembly is to Encompass:	
		Two (2) - MT23 Forced Draft Registers complete with pressurizing seal ring, gas ring and saddle, diffuser pipe and diffuser, flame scanner adapter, and swing front on each bottom register.	
		Two (2) "FFM" Gas Electric Ignitors.	
		Two (2) Sets Special Rifled "Multi-Directional" refractory furnace throat tile.	
		Ship pressurizing seal rings in advance along with throat tile.	
		Design conditions upon which guarantee is based:	
		Two (2) U.I.W. Type MH Pressure Fired Steam Generators Size 118C, Capacity 125,000 Lbs. of steam per hour continuous, when operating @ 425 Psig and 600°F total steam press. and temp.	
		Feedwater Temp. entering econ. 240°F, elevation sea level, combustion air temp, 80°F, 82.81% efficiency gas firing. Burner Draft loss Guarantee to be 3.75 In. W.C. when gas firing @ the 125,000 Lbs. per hr. steam load. Combustion air flow rate 131,600 Lbs. per hour including 10% excess air @ this firing rate.	
		While actual fuel will vary from 850 to 1200 BTU/SCF, performance calculations are based on average BTU content of 956 BTU/Ft³. Burners are to be drilled for 850 BTU/ SCF Nat. Gas @ 15 Psig at the ring. Specific gravity .58 @ 60°F and 30" Hg.	

CAR NO. _____ VIA _____

WEIGHT _____ CHARGES _____

Guadalupe Pardo
Cause No. 07-3780-C
D&E 00617

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

STEAM POWER PLANT EQUIPMENT

Date Issued July 15, 1965 RECEIVING RECORD

Page 3

S-90755- 67987

Peabody Engineering Corp.
232 Madison Avenue
New York 16, New York

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION	DATE RECEIVED
		Ultimate User:	
		Southwestern Oil & Refining Company Corpus Christi, Texas.	
		Total price net per letter quotation your Agent "United Boiler & Engineering Co. of Erie, Penna. dated 7/6/65 is $8380.00 net f.o.b. shipping points.	
		We will forward copies of setting drawings as soon as they are available.	
		Furnish eight (8) copies of all drawings covering layout dimensions, connections, etc. at once for application and initial approval. Please advise drawing submittal schedule by return mail.	
		After approval, furnish one (1) sepia each drawing for our distribution and use.	
		Furnish eight (8) copies of installation, operating and maintenance instructions, unbound. Furnish spare parts list and itemized prices.	
		Shipment required: Throat Tile & Support Ring - November 12, 1965. Burner - December 10, 1965.	
		cc - United Boiler & Engineering 301 West 12th Street Erie, Pennsylvania	

CAR NO. _____ VIA _____

WEIGHT _____ CHARGES _____

Guadalupe Danda
Cause No. 87-87 SCC

D&E 00618

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

RECEIVED AT AUG - 2 1965

STEAM POWER PLANT EQUIPMENT

8,9,10,11,12,1 2,3,4,5

Date Issued July 15, 1965

Page 1

These Numbers MUST be Specified & Shown on ALL Packages, Cases, Shipping Memorandum, B'S/L, Express Receipts, Invoices, and MUST be referred to in all Correspondence pertaining thereto.

S-90755 - 67987

Peabody Engineering Corp.
232 Madison Avenue
New York 16, New York

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION
		Confirming Order
	2	Peabody Burner Windbox Assemblies approxim tely 8 ft. 6 In. high x 5 ft. 6 In. wide x 3' 0" deep, fabricated of 1/4" plate and suitably reinforced to support the registers mounted thereon as well as the F.D. fan test block static of 21.6 In. water column. The windbox will be designed to provide for air entry from the F.D. fan on the right hand side. In addition, Peabody will provide the transition section between the side of the windbox and the discharge of the F.D. fan. This section will also be fabricated of 1/4" steel plate and reinforced to withstand F.D. fan T.B. static mentioned above and will extend out to the R.H. side of from the vertical centerline of the registers a total distance of approximately 6' 4" and reduced at this point to conform with the F.D. fan discharge connection. The entire windox assembly shall be suitable for continuous welding to the U.I.W. 3/8" thick front plate and shall be shipped unpainted, to U.I.W. in Erie, Penna. The details of the F.D. fan discharge connection will be forwarded to you as soon as they become available. Tentatively, we anticipate the free openings dimensions of the fan discharge to duplicate those which we forwarded to you on your Job No. 4291 for Continental Oil Company, since we are furnishing the same size and make of F.D. Fan. Therefore, for fabrication purposes, the same final burner windbox assembly dwg. should suffice requiring only changes in customer designation, Job No., U.I.W. Purchase Order No., Etc.

ACKNOWLEDGMENT

D&E 00619

THIS ACKNOWLEDGMENT MUST BE RETURNED PROMPTLY WITH FIRM PROMISE DATE & PRICE FOR EACH ITEM SHOWN IN LAST COLUMN.

THIS ORDER IS ACCEPTED SUBJECT TO ALL TERMS & CONDITIONS STIPULATED THEREON.

UNION IRON WORKS

FIRM NAME

BY DATE BY

PURCHASING AGENT

YOUR ORDER NO.

Guadalupe Banda
Cause No. 97-3780-C

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

STEAM POWER PLANT EQUIPMENT

Date Issued July 15, 1965

These Numbers MUST be Specified & Shown on ALL Packages, Cases, Shipping Memorandum, B'S/L, Express Receipts, Invoices, and MUST be referred to in all Correspondence pertaining thereto.

S-90755 - 67987

Peabody Engineering Corp.
232 Madison Avenue
New York 16, New York

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION	
		Each Assembly is to Encompass: Two (2) - MT23 Forced Draft Registers complete with pressurizing seal ring, gas ring and saddle, diffuser pipe and diffuser, flame scanner adapter, and swing front on each bottom register. Two (2) "FPM" Gas Electric Ignitors. Two (2) Sets Special Rifled "Multi-Directional" refractory furnace throat tile. Ship pressurizing seal rings in advance along with throat tile. Design conditions upon which guarantee is based: Two (2) U.I.W. Type MI Pressure Fired Steam Generators Size 118C, Capacity 125,000 Lbs. of steam per hour continuous, when operating @ 425 Psig and 600°F total steam press. and temp. Feedwater Temp. entering econ. 240°F, elevation sea level, combustion air temp. 80°F, 82.81% efficiency gas firing. Burner Draft Loss Guarantee to be 3.75 In. W.C. when gas firing @ the 125,000 Lbs. per hr. steam load. Combustion air flow rate 131,600 Lbs. per hour including 10% excess air @ this firing rate. While actual fuel will vary from 850 to 1200 BTU/SCF, performance calculations are based on average BTU content of 956 BTU/Ft³. Burners are to be drilled for 850 BTU/SCF Nat. Gas @ 15 Psig at the ring. Specific gravity .58 @ 60°F and 30" Hg.	

ACKNOWLEDGMENT

THIS ACKNOWLEDGMENT MUST BE RETURNED PROMPTLY WITH THE PROMISE DATE & PRICE FOR EACH ITEM SHOWN IN LAST COLUMN.

THIS ORDER IS ACCEPTED SUBJECT TO ALL TERMS & CONDITIONS STIPULATED THEREON.

UNION IRON WORKS

FIRM NAME

BY

DATE

BY _____
PURCHASING AGENT

YOUR ORDER NO.

Guadalupe Banda
Cause No. 97-8793-C

D&E 00620

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

STEAM POWER PLANT EQUIPMENT

Date Issued July 15, 1965

Page 3

These Numbers MUST be Specified & Shown on ALL Packages, Cases, Shipping Memorandum, B'S/L, Express Receipts, Invoices, and MUST be referred to in all Correspondence pertaining thereto.

S-90755- 67987

Peabody Engineering Corp.
232 Madison Avenue
New York 16, New York

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION
		Ultimate User: Southwestern Oil & Refining Company Corpus Christi, Texas. Total price net per letter quotation your Agent "United Boiler & Engineering Co. of Erie, Penna. dated 7/6/65 is $8380.00 net f.o.b. shipping points. We will forward copies of setting drawings as soon as they are available. Furnish eight (8) copies of all drawings covering layout dimensions, connections, etc. at once for application and initial approval. Please advise drawing submittal schedule by return mail. After approval, furnish one (1) sepia each drawing for our distribution and use. Furnish eight (8) copies of installation, operating and maintenance instructions, unbound. Furnish spare parts list and itemized prices. Shipment required: Throat Tile & Support Ring - November 12, 1965. Burner - December 10, 1965. cc - United Boiler & Engineering 301 west 12th Street Erie, Pennsylvania

ACKNOWLEDGMENT

Guadalupe Banda
Cause No. 97-3783-C

THIS ACKNOWLEDGMENT MUST BE RETURNED PROMPTLY WITH FIRM PROMISE DATE & PRICE FOR EACH ITEM SHOWN IN LAST COLUMN.

THIS ORDER IS ACCEPTED SUBJECT TO ALL TERMS & CONDITIONS STIPULATED THEREON.

UNION IRON WORKS

Peabody Engineering Corporation
FIRM NAME

R.C.Vroom, Vice President
BY

July 22,1965
DATE

D&E 00621

YOUR ORDER NO. Job No.4349

PURCHASING AGENT

S-90755 RECEIVED AT

AUG -2 1965

8,9,10,11,12,1,2,3,4,5

PEABODY ENGINEERING CORPORATION

PEABODY LIMITED, PEABODY HOUSE, LONDON, S W 1, ENGLAND • PEABODY ENGINEERING CORPORATION OF CANADA LTD. TORONTO

232 MADISON AVENUE, NEW YORK, N.Y. 10016

TEL. MURRAY HILL 3 4100

CABLE ADDRESS "PEBENGCOR"

ERNEST H. PEABODY
CHAIRMAN

ERIC G. PETERSON
PRESIDENT

Peabody Job 4349
Southwestern Oil and Refining Co.
Corpus Christi, Texas

July 22, 1965

Union Iron Works
Erie, Pennsylvania

Attention: Mr. W.S. Waiter

Reference: Purchase Order S-90755-67987
Southwestern Oil

Gentlemen:

We are in receipt of your purchase order S-90755-67987 dated July 15, 1965, covering two (2) Peabody windbox register assemblies using two (2) HT23 with tile and ignitors all in the total amount of EIGHT THOUSAND THREE HUNDRED EIGHTY DOLLARS ($8,380.00) net, F.O.B. shipping points.

Our terms: Net thirty (30) days from date of shipment.

We are giving this order our careful attention and will schedule shipment of the throat tile and support ring for November 12, 1965 and windbox burner assemblies for December 10, 1965.

The above prices are subject to change to those in effect at time of shipment.

We are returning herewith properly executed acknowledgement copy of your purchase order.

D&E 00622

Guadalupe Banda
Cause No. C7-6700-C

Thanking you and assuring you of our desire to cooperate with you at all times, we are,

Very truly yours,

PEABODY ENGINEERING CORPORATION

R.C. Vroom
Vice President

RCV:REG:as

D&E 00623

Guadalupe Banda
Cause No. 97-3793-C

HARBISON-WALKER REFRACTORIES COMPANY
2 Gateway Center, Pittsburgh, Pennsylvania 15222

NOTICE OF SHIPMENT

DATE SHIPPED	SHIPPED FROM
OCT 11, 1965	VANDALIA, MISSOURI

SHIPPED TO
UNION IRON WORKS
ORDER #S-90755-67987
ERIE, PENNSYLVANIA

TRUCKER OR RR ROUTING	PREPAID	COLLECT
C M ROBERTSON MOTOR FRT.	X	

CUSTOMER ORDER NUMBER	REQUISITION NUMBER	CAR OR TRUCK NUMBER
D-16481 JOB ORDER#4349		39155

PIECES OR POUNDS	BRAND AND SIZE / PALLET COUNT AND/OR NO. AND WT. OF CONTAINERS
40	ALAMO M-1 (C-26812-B
40	M-2 (C-26812-H
	IN 4 CRATES

RECEIVED
AT
OCT 13 1965

8,9,10,11 12 1,2,3,4,5

"PEABODY ENGR. CORP"

THIS SHIPMENT COMPLETES ORDER ABOVE.

If, on arrival, this shipment shows any evidence of damage or shortage, call the Carrier's attention to it immediately. Insist on his noting the damage done on the freight bill. If this is done it will assist you very much in securing an allowance from the Carrier.

D&E 00624
Guadalupe Banda
Cause No. C7-87CC-C

S-90755

#24111

PEABODY ENGINEERING CORPORATION

MAIN OFFICE
232 MADISON AVENUE
NEW YORK, N.Y.

FACTORY
STAMFORD
CONN.

NOTICE OF SHIPMENT FROM GLENBROOK, CONN.

TO Union Iron Works
Erie,
Pennsylvania

RECEIVED
AT ERIE
OCT 15 1965
8,9,10,11,12,1,2,3,4,5

DATE OF SHIPMENT Sept. 15, 1965

YOUR ORDER S-90755-67987

OUR ORDER A-7251
4349

VIA Associated

CHARGES
Prepaid

MARKS P.O.#S-90755-67987

			SHIPPED	BALANCE ON ORDER
4	C-14288-F	Tile Support Rings		

Guadalupe Banda
Cause No. 97-3790-C

Value to be included in first billing

D&E 00625

S91755

HARBISON-WALKER REFRACTORIES COMPANY
2 Gateway Center, Pittsburgh, Pennsylvania 15222

NOTICE OF SHIPMENT

DATE SHIPPED: OCT 11, 1965

SHIPPED FROM: VANDALIA, MISSOURI

SHIPPED TO:
UNION IRON WORKS
ORDER #S-90755-67987
ERIE, PENNSYLVANIA

TRUCKER OR RR ROUTING: C M ROBERTSON MOTOR FRT. 3 1965

PREPAID: X

COLLECT:

CUSTOMER ORDER NUMBER: D-36481 JOB ORDER#4349

REQUISITION NUMBER: 39155

CAR OR TRUCK NUMBER:

PIECES OR POUNDS	BRAND AND SIZE / PALLET COUNT AND/OR NO. AND WT. OF CONTAINERS
40	ALAMO M-1 (C-26812-B
40	M-2 (C-26812-H
	IN 4 CRATES
	"PEABODY ENGR. CORP"
	THIS SHIPMENT COMPLETES ORDER ABOVE

Guadalupe Banda
Cause No. 97-3763-C

If, on arrival, this shipment shows any evidence of damage or shortage, call the Carrier's attention to it immediately. Insist on his noting the damage done on the freight bill. If this is done it will assist you very much in securing an allowance from the Carrier.

D&E 00626

A. P. Green Fire Brick Co. 590755

PAGE 1 OF 1

CUSTOMER'S ORDER NO.	REQUISITION NO.	SHIPPERS ORDER NO.
D-36482	39154	51-1181
DATE 6/25/65	XXXXXXXX JOB. NO. 4349	DATE ENTERED 8/27/65

ACK. TO AND INVOICE TO: PEABODY ENGINEERING CORPORATION
39 MAPLE AVENUE
GLENBROOK, CONNECTICUT

CONSIGN TO: UNION IRON WORKS
ERIE, PENNSYLVANIA

Guadalupe Banda
Cause No. 97-3793-C

OTHER INSTRUCTIONS
PEABODY ORDER NO. D-36482, JOB 4349 CUST. ORDER NO. S-90755-67987

CAR NO. AND INITIAL	PRICED F.O.B. MEXICO, MO.	XXXXX COLLECT-PREPAID

ROUTE: TRUCK (REQ) MIDLAND

DATE SHIPPED	SHIPMENT WANTED	APPROX. SHIPPING DATE
10/1/65	10/1/65	10/1/65

QUANTITY	DESCRIPTION		ITEM NO.
40	MEX-RO #4 BASE DWG B-7342-L	8	1
40	MEX-RO #4 NOSE DWG B-7342-L	8	2
	ABOVE TILE WHEN COMBINED WITH OTHER		
	TILE IS TO FORM A 25" THROAT. NOT		
	MADE CAPY TO FLOOR CHECK.		

Shipping Notice & Packing List

The material covered by this PACKING LIST was [illegible] fully loaded and checked for quantities. Tacked on the inside of the car you will find our checking record or car card. May we suggest two things —

(1) That you read the suggestions at the bottom of the car card before unloading and

(2) That you use all care in handling the material both in unloading and storing.

[illegible]

Invoices will follow properly.

A. P. GREEN FIRE BRICK CO.
MEXICO, MISSOURI, U. S. A.

D&E 00627

S-90755

PEABODY ENGINEERING CORPORATION

PEABODY LIMITED PEABODY HOUSE, LONDON S W 1, ENGLAND • PEABODY ENGINEERING CORPORATION OF CANADA LTD., TORONTO, ONTARIO, CANADA

232 MADISON AVENUE, NEW YORK, N[illegible]
TEL MURRAY HILL 9 4100
CABLE ADDRESS PEBENGCOR

RECEIVED
AT ERIE

ERIC G. PETERSON
CHAIRMAN

JOHN DUNN
PRESIDENT

Peabody Job 4349
Southwestern Oil and Refining Company
Corpus Christi, Texas

8,9,10,11,12,1,2,3

November 3, 1965

Union Iron Works
Erie
Pennsylvania

Attention: Mr. W.S. Waiter

Reference: P.O. S-90755-67987
Change Order No. 1

Guadalupe Banda
Cause No. 97-3799-C

Gentlemen:

We are in receipt of your purchase order No. S-90755-67987 dated August 25, 1965 change order No. 1 covering the addition for a weather-proof cabinet assembly in the amount of THREE HUNDRED DOLLARS ($300.00) thereby revising the total contract price to EIGHT THOUSAND SIX HUNDRED EIGHTY DOLLARS ($8,680.00) net, FOB shipping points.

All of the terms and conditions of this order except as herein modified shall remain the same.

We are returning herewith properly executed the acknowledgment copy of your purchase order.

Thanking you and assuring you of our desire to cooperate with you at all times, we are

Yours very truly,

PEABODY ENGINEERING CORPORATION

R.C. Vroom
Vice President

RCV:REG:sm

D&E 00628

S-90756

UNION IRON WORKS
A DIVISION OF RILEY STOKER CORPORATION
ERIE, PENNSYLVANIA

UNION

STEAM GENERATING AND
PROCESS HEATING EQUIPMENT

December 3, 1965

Peabody Engineering Corp.
232 Madison Avenue
New York 16, NewYork

U.I.W. Purchase Order No. S-90755 - 67987
Your No. 4349

Gentlemen:

We are waiting for the material on the subject order. It is most urgent that the requested shipping date be maintained or if this date has gone by, that you ship immediately. Would you please make all of the necessary arrangements to ship the material out of your plant on time.

Thank you very much for your most prompt attention to this matter.

Very truly yours,

UNION IRON WORKS

W. S. Walter
Purchasing Agent

WSW:vmc

* Burner --- December 10, 1965.

Guadalupe Banda
Cause No. 97-3700-C

D&E 00629

90755

PEABODY ENGINEERING CORPORATION

PEABODY LIMITED PEABODY HOUSE, LONDON, S W.1, ENGLAND • PEABODY ENGINEERING CORPORATION OF CANADA LTD., TORONTO ONTARIO, CANADA

GLENBROOK STATION, STAMFORD, CONNECTICUT

TEL DAVIS 4-6771
CABLE ADDRESS "PEBENGCOR"

ERIC G. PETERSON
CHAIRMAN

JOHN DUNN
PRESIDENT

GENERAL OFFICES
232 MADISON AVENUE
NEW YORK, NEW YORK 10016
MURRAY HILL 3-4100

REPLY TO
39 MAPLE TREE AVENUE
GLENBROOK STATION
STAMFORD, CONN. 06906

RECEIVED
AT ERIE

Peabody Job #4349

8,9,10,11,12,1,2,3

4

December 9, 1965

Union Iron Works
Division of Riley Stoker Corporation
Erie, Pennsylvania

Attention: Mr. W. S. Waiter
Purchasing Agent

Reference: YOUR PURCHASE ORDER #S-90755-67987

Gentlemen:

In reference to your letter dated December 3rd, we wish to advise that the equipment required for the above referenced order is presently scheduled for shipment from our Glenbrook, Connecticut Plant, the week ending December 17, 1965. Every effort is being made to see that there are no additional delays in shipping this equipment.

Yours very truly,

PEABODY ENGINEERING CORPORATION

B. G. Gillies
Production Manager

BGG/gn

Guadalupe Banda
Cause No. 97-6700-C

S-90755

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION
ERIE, PENNSYLVANIA

UNION

STEAM GENERATING AND
PROCESS HEATING EQUIPMENT

December 21, 1965

Peabody Engineering Corp.
232 Madison Avenue
New York 16, New York

Our Purchase Order No. S-90755 - 67987
Your Order No. 4349
Date of Order July 15, 1965

Gentlemen:

We require the following information to bring our records up to date:

_____ Please acknowledge.
_____ Drawings required. In your schedule and will be mailed _____.
_____ Transparencies required. Will be mailed _____.
* __X__ Waiting for material. Will be shipped (complete) (partial) on _____.
_____ Please forward shipping papers.
_____ Please forward required insurance certificates.

This data is requested by return mail. Please expedite and advise immediately.

Very truly yours,

UNION IRON WORKS

W.S. Waiter

W.S. Waiter
Purchasing Agent

WSW/gcl

* Burner was required December 10, 1965.

Guadalupe Banda D&E 00631
Cause No. 97-8703-C

RECEIVED
AT ERIE
DEC 30 1965

PEABODY ENGINEERING CORPORATION

PEABODY LIMITED · PEABODY HOUSE, LONDON, S W 1, ENGLAND · PEABODY ENGINEERING CORPORATION OF CANADA LTD., TORONTO, ONTARIO, CANADA

GLENBROOK STATION, STAMFORD, CONNECTICUT

TEL DAVIS 4-6771
CABLE ADDRESS · PEBENGCOR

ERIC G. PETERSON
CHAIRMAN

JOHN DUNN
PRESIDENT

GENERAL OFFICES
232 MADISON AVENUE
NEW YORK, NEW YORK 10016
MU RRAY HILL 3-4100

REPLY TO
39 MAPLE TREE AVENUE
GLENBROOK STATION
STAMFORD, CONN. 06906

December 27, 1965

Your Order 3-90755-57967
Peabody Job No. 4345

Union Iron Works
Erie
Pennsylvania

Attention: Mr. W. S. Walter, Purchasing Agent

Gentlemen:

In reference to your letter dated December 21, 1965, we are pleased to advise that shipment of the equipment required for the above order was made December 21, 1965. This shipment was less two (2) transformers. The transformers are on order and expected in in approximately one week. As soon as they arrive they will be forwarded to you.

If you should require any additional information regarding this order, please do not hesitate to call upon us.

Yours very truly,

PEABODY ENGINEERING CORPORATION

B. G. Gillies
Production Manager

BGG:VHA

Guadalupe Banda D&E 00632
Cause No. 07-3760-C

RECEIVED
AT ERIE
JAN 3 1966
8,9,10,11,12,1,2,3,4,5

#[illegible]

PEABODY ENGINEERING CORPORATION

MAIN OFFICE
232 MADISON AVENUE
NEW YORK, N.Y.

FACTORY
STAMFORD
CONN.

NOTICE OF SHIPMENT FROM ~~GLENBROOK~~ Norwalk, CONN.

TO: UNION IRON WORKS
ERIE, PENNSYLVANIA

DATE OF SHIPMENT: December 21, 1965

YOUR ORDER: S-90755 - 67987

VIA: L. J. GARDELLA

OUR ORDER: A-7235
4349

CHARGES: PREPAID

MARKS: SOUTHWESTERN OIL & REFINING CO.
U.I.W. P.O.#S-90755 - 67897

			SHIPPED	BALANCE ON ORDER
2	C-35902-B	BURNER WINDBOX ARRANGEMENT	2	0
	CONSISTING OF:			
	2 B-55911	WINDBOX	2	0
	4 B-44745-A	TERTIARY AIR REGISTER ASSEMBLY	4	0
	2 B-45398	REGISTER CHASSIS (FIXED)	2	0
	2 B-45397	REGISTER CHASSIS (LEFT HAND)	2	0
	4 D-29770	DIFFUSER PIPE, CAP AND ROD ASSEMBLY	4	0
	4 B-56064-A	[illegible] IGNITOR [illegible] 1443, 1444, [illegible]	4	0
	SHIPPED LOOSE:			
4	C-[illegible]	[illegible] AND SADDLE ASSEMBLY	4	0
2	C-[illegible]	TRANSFORMER'S ASSEMBLY	0	2
4	E-[illegible]	SPOOL PIECE [illegible] SPOOL (4) [illegible] GASKET FOR 5" FLANGE	4	0
4	E-46990	[illegible]	4	0
4	B-3905-F	DIFFUSER	4	0
32	#6-M 24	Bolts 5/8" x 3" Long	32	0
32	#21-M	Nuts 5/8" - 11 Hex Steel Heavy	32	0

PARTIAL

Guadalupe Banda
Cause No. 67-3798-C

D&E 00633

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PENNSYLVANIA

UNION

STEAM GENERATING AND
PROCESS HEATING EQUIPMENT

January 21, 1966

Peabody Engineering Corp.
232 Madison Avenue
New York 16, New York

Our Purchase Order No. S-90755 - 67987
Your Order No. 4349
Date of Order July 15, 1965

Gentlemen:

We require the following information to bring our records up to date:

_____ Please acknowledge.
_____ Drawings required. In your schedule and will be mailed _____.
_____ Transparencies required. Will be mailed _____.
__X__ Waiting for material. Will be shipped (complete) (partial) on _____.
_____ Please forward shipping papers.
_____ Please forward required insurance certificates.

This data is requested by return mail. Please expedite and advise immediately.

Very truly yours,

UNION IRON WORKS

W.S. Waiter

W.S. Waiter
Purchasing Agent

WSW/gcl

Guadalupe Banda
Cause No. C7-87CC-C

D&E 00634

S-90755

PEABODY ENGINEERING CORPORATION

RECEIVED
DATE
JAN 31 1966

Main Office
232 Madison Avenue
New York, N.Y.

Factory
Stamford
Conn.

NOTICE OF SHIPMENT FROM GLENBROOK, CONN.

3145

TO UNION IRON WORKS
ERIE, PENNSYLVANIA

DATE OF SHIPMENT JANUARY 14, 1966

YOUR ORDER S-90755 - 67987

VIA Associated Transport

OUR ORDER A-7235

CHARGES 4349

MARKS SOUTHWESTERN OIL & REFINING CO.
U.I.W. P.O.#S-90755 - 67987

PREPAID

			SHIPPED	BALANCE ON ORDER
2	C-56054	Transformer Assembly	2	0
		BALANCE		

Guadalupe Banda
Cause No. 97-3700-C

D&E 00635

S 90755

PEABODY ENGINEERING CORPORATION

PEABODY LIMITED PEABODY HOUSE, LONDON, S W 1, ENGLAND • PEABODY ENGINEERING CORPORATION OF CANADA LTD., TORONTO, ONTARIO, CANADA

GLENBROOK STATION, STAMFORD, CONNECTICUT
TEL. DAVIS 4-6771
CABLE ADDRESS "PEBENGCOR"

ERIC G. PETERSON
CHAIRMAN

JOHN DUNN
PRESIDENT

GENERAL OFFICES
232 MADISON AVENUE
NEW YORK, NEW YORK 10016
MURRAY HILL 3-4100

REPLY TO
39 MAPLE TREE AVENUE
GLENBROOK STATION
STAMFORD, CONN. 06906

RECEIVED
AT ERIE
FEB 7 1966
8,9,10,11,12,1,2,3,4,5
A

February 3, 1966

U.I.W. Purchase Order No. S-90755-67987
Peabody Job No. 4349

Union Iron Works
A Division of Riley Stoker Corporation
Erie, Pennsylvania

Attention: Mr. W. S. Waiter, Purchasing Agent

Gentlemen:

This letter is in reply to your inquiry regarding shipping information for the above-subject order.

The balance of this order, which consisted of two (2) transformers, was shipped January 14, 1966. This order is now complete.

If we can be of further assistance, please do not hesitate to call upon us.

Very truly yours,

PEABODY ENGINEERING CORPORATION

Arthur J. Auleta
Contract Coordinating Department

AJA:VHA

Guadalupe Banda
Cause No. 97-3798-C
D&E 00636

Guadalupe Banda
Cause No. 97-3798-C

UNION IRON WORKS
DIVISION OF RILEY STOKER CORPORATION

Date - 7/6/65 Sheet No. 3

NAME OF JOB Southwestern Oil & Refining Co. ORDER NO. S-90755

No. Blrs. Two(2) Size 8955 sq.ft. HP - Type MH Built for 475 No. W.P. ASME & Texas

PURCHASER Riley Stoker Corporation - Worcester, Mass.

	Estimate			Com. Inc.	Selling Price Inc. Com.
Boiler foo Erie	89516				89516
Fittings					
Misc. Extras:					
Superheaters - Shop installed	14912				14912
Economizers	22100				22100
Gas & Air Ducts & Econ. Hoods	5002				5002
Econ. Support Steel	2752				2752
Misc. piping material & labor	1284				1284
Install time Peabody burner	1410				1410
Ladders & platforms-front head	1766				1766
Misc. Deductions:					
Freight	8225				8225
Total	146967				146967

SALES OFFICE Houston

Erection	Estimate	Carrying Charge		Net Price

Sub-Contracts	Estimate	UIW Carrying Charge	Com. Inc.	Net Selling Price
Drum Rolling-Titusville Iron Works	2160	324		2484
Boiler-SH-Economizer Trim	7480	892		8372
Economizer Fin tubes-Kentube	11300	1700		13000
Economizer return bends	1305	195		1500
Sturtevant F.D. fans & Acc.	6574	986		7560
Peabody burners & Acc.	8380	1200		9580
Bonds				
Finance Charges				
Total Contract Price	184166	5297		189463

OK
TOA
7/8/65

D&E 00637

200 UIW Order

Guadalupe Banda
Cause No. 97-3798-C

7-6-65 Revised 7-9-65
Date

UNION IRON WORKS
DIVISION OF RILEY STOKER CORPORATION

Sheet No. 3

NAME OF JOB Southwestern Oil & Refining Company ORDER NO. S-90755

No. Blrs. Two(2) Size 8955 sq. ft. HP - Type "MH" Built for 475 lbs. W.P. ASME & Texas

PURCHASER Riley Stoker Corporation - Worcester, Massachusetts

Revised 7-9-65 - Include Alternates #I, II, III and IV	Estimate			Com. Inc.	Selling Price Inc. Com.
Boiler fob Erie	89516				89516
Fittings					
Misc. Extras: Overage	3733				3733
Superheaters - Shop Installed	14912				14912
Economizers	21132				21132
Gas & Air Ducts & Econ. Hoods	5002				5002
Econ. Support Steel	2752				2752
Mis. Piping Material & Labor	1284				1284
Install Time - Peabody Burner	1410				1410
Ladders & Platforms - Front Head	1766				1766
Misc. Deductions:					
Add - Alt. I - Split Dampers for S.H. Control	1500				1500
Add - Alt II - Complete Platforms & Ladders	5056				5056
Add - Alt. III-Drum End & Safety Valve Covers	788				788
Add - Alt. IV - Ins. & Lagging, Econ. Uptake [illegible] and Drum Head	2346				2346
Freight	8225				8225
Total	159422				159422

SALES OFFICE Houston

Erection	Estimate	Carrying Charge		Net Price

Sub-Contracts	Estimate	UIW Carrying Charge	Com. Inc.	Net Selling Price
Drum Rolling-Titusville Iron Works	2160	324		2484
Boiler-SH-Economizer Trim	8216	1231		9447
Economizer Fin Tubes - Kentube	8300	1240		9540
Economizer Return Bends	973	147		1120
Sturtevant F. D. Fans & Acc.	6574	986		7560
Peabody Burners & Acc.	8380	1200		9580
OK				
TA 7/12/65				
Bonds				
Finance Charges				
Total Contract Price	194025	5128		199153

200 UIW Order

D&E 00638

Guadalupe Banda
Cause No. 97-3798-C

Revised 7/22/65 — UNION IRON WORKS — DIVISION OF RILEY STOKER CORPORATION — Sheet No. 3

NAME OF JOB Southwestern Oil & Refining Company — ORDER NO. S-90755

No. Blrs. Two(2) Size 8950 sq. ft. HP - Type "NH" Built for 475 lbs W.P. — ACME & Texas

PURCHASER Riley Stoker Corporation - Worcester, Massachusetts

Revised 7-9-65 - Include Alternates #I, II, III and IV **Add for .105" wall tubes.**	Estimate		Com. Inc.	Selling Price Inc. Com.
Boiler fob Erie	89516			90570
Fittings				
Misc. Extras: Overage	3733			3733
Superheaters - Shop Installed	14912			14912
Economizers	21132			21132
Gas & Air Ducts & Econ. Hoods	5002			5002
Econ. Support Steel	2752			2752
Mis. Piping Material & Labor	1284			1284
Install Time - Peabody Burner	1410			1410
Ladders & Platforms - Front Head	1766			1766
Misc. Deductions:				
Add - Alt. I - Split Dampers for S.H. Control	1500			1500
Add - Alt II - Complete Platforms & Ladders	5056			5056
Add - Alt. III-Drum End & Safety Valve Covers	788			788
Add - Alt. IV - Ins. & Lagging, Econ. Uptake and Drum Head	2346			2346
Freight	8225			8465
Total	159412			160716

SALES OFFICE Houston

Erection	Estimate	Carrying Charge		Net Price

Sub-Contracts	Estimate	UIW Carrying Charge	Com. Inc.	Net Selling Price
Drum Rolling-Titusville Iron Works	2160	324		2484
Boiler-SH-Economizer Trim	8216	1231		9447
Economizer Fin Tubes - Kentube	8300	1240		9540
Economizer Return Bends	973	147		1120
Sturtevant F. D. Fans & Acc.	6574	986		7560
Peabody Burners & Acc.	8380	1200		9580
OK TA 7/12/65				
Bonds				
Finance Charges				
Total Contract Price	194025	5128		200447

200 UIW Charge

D&E 00639

Guadalupe Bank
Cause No. 97-3790-C

7-6-65 Rev. 7-9-65
Date Rev. 7-22-65
Rev. 9-1-65

UNION IRON WORKS
DIVISION OF RILEY STOKER CORPORATION

NAME OF JOB Southwestern Oil and Refining Company ORDER NO. S-90755

No. Blrs. Two(2) Size 8955 Sq. Ft. HP - Type "MH" Built for 475 No. W.P. ASME & Texas

PURCHASER Riley Stoker Corporation - Worcester, Massachusetts

Revised 9-1-65: Added Hot Dip Galv. Extra and Transformers	Estimate			Com. Inc.	Selling Price Inc. Com.
Boiler fob Erie	90570				90570
[illegible]					
Misc. Extras: Overage	3733				3733
Superheaters - Shop Installed	14912				14912
Economizers	21132				21132
Gas and Air Ducts and Economizer Hoods	5002				5002
Econ. Support Steel	2752				2752
Misc. Piping Material and Labor	1284				1284
Install Time - Peabody Burner	1410				1410
Ladders and Platforms - Front Head	1766				1766
[illegible] Hot Dip Galv. Ladders & Platforms	457				457
Add. Alt. I- Split Dampers for S.H. Control	1500				1500
Add. Alt. II- Complete Platforms & Ladders	5056				5056
Add. Alt. III-Drum End & Safety Valve Covers	788				788
Add. Alt. IV -Ins. & Lagging, Econ. Uptake [illegible] and Drum Head	2346				2346
Freight	8465				8465
Total	161173				161173

SALES OFFICE Houston

Erection	Estimate	Carrying Charge		Net Price

Sub-Contracts	Estimate	UIW Carrying Charge	Com. Inc.	Net Selling Price
Drum Rolling - Titusville Iron Works	2160	324		2484
Boiler-SH-Economizer Trim	8216	1231		9447
Economizer Fin Tubes - Kentube	8300	1240		9540
Economizer Return Bends	973	147		1120
Sturtevant F. D. Fans and Acc.	6574	986		7560
Peabody Burners and Acc.	8680	1246		9926
OK TOA 9/1/65				
Bonds				
Finance Charges				
Total Contract Price	196076	5174		201250

(200 UIW Charge)

D&E 00640

Sheet No.

UNION IRON WORKS
DIVISION OF RILEY STOKER CORPORATION

Order No. S-90755 Date July 6, 1965

Purchaser Riley Stoker Corp-Worcester, Mass. Purchasers Order 110021-65112

For Southwestern Oil & Refining Co. Corpus Christi, Texas

LIST OF ITEMS FURNISHED BY SUBCONTRACTORS

ITEM	Incl. In Contract	Name of Subcontractor	P. Order No.	Erection by Whom	Erection P. Order	Shipping Date	Ship Where	Ship on Car
Foundations								
Stoker								
Pulverizer								
Gas or Oil Burners								
~~Economizer~~ Econ Fins	Inc.	Peabody						
~~Superheater~~ "Return	Inc.	Kentube						
Fans	Inc.	?						
Motors	Inc.	Sturtevant						
Starters								
Turbines								
Soot Blowers								
Feed Water Regulators								
Instruments								
Controls								
Doors - Boiler								
" - Furnace								
Piping								
Wiring								
Unload and Haul								
Erection								
Brickwork								
Insulation								
Armor								
Bonds								
Insurance								
Services								
Vent Condenser								
Reboiler								
Drum Rolling	Inc.	Titusville						

Remarks concerning above items:-

OK
TOA
7/8/65

D&E 00641

Guadalupe Banda
Cause No. 97-3760-C

9/8/2

U. I. W. Order Form 200-9-64-K

UNION IRON WORKS
DIVISION OF RILEY STOKER CORPORATION

Furnish Riley Stoker Corporation
Worcester, Mass

Date July 12, 1965

Contract No. S-90755

For Southwestern Oil & Refining Company
Corpus Christi Texas

Puchaser's Order No. 110021-65112

Purchaser's Order Date 7/6/65

Ship Via

Shipping Date

CHANGE ORDER NO. 1

The Company is to provide, in addition to the base bid equipment, as described in Proposal TA-61765, Revision 1, dated July 9, 1965, the alternates as described I, II, III and IV.

These alternates include split dampers for superheat control, extension of the complement of platforms and ladders to cover the rear drum and economizers, drum end covers and safety valve covers and the additional insulation and lagging for the economizer, the boiler uptake from the boiler to the economizer and the drum end covers. Due to the early shipment of this contract, sandblasting and special preparation as well as special painting will not be required and as a matter of fact, the purchaser has specifically requested that no painting or surface preparation whatsoever be included as they intend accomplishing the sandblasting and surface preparation as well as the painting upon receipt and final installation of the boiler units.

The feedwater temperature has been changed from 300°F to 240°F entering the economizer.

Proposal TA-61765, Revision 1, dated July 9, 1965 includes all of the changes brought about by this revision in the feedwater temperature.

The customer has specifically requested that all welded seams in the boiler casings, economizer casings, ladders, platforms and any weldments exposed to the atmosphere be continuously welded rather than stitch welded. This applies to all seams with the exception of the side panel reinforcing bars which may remain in a stitch welded construction.

Engineering Department is alerted to the request for monthly status reports on drawings as well as the requirement of a drawing schedule immediately after receipt of this file in the Engineering Department.

The shop is alerted to the requirement of monthly status reports also.

D&E 00642

Guadalupe Banda
Cause No. 97-3790-C

U. I. W. Order Form 700-9-64-K

UNION IRON WORKS
DIVISION OF RILEY STOKER CORPORATION

Furnish Riley Stoker Corporation Date July 12, 1965

Worcester Mass. Contract No. S-90755

For Southwes. il & Refining Company Puchaser's Order No. 110021-65112

Corpus Christi, Texas Purchaser's Order Date 7/6/65

Ship Via Shipping Date

CHANGE ORDER NO. 1 - Page 2

Southwestern Oil and Refining Company will furnish the flame safety equipment, combustion controls and instrument panel board. however, they have requested that Engineering Department forward, for their use and guide, a typical flame safety system, combustion control system and panel board from the previous contract which is similar.

Because of maximum heads produced in the feed pumps, the purchaser has requested that the design of the economizer be as high as possible and therefore we have elected to set the design of the economizer at 725 psig.

Omit advertising signs on boiler when shipped

T. O. Andrews
T. O. Andrews

TOA/km

Guadalupe Banda
Cause No. 97-3788-C

D&E 00643

9v S9w

U. I. W. Order Form 200-[illegible]

UNION IRON WORKS
DIVISION OF RILEY STOKER CORPORATION

Furnish Riley Stoker Corporation
Worcester, Mass.

Date July 14, 1965

Contract No. S-90755

For Southwestern Oil & Refining Co.
Corpus Christi, Texas

Purchaser's Order No. 110021-65112

Purchaser's Order Date 7/6/65

Ship Via

Shipping Date

CHANGE ORDER NO. 2

Kindly change all safety and relief valves to Consolidated rather than Crosby. This involves the boiler and superheater safety valves as well as the relief valve on the economizer.

T O Andrews
T. O. Andrews

TOA/km

Guadalupe Banda
Cause No. 97-3790-C

D&E 00644

U. I. W. Order Form 200-9-64-X

UNION IRON WORKS
DIVISION OF RILEY STOKER CORPORATION

Furnish Riley Stoker Corporation
Worcester Mass.

Date July 22, 1965

Contract No. S-90755

For Southwestern Oil & Refining Co
Corpus Christi, Texas

Puchaser's Order No. 110021-65112

Purchaser's Order Date 7/6/65

Ship Via

Shipping Date

CHANGE ORDER NO. 3

Tubes are to be changed from .095" wall thickness to 105" wall thickness.

No change to manufacturing hours.

7/22
T. C. Schuyler

TCS/km

11/7/22

D&E 00645

Guadalupe Banda
Cause No. 97-3798-C

U. I. W. Order Form 200-9-64-K

UNION IRON WORKS
DIVISION OF RILEY STOKER CORPORATION

Furnish Riley Stoker Corporation
Worcester, Massachusetts

Date September 1, 1965

Contract No. S-90755

For Southwestern Oil & Refining Company
Corpus Christi, Texas

Purchaser's Order No. 110021-65112

Purchaser's Order Date 7-6-65

Ship Via

Shipping Date

Change Order No. 4:

The entire complement of ladders, platforms and walkways onthis contract are to be hot dipped galvanized by shipping ~~one~~ when completed to Hanland and Gregory in Pittsburgh and return to Erie for shipment with the contract shipment.

The Company is also to include on each boiler one (1) weatherproof enclosure with two (2) transformers and high tension harnesses as outlined in A. D. Payne's letter to the Purchaser of August 4, 1965.

T. O. Andrews
T. O. Andrews

TOA:ame

D&E 00646

Guadalupe Banda
Cause No. 87-6790-C

Contract
Number S-90755

1. CONTRACT NAME (Complete this name as possible)

Southwestern Oil & Refining Co.
Corpus Christi, Texas

Purchaser's Order No. 110021-65112

UTW Contract No. S-90755
RSC Contract No. 55112-61

2. SEND COPIES OF CORRESPONDENCE TO:

Houston Office - Mr. A. D. Payne

3. SEND ENGINEERING CORRESPONDENCE & DRAWINGS TO:

Southwestern Oil & Refining Co.
Port & Summers
P. O. Drawer 809
Corpus Christi, Texas 78403

Attn: - Mr. Hooker H. Harding
Purchasing Agent

4. OTHER CORRESPONDENCE PERTAINING TO SHIPPING DATES, TRAFFIC, FIELD CONSTRUCTION AND LIKE SUBJECTS SHOULD BE SENT TO:

Above

5. ALL CORRESPONDENCE PERTAINING TO ADDITIONS, DELETIONS TO CONTRACT OR PRICE CHANGES WILL BE SENT TO SALES OFFICE NAMED BELOW FOR TRANSMITTAL TO CUSTOMER:

Houston

6. NUMBER OF BOILERS Two (2)
TYPE FM
LBS. STEAM/HR. 125,000

T.O.A.
T.O.A.

D&E 00647

Guadalupe Banda
Cause No. 87-3700-C

CUSTOMER SOUTHWESTERN OIL & REFINING CO. CONTRACT NO. S-90755

MATERIAL	SIZE	QT.	VENDOR	P.O.#	DATE	REMARKS
HEADS	42"I.D.x 1-3/8"	4	Lukens	67980	7-8-65	[illegible]
PLATES	1-5/16"x117½"x138½"	6	Lukens	67980	7-8-65	[illegible]
	2-3/4"x16-1/4" Dia	8	Stock		7-6-65	
	1"x1[illegible]"x14"	[illegible]	Curtze	[illegible]944	1-14-6[illegible]	
TUBES	2"O.D. x .150"	252	J & L	69088	10-14-65	Rec'd 11/1/65
	~~[illegible]-1/2"OD x .105"~~	~~1180~~	~~B & W~~	~~68095~~	~~[illegible]~~	
	2"O.D. x .105"	2660	J & L	69110	10-14-65	Rec'd 11/9/65
SEAMLESS STEEL PIPE	18"I.D. x 3/4"	4	Stock		7-6-65	
F.D. FANS	Size 4040 SWSI	2	Westing.	68069	7-14-65	B/L 2/15/66
BURNER EQUIPMENT	Wind Box Assemb.	2	Peabody	67987	7-15-65	[illegible]
THERMOWELL Type C	#T-149, Etc.	2	Trinity	68128	7-19-65	7/29/65
THERMOWELL Type C	#T-149	4	P.Trinity	68128m	7-19-65	
WATER COLUMN	Model W-601-X-TDM	2	Magnetrol	68127	7-19-65	Rec'd [illegible]
COLD ROLL CYLINDERS	42"IDx 9'8-3/8"	6	Struthers	68126	7-19-65	[illegible]
IND. THERMOMETER	~~Trerice BX-12406~~	~~2~~	~~Trerice~~	~~68125~~	~~7-19-65~~	Rec'd [illegible]
IND. THERMOMETER	Trerice BX-12406	2	Trerice	68125	7-19-65	
SAFETY VALVE @450#	1-1/2"Con.#1811JA	2	M.M &M.	68117	7-19-65	Rec'd [illegible]
SAFETY VALVE #475#	2" Con. #1811KA	2	M.M.&M.	68117	7-19-65	
SAFETY VALVE @480#	2½"Con.#1811LA	2	M.M.&M.	68117	7-19-65	
RELIEF VALVE @725#	1½"Con.#1912-30Gc	2	M.M.&M.	68117	7-19-65	

Guadalupe Banda
Cause No. 67-379[illegible]

D&E 00648

CUSTOMER SOUTHWESTERN OIL & REFINING CO. CONTRACT NO. S-90755

MATERIAL	SIZE	QT.	VENDOR	P.O.#	DATE	REMARKS
GLOBE VALVE	4"Edward #618	2	Watson	68118	7-19-65	Rec'd
CHECK VALVE	4" Edward #690	2	Watson	68118	7-19-65	9/23/65
GLOBE VALVE	3/4"Edward #848Y	2	Watson	68118	7-19-65	Rec'd
GLOBE VALVE	3/8" Edward #848Y	4	Watson	68118	7-19-65	Rec'd
GLOBE VALVE	3/4" Edward #848Y	2	Watson	68118	7-19-65	Rec'd
GLOBE VALVE	1" Edward #4152	2	Watson	68118	7-19-65	Rec'd
GLOBE VALVE	3/8" Edward #848	2	Watson	68118	7-19-65	Rec'd
GLOBE VALVE	2-1/2"Edward #828	2	Watson	68118	7-19-65	Rec'd
GLOBE VALVE	3/4" Edward #848Y	2	Watson	68118	7-19-65	
GLOBE VALVE	3/4" Edward #848Y	2	Watson	68118	7-19-65	Rec'd
GLOBE VALVE	3/4" Edward #848Y	2	Watson	68118	7-19-65	
WATER GAGE VALVES	#SG-860, Etc.	4	Clark-R.	68119	7-19-65	
GLASS INSERTS	FG-909	4	Clark-R.	68119	7-19-65	
DIRECT VISION HOODS	For above Gages	4	Clark-R.	68119	7-19-65	Rec'd
FLOOR STAND/MIRROR	For above Gages	2	Clark-R.	68119	7-19-65	
INTERMEDIATE MIRRORS	For aboe Gages	2	Clark-R.	68119	7-19-65	
WELBOND VALVE	1" Yarway #5925F	6	Yarnall-W	120	7-19-65	Rec'd
STEAM GAGE	12" Ash.#1377A	2	M.M.&M.	68121	7-19-65	Rec'd
STEAM GAGE	8-1/2" #1377A	2	M.M.&M.	68121	7-19-65	
FLO CONTROL VALVE	1" Han. #5525F	2	Lake E.P.	68122	7-19-65	Rec'd
W.C.SHUTOFF VALVE	1-1/4"Han. #970-W-WC	4	Lake E.P.	68122	7-19-65	Rec'd
M.H.PLATE ASSEMBLIES	12" x 16", Etc.	4	Stock		7-16-65	
FURNISH SMLS STL. PIPE	1-1/2"Sch.40	36	Kentube	68824	9-20-65	Comp 11/65
RETURN BENDS	1-1/2"Sch.40 180°	378	Alleg.P.	68825	9-20-65	Rec'd
CHILL RINGS	1.600"OD of Ring	792	Wedge	68826	9-20-65	Rec'd
STEEL COLLARS 3-1/2"	O.D.x 1-31/32"x2"lg	396	Colonial	68827	9-20-65	Rec'd
GLOBE VALVE	1/2"Edward #848Y	4	Watson	68972	10-1-65	Rec'd
GLOBE VALVE	1/4"Edward #848	2	Watson	68972	10-1-65	
THERMOMETER ONLY	Trerice BX13406	2	Trerice	69059	10-12-65	Rec'd
THERMOMETER ONLY	Trerice BX13406	2	Trerice	69059	10-12-65	
WELD NECK	1-1/2" 9" lg.	6	Stock		10-7-65	
S.W.HALF COUPLING	1-1/4" 2000#	2	Stock		10-7-65	
S.W. COUPLING	1" 2000#	2	Stock		10-7-65	
S.W. COUPLING	1-1/2" 3000#	2	Stock		10-7-65	
ALLOY STUD BOLT	3/4"Dia.x4-1/2"	8	Stock		10-7-65	
ALLOY NUT	3/4"	16	Stock		10-7-65	
S.W. 90° ELBOW	3/4" 3000#	6	Stock		10-7-65	
SCH 80 PIPE 3/4" x	7' 2"	2	Stock		10-7-65	
S.W. TEE	3/4" 3000#	2	Stock		10-7-65	
S.W.90° ELBOW	3/4" 3000#	2	Stock		10-7-65	
Stn.STEEL BAR	1/2" x3" x 3-1/4"	4	Stock		10-7-65	
NAME PLATES	U.I.W. STD.	2	Stock		10-7-65	
OPERATORS CHAIN	Lin.Ft.	90	Stock		10-7-65	
CHAIN PULL TAGS	Sets of	4	Stock		10-7-65	
STUD BOLT/2 NUTS EA.	5/8"x3-3/4" lg.	16	Stock		10-7-65	
FLEX. GASKET FOR	1" 600# RF Flg.	4	Stock		10-7-65	
SCRD. ELLS	1/2" 90° 2000# FS	8	Stock		10-7-65	
SCRD.GR. JT. UNION	1/2" 2000# F.S.	4	Stock		10-7-65	
SCRD. TEE	1/2" 2000# F.S.	2	Stock		10-7-65	
SCRD. BUSHING	1/2" to 1/4" 2000#	2	Stock		10-7-65	

Guadalupe Bandit
Cause No. 07-3[illegible]-C

SOUTHWESTERN OIL & REFINING CO. S-90755

STUD BOLT 2 NUTS EA.	5/8"x 4" lg.	64	Stock		9-30-65
FLEX. GASKET FOR 1-1/4"	RF 600# Flg.	8	Stock		9-30-65
SCRD. FLANGE	1/4" 600#	8	Stock		9-30-65
SCRD.GR. JT. UNION	3/4" 2000# FS	2	Stock		9-30-65
SCRD. ELL	3/4" 90° 2000# FS	4	Stock		9-30-65
SCRD.GR.JT. UNION	2-1/2" 150# MI	4	Stock		9-30-65
SCRD. ELL	2-1/2" 150# MI	4	Stock		9-30-65
FLEX. GASKET	For 4"600# RF Flg.	10	Stock		9-30-65
WELD RING FOR	4" Sch. 80 Pipe	20	Stock		9-30-65
DIAMOND U-BOLT FOR	3/4" Pipe #408	2	Stock		9-30-65
DIAMOND U-BOLT FOR	1-1/4" Pipe #410	2	Stock		9-30-65
DIAMOND U-BOLT FOR	1/2" Pipe #407	2	Stock		9-30-65
DIAMOND U-BOLT FOR	2-1/2"Pipe #432	2	Stock		9-30-65
DIAMOND U-BOLT FOR	4" Pipe #433	2	Stock		9-30-65
FLEX. GASKET For	1-1/2" 600# RF Flg.	2	Stock		9-30-65
STUD BOLT/2 NUTS EA.	3/4"Dia.x5" Lg.	8	Stock		9-30-65
SOCKET WELD FLANGE	1" 600#	4	Stock		9-30-65
STUD BOLT/2 NUTS EA.	5/8"x 3-3/4" Lg.	24	Stock		9-30-65
FLEX.GASKET FOR	1" 600# RF Flg.	6	Stock		9-30-65
BUTT WELD ELL	1" 90° Lg.Rad.	4	Stock		9-30-65
RIDGE TYPE WELD RING	For 1"Sch. 80 Pipe	8	Stock		9-30-65
SOCKET WELD OUTLET	1"x1" Weld-O-Let	2	Stock		9-30-65
SCRD.GR. JT. UNION	2-1/2" 150# MI	4	Stock		9-30-65
SCRD. PIPE CAP	2-1/2" 150# M.I.	2	Stock		9-30-65
STD.WT. B.I. PIPE	Lin.Ft. 2-1/2"	102	Stock		9-30-65
WTHD. MALE ELBOW	691 x 8A	8	Stock		9-30-65
WTHD. MALE CONN.	681 x 8A	8	Stock		9-30-65
TUBING -Lin.Ft.	1/2" O.D.x.022"	28	Stock		9-30-65
SCRD. TEE	1" 2000# F.S.	2	Stock		9-30-65
SCRD. PIPE PLUG	1" 2000# F.S.	2	Stock		9-30-65
SCRD. BUSHING	1" to 1/2" 2000#	2	Stock		9-30-65
SCRD.GR. JT. UNION	1/2" 2000# F.S.	2	Stock		9-30-65
SCRD. ELL	1/2" 90° 2000#	2	Stock		9-30-65
STUD BOLT/2 NUTS EA.	3/4"x 4-1/2" lg.	24	Stock		9-30-65
FLEX.GASKET FOR	1-1/2"600# RF Flg.	6	Stock		9-30-65
SCRD. BUSHING	1-1/2" to 3/4"	2	Stock		9-30-65
PIPE PLUG	1-1/2" 2000# FS	2	Stock		9-30-65
SCRD. TEE	1-1/2" 2000# FS	2	Stock		9-30-65
STUD BOLT/2 NUTS EA.	5/8"x 4-1/2" lg.	16	Stock		9-30-65
FLEX. GASKET - For	2" 600# RF Flg.	2	Stock		9-30-65
STUD BOLT/2 NUTS EA.	3/4"x 5" lg.	16	Stock		9-30-65
FLEX. GASKET FOR	2-1/2" 600# RF Flg	2	Stock		9-30-65
DIAMOND U-BOLT #432	For 2-1/2" Pipe	12	Stock		9-30-65
WELDING NECK FLANGE	8" 600#	8	Alleg.P.	69051	10-12-65 Rec'd 11/1/65
BUTT WELD ELBOW	8" 90° X-Str.	2	Alleg.P.	69051	10-12-65 Rec'd 11/1/65
BLIND FLANGE	1-1/2" 600#	2	Alleg.P.	69051	10-12-65
CONCENTRIC REDUCER	10" x 8" Butt Weld	4	Alleg.P.	69051	10-12-65
BUTT WELD ELBOW	8" 90° Ex.Str.	4	Alleg.P.	69051	10-12-65 Rec'd 11/1/65
WELD RING	10" X-Str.	4	Alleg.P.	69051	10-12-65 Rec'd 11/1/65
WELD RING	8" Ex.Str.	16	Alleg.P.	69051	10-12-65 Rec'd 11/1/65
SCRD.REDUCING FLANGE	4-7/8" 1/2" Scrd.	2	Alleg.P.	69051	10-12-65 Rec'd 11/1/65
SCRD. GR.JT. UNION	3/8" 2000# F.S.	4	Alleg.P.	69051	10-12-65 Rec'd 11/1/65
SCRD. ELL	3/8" 90° 2000# FS	8	Alleg.P.	69051	10-12-65

Guadalupe Blanda
Cause No. C7-87000

SOUTHWESTERN OIL & REFINING CO. S-90755

SCRD. FLANGE	1" 600#	2	Alleg.P.	69051	10-12-65	Rec'd 10/26/65
LAP JOINT FLANGE	4" 600#	4	Alleg.P.	69051	10-12-65	Rec'd 11/1/65
LAP JOINT STUB END	" X-Strg.	4	Alleg.P.	69051	10-12-65	Rec'd 11/1/65
W.N. FLANGE	4" 600#	4	Alleg.P.	69051	10-12-65	Rec'd 11/1/65
BUTT WELD ELL	4" 90°	6	Alleg.P.	69051	10-12-65	Rec'd [illegible]
BUTT WELD ELL	4" 45°	2	Alleg.P.	69051	10-12-65	
SCRD. FLANGE	1-1/2" 600#	4	Alleg.P.	69051	10-12-65	Rec'd [illegible]
ALLOY STUD BOLT	1-1/8" x 8"	24	Keystone	69052	10-12-65	Rec'd 12/29/65
ALLOY NUT	1-1/8"	48	Keystone	69052	10-12-65	
STUD BOLT/2 NUTS EA.	7/8" x 6" lg.	80	Keystone	69052	10-12-65	
WATER COLUMN ELLS	1-1/4" 90°	8	Steel Imp.	69053	10-12-65	[illegible]
FLEX. GASKET FOR -	1-1/4" 600# RF Flg.	8	Collura	69054		Rec'd 10/15/65
STEEL STUDS	7/16"Dia.x3/4" lg.	60	Stock		10-6-65	
SLIP ON FLANGE	1-1/4" 600#	16	Lake E.P.	69111	10-14-65	Rec'd 11/2/65
WELD NECK	2" 9" lg. 600#	4	Stock		10-19-65	
WELD NECK	2-1/2" 9" lg. 600#	2	Stock		10-19-65	
WELD NECK	1-1/4" 9"lg. 600#	4	Stock		10-19-65	
WELDNECK	4" 12"lg. 600#	2	Stock		10-19-65	
WELD NECK	1" 9" lg. 600#	8	Stock		10-19-65	
LAP JT. FLANGE	1" 600#	4	Stock		10-19-65	
WELDING RINGFOR	2" Sch. 80 Pipe	4	Stock		10-19-65	
WELDING RING FOR	1"Sch. 80 Pipe	4	Stock		10-19-65	
LAP JT.STUB END	1" Ex.Str.	4	Stock		10-19-65	
FLEX. GASKET FOR 2"	600# RF Flange	6	Stock		10-19-65	
BLIND FLANGE	2" 600#	6	Alleg.P.	69193	10-25-65	Rec'd 11/3/65
SLIP ON FLANGE	1" 600#	2	Alleg.P.	69193	10-25-65	
WELDING NECK	2" 600#	4	Alleg.P.	69193	10-25-65	
SOCKET WELD ELBOW	2" 3000# 90°	4	Alleg.P.	69193	10-25-65	
ALLOY STUD BOLT	5/8"x 4-1/2" lg.	48	Keystone	69192	10-25-65	Rec'd 11/4/65
ALLOY NUT	5/8"	96	Keystone	69192	10-25-65	
ALONIZE MATERIAL FOR B.BAFFLES HTD-5534			Alon Pr.	69270	11-2-65	Rec'd 12/22/65
GR. JT. UNION	4" Std. Wt.	2	Lake E.P.	69248	11-1-65	Rec'd 11/2/65
STD.WT. GR.JT. UNION	1" Type 304 SS	2	Lake E.P.	69248	11-1-65	
STD.WT. ELL	1" 90° Type 304 SS	4	Lake E.P.	69248	11-1-65	Rec'd 11/9/65
ST.WT. CAP	1" Type 304 SS	2	Lake E.P.	69248	11-1-65	
FURNISH S.S. PIPE	1-1/2"Sch. 40	314	Kentube	69378	11-12-65	Rec'd 12/1/65
CHILL RING	3.826"OD of Ring	4	Stock		11-16-65	
S.W. HALF COUPLING	1-1/4" 2000#	4	Stock		11-16-65	
CHILL RING	1.50" OD of Ring	2	Stock		11-16-65	
S.S. COUPLING	3/4" 2000#	2	Stock		11-16-65	
BUTT WELD CONC.REDUCER	8"x4" Sch. 80	4	Alleg.P.	69487	11-19-65	Rec'd 12/11/65
WELD RING	7.625" OD of Ring	4	Alleg.P.	69487	11-19-65	
WELDING NECK FLANGE	4" 600#	4	Alleg.P.	69487	11-19-65	Rec'd 12/11/65
WELDING NECK FLANGE	1-1/2" 600# 1.50"	2	Alleg.P.	69487	11-19-65	
BAR	3/4"x3 x 11' 1-5/8"	48	Curtze &C	69627	12-10-65	Rec'd 12/13/65
BAR	3/4"x3"x11'0-11/16"	4	Curtze &C	69627	12-10-65	

D&E 00651

Guadalupe Banda
Cause No. 97-3700-C

CUSTOMER SOUTHWESTERN OIL CONTRACT NO. S-90755

MATERIAL	SIZE	QT.	VENDOR	P.O. #	DATE	REMARKS
GASCOIGNE FITTINGS	Railing Support 64-7	50	Kee Klamp	69798	12-29-65	
SINGLE SOCKET TEE	#10-7, Gascoigne	48	Kee Klamp	69798	12-29-65	
90° ELBOW	#15-7, Gascoigne	36	Kee Klamp	69798	12-29-65	Rec'd 1/3/66
THREE SOCKET TEE	#25-7, Gascoigne	12	Kee Klamp	69798	12-29-65	
TWO SOCKET CROSS	#26-7, Gascoigne	16	Kee Klamp	69798	12-29-65	
SIDE OUTLET ELBOW	#20-7, Gascoigne	6	Kee Klamp	69798	12-29-65	
WELD NECK	8"-x 12" Lg. F&D 600#	2	Allegh.	69799	12-30-65	Rec'd 1/6/66
MITCO TYPE "C" GRATING	3/4" x 1/8"	10	Hendrick	69811	12-31-65	Rec'd 1/7/66
STEEL FENCE PIPE	1/4" Galvanized-Pcs.	114	Lake E.P.	69813	1-3-66	Rec'd 1/11/66
EXP. JT. PER DWG.	~~BTD-10281 Item #15~~	~~2~~	~~G.Krack~~	~~69906~~	~~1-10-66~~	Rec'd 1/17/66
NYLON FABRIC	~~8" Wide Impregnated~~	~~26'~~	G.Allen	69926	1-12-66	Rec'd 1/18/66
H.R. PLATE	~~1" x 14" x 14"~~	~~6~~	~~Curtze~~	~~69944~~	~~1-14-66~~	Rec'd 1/18/66
KEE KLAMP FITTINGS	~~#62-7 Galvanized~~	~~4~~	Kee Klamp	70109	2-8-66	Rec'd 2/10/66
ALLOY STUD BOLT	1-1/8" x 8"	24	Keystone	60103	~~2-9-66~~	Rec'd 2/14/66
ALLOY NUT	1-1/8"	48	Keystone	60103	~~2-9-66~~	
HOT DIP GALVANIZE PLATFORMS, LADDERS & W.W.			~~Harlon&G~~	~~70105~~	~~2-9-66~~	Rec'd 2/15/66

D&E 00652
Guadalupe Bend
Cause No. 07-87-C-C

FORM W 84 11 63
PURCHASE ORDER

RILEY *Stoker Corporation*
WORCESTER MASSACHUSETTS 01611

STEAM GENERATING
AND FUEL BURNING
EQUIPMENT

VENDOR

Westinghouse Electric Corp.
Sturtevant Division
P.O. Box 1017
Pittsburgh, Pennsylvania
15230

Acct.

Date July 14, 1965

P. O. NO. S-90755 - 68069
USE COMPLETE NUMBER IN ALL REFERENCES TO THIS ORDER

MARK

SHIP TO:

Shipment Wanted

VIA

QUANTITY	MATERIAL
2	Forced Draft Fans, Westinghouse - Sturtevant Size #4040, SWSI, Air Foil Wheel, total weight each 3280 lbs., ball bearings, Arrgt. 3, counter clockwise rotation facing drive side with air inlet on side opposite drive, top horizontal discharge, standard inlet, flanged outlet with four (4) pilot holes, 9/16" Dia. located on median centerlines for assembly purposes and field welding. The fans shall be suitable for turbine drive. Std. cleaning and painting acceptable.

Test Block Conditions @ Elevation:

Lbs. of Air/Hour	151,200
Static Press., I_n. W.C.	21.60
Air Temp., °F	105
Elevation	Sea Level
Constant Speed, RPM	1770
BHP - - Inlet Vane Control	143

Additional Features required:

Inlet Screen
Inlet vane control
Independent bearing pedestals
Pedestal sole plates
Intake dampers
Thomas or equal flexible coupling
coupling assembly (fan half only)
coupling guard

Guadalupe Banda
Cause No. C7-87000-C

VENDOR (named above) Please FURNISH in compliance with all terms, conditions (see reverse side) and instructions, the goods and/or services specified herein. ACKNOWLEDGE your acceptance by return mail; FORWARD complete shipping information immediately upon shipment; SHOW P. O. NO. and MARK on ALL CORRESPONDENCE, acknowledgments, letters, invoices, packing lists, shipping papers and all packages.

RILEY STOKER CORPORATION

D&E 00653

Assistant Purchasing Agent

P. O. NO.

PURCHASING FILE COPY

FORM W-227 10M 3-65
PURCHASE ORDER

July 14, 1965

RILEY *Stoker Corporation*
WORCESTER MASSACHUSETTS 01601

P. O. NO. S-90755-68069

PG. 2 OF 2 PAGES

VENDOR Westinghouse Electric Corp.

REQ. NO.

QUANTITY	MATERIAL

Additional Features required: Cont'd)

Split housing
Cleanout (access) door
Inlet Rainshield (for out-of-door installation)
Housing Drain Conn." " " "

Advise torque requirement of inlet vane control lever on these fans.

Ultimate User: Southwestern Oil & Refining Company
Corpus Christi, Texas

Net pricing per your quotation #41-P-3151 Alternate #1 dated July 9, 1965, modified by additions noted below:

Net Price Each for #4040 Fan - - - - - - - - -	$3287.00
" " " Rainshield - - - - - - - -	87.00
" " " Hsg. Drain - - - - - - - -	26.00
Add for Hvy. Ga. Wheel (Turbine Dr.) - - - -	49.00
Total net price Each Assy. - - - - - - - - - -	$3449.00
	x2
Total Net price of Purchase Order - - - - -	$6898.00 f.o.b.

point of shipment, full frt. prepaid and allowed.

Drawing requirements:
Furnish eight (8) copies of drawings for approval immediately. Furnish one (1) reproducible after approval. Furnish eight (8) copies of installation, operating and maintenance instructions, unbound. Furnish spare parts list and itemized prices.

Design Conditions:
Two (2) U.I.W. Type MH Pressure Fired Steam Generators, Size 118-C, capacity 125,000 lbs. of steam/hour when operating @ 425 Psig and 600°F total steam temperature, F.W.T. 240°F,
Blr. Draft Loss 8.0 In. W.C. @ capacity.
Burner Draft Loss 3.25 In. W.C. @ capacity.
Ducts & W.B. Draft Loss 1.35 In. W.C. @ capacity.
Econ. Draft Loss 3.74 In. W.C. @ capacity.

Furnish eight (8) copies of fan performance curves based on above data including inlet vane horsepower curve similar to what you furnished on your PGY-5542 for Continental Oil.

Shipment required Jan. 15, 1966. Do not ship until you receive a formal shipping release.

Note: Dwgs., correspondence, etc. to be mailed to the Union Iron Works - in Erie, Penna.

cc - Riley Stoker Corporation
Worcester, Massachusetts
Attn: R.F. Sullivan

(For Southwestern Oil & Refining Co
Corpus Christi, Texas
Riley P.O. #110021-65112

D&E 00654

Guadalupe Banda
Cause No. 07-8700-C

FORM W-227 10M 3-65
PURCHASE ORDER

RILEY Stoker Corporation
WORCESTER, MASSACHUSETTS 01601

July 16, 1965

P. O. NO. S-90755-68069

PG. OF PAGES

VENDOR Westinghouse Electric Corp.

REQ. NO.

QUANTITY	MATERIAL

CHANGE ORDER No. 1 APPLYING TO PURCHASE ORDER S-90755-68069

Westinghouse Electric Corporation
Sturtevant Division
P.O. Box 1017
Pittsburgh, Pennsylvania
15230

Correct pricing as follows:

Add on for heavier gauge wheel should have been $245.00
instead of $49.00 net. This results in a net increase of
$196.00 per fan x 2 = $392.00
Previous Total of P.O. 6898.00
New Total Price of P.O. $7290.00

Balance of order to remain as before.

cc - Riley Stoker Corporation
Worcester, Massachusetts

Attn: Mr. R.F. Sullivan
(For Southwestern Oil & Refining Co.
Corpus Christi, Texas)

RILEY STOKER CORPORATION

D&E 00655

Guadalupe Banda
Cause No. C74-6703-C

FORM W-43 11-63
PURCHASE ORDER

RILEY *Stoker Corporation*
WORCESTER MASSACHUSETTS 016 1

STEAM GENERATING AND FUEL BURNING EQUIPMENT

VENDOR

Westinghouse Electric Corp.
Sturtevant Division
P.O. Box 1017
Pittsburgh, Pennsylvania
15230

Acct

Date July 14, 1965

P. O. NO. S-90755 - 68069

USE COMPLETE NUMBER IN ALL REFERENCES TO THIS ORDER

MARK

SHIP TO:

Shipment Wanted

VIA

QUANTITY	MATERIAL
2	Forced Draft Fans, Westinghouse - Sturtevant Size #4040, SWSI, Air Foil Wheel, total weight each 3280 lbs., ball bearings, Arrgt. 3, counter clockwise rotation facing drive side with air inlet on side opposite drive, top horizontal discharge, standard inlet, flanged outlet with four (4) pilot holes, 9/16" Dia. located on median centerlines for assembly purposes and field welding. The fans shall be suitable for turbine drive. Std. cleaning and painting acceptable.

Test Block Conditions @ Elevation:

Lbs. of Air/Hour - - - - - - - - - - - -	151,200
Static Press., I_n. W.C. - - - - - - - -	21.60
Air Temp., °F - - - - - - - - - - - - - -	105
Elevation - - - - - - - - - - - - - - - -	Sea Level
Constant Speed, RPM - - - - - - - - - - -	1770
BHP - - Inlet Vane Control - - - - - - -	143

Additional Features required:

Inlet Screen
Inlet vane control
Independent bearing pedestals
Pedestal sole plates
Intake dampers
Thomas or equal flexible coupling
coupling assembly (fan half only)
coupling guard

VENDOR (named above) Please FURNISH in compliance with all terms, conditions (see reverse side) and instructions, the goods and/or services specified herein. ACKNOWLEDGE your acceptance by return mail; FORWARD complete shipping information immediately upon shipment; SHOW P. O. NO. and MARK on ALL CORRESPONDENCE, acknowledgments, letters, invoices, packing lists, shipping papers and all packages.

RILEY STOKER CORPORATION

D. E. Henning
Assistant Purchasing Agent

P. O. NO. D&E 00656

VENDOR FILE COPY

Guadalupe Banda
Cause No. 87-6700-C

Guadalupe Banda
Cause No. 97-3799-C

FORM W-227 10M 3-65
PURCHASE ORDER

RILEY *Stoker Corporation*
WORCESTER, MASSACHUSETTS 01601

July 14, 1965

P. O. NO. S-90755-68069

PG. 2 OF 2 PAGES

VENDOR Westinghouse Electric Corp.

REQ. NO.

QUANTITY	MATERIAL

Additional features required: Cont'd)

Split housing
Cleanout (access) door
Inlet Rainshield (for out-of-door installation)
Housing Drain Conn." " " "

Advise torque requirement of inlet vane control lever on these fans.

Ultimate User: Southwestern Oil & Refining Company
Corpus Christi, Texas

Net pricing per your quotation #41-P-3151 Alternate #1 dated July 9, 1965, modified by additions noted below:

Net Price Each for #4040 Fan - - - - - - - - -	$3287.00
" " " Rainshield - - - - - - - -	87.00
" " " Hsg. Drain - - - - - - - -	26.00
Add for Hvy. Ga. Wheel (Turbine Dr.) - - - -	49.00
Total net price Each Assy. - - - - - - - - - -	$3449.00
	x2
Total Net price of Purchase Order - - - - - -	$6898.00 f.o.b.

point of shipment, full frt. prepaid and allowed.

Drawing requirements:
Furnish eight (8) copies of drawings for approval immediately. Furnish one (1) reproducible after approval. Furnish eight (8) copies of installation, operating and maintenance instructions, unbound. Furnish spare parts list and itemized prices.

Design Conditions:
Two (2) U.I.W. Type MH Pressure Fired Steam Generators, Size 118-C, capacity 125,000 lbs. of steam/hour when operating @ 425 Psig and 600°F total steam temperature, F.W.T. 240°F, Blr. Draft Loss 8.0 In. W.C. @ capacity.
Burner Draft Loss 3.25 In. W.C. @ capacity.
Ducts & W.B. Draft Loss 1.35 In. W.C. @ capacity.
Econ. Draft Loss 3.74 In. W.C. @ capacity.

Furnish eight (8) copies of fan performance curves based on above data including inlet vane horsepower curve similar to what you furnished on your PGY-5542 for Continental Oil.

Shipment required Jan. 15, 1966. Do not ship until you receive a formal shipping release.

Note: Dwgs., correspondence, etc. to be mailed to the Union Iron Works - in Erie, Penna.

cc - Riley Stoker Corporation
Worcester, Massachusetts
Attn: R.F. Sullivan

(For Southwestern Oil & Refining Co
Corpus Christi, Texas
Riley P.O. #110021-65112)

FORM W-227 10M 3-65
PURCHASE ORDER

RILEY *Stoker Corporation*
WORCESTER. MASSACHUSETTS 01601

October 1, 1965

P. O. NO. S-90755-68069

PG. OF PAGES

VENDOR Westinghouse Electric Corp.

REQ. NO.

QUANTITY	MATERIAL

CHANGE ORDER No. 2 APPLYING TO PURCHASE ORDER S-90755-68069

Westinghouse Electric Corporation
Sturtevant Division
P.O. Box 1017
Pittsburgh, Pennsylvania
15230

Enclosed find two (2) Allis Chalmers materia. return tags. These are to be used for shipment of the two (2) motor half couplings to Allis Chalmers.

Please notify as soon as possible when the half couplings will be shipped.

cc - Riley Stoker Corporation
Worcester, Massachusetts

Attn: Mr. R.F. Sullivan
(For Southwestern Oil &Refining Co.
Corpus Christi, Texas)

RILEY STOKER CORPORATION

Guadalupe Banda
Cause No. 97-3798-C

D&E 00658

FORM W-227 10M 3-65
PURCHASE ORDER

RILEY *Stoker Corporation*
WORCESTER, MASSACHUSETTS 01601

January 12, 1966

P. O. NO. S-90755-68069

PG. OF PAGES

VENDOR Westinghouse Electric Corp.

REQ. NO.

QUANTITY	MATERIAL

CHANGE ORDER NO. 3 APPLYING TO PURCHASE ORDER S-90755-68069

Westinghouse Electric Corporation
Sturtevant Division
P.O. Box 1017
Pittsburgh, Pennsylvania
15230

Release for shipment at once.

Ship via: Motor Frt. "Prepaid"

Consign to: Riley Stoker Corporation
c/o Southwestern Oil & Refining Co.
Corpus Christi, Texas

Mark: Southwestern Oil Co. P.O. #110021-65112.

cc - Riley Stoker Corporation
Worcester, Massachusetts

Attn: R.F. Sullivan
(for Southwestern Oil & Refining Co.
Corpus Christi, Texas)

Please sign one (1) copy of change order and return to us.

RILEY STOKER CORPORATION

Guadalupe Banda
Cause No. 97-3793-C

D&E 00659

FORM W-64 11 63

PURCHASE ORDER

RILEY Stoker Corporation

WORCESTER, MASSACHUSETTS 01601

STEAM GENERATING AND FUEL BURNING EQUIPMENT

VENDOR

Westinghouse Electric Corp.
Sturtevant Division
P.O. Box 1017
Pittsburgh, Pennsylvania
15230

Acct.

Date March 30,19[illegible]

P. O. NO. R-46355 - 70618

USE COMPLETE NUMBER IN ALL REFERENCES TO THIS ORDER

MARK

SHIP TO:

Shipment Wanted

Confirming Phone call to: R.T. Mall

VIA

QUANTITY	MATERIAL
2	2-15/16" SAOL Floating Bearings with necessary hardware. Replacing two (2) cartons lost in shipment on S-90755-66069 - Your PGT-5666. Ship direct to: Riley Stoker Corporation c/o Southwestern Oil & Refining Co. Corpus Christi, Texas Tag: "For Union Iron Works Boilers" Ship via: Air Express. cc - Riley Stoker Corporation Worcester, Massachusetts Attn: R.F. Sullivan

Guadalupe Banda
Cause No. 97-3793-C

VENDOR (named above) Please FURNISH in compliance with all terms, conditions (see reverse side) and instructions, the goods and/or services specified herein. ACKNOWLEDGE your acceptance by return mail; FORWARD complete shipping information immediately upon shipment; SHOW P. O. NO. and MARK on ALL CORRESPONDENCE, acknowledgments, letters, invoices, packing lists, shipping papers and all packages.

RILEY STOKER CORPORATION

[redacted]

P. O. NO.

D&E 00660

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

STEAM POWER PLANT EQUIPMENT

PURCHASING DEPT. COPY

Date Issued July 8, 1965

S-90755 -67980

Lukens Steel Company
4511 Harlem Road
Buffalo, New York
14226

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION	DATE RECEIVED
		Confirming Order	
	6	1-5/16" x 117-1/2" x 138-1/2" Steel Firebox Plate.	
	4	42" I.D. x 1-3/8" Thick Flanged & Dished ASME Head, dished to 42" R - 4-1/8" inside corner radius - 2-3/4" Str.Flange - 12" x 16" manhole in center of head - Flanged same direction as head - Flange steel.	
		All above ASTM-A-212 Grade B - Silicon Killed.	
		All plates to be heat treated at Mill (Except heads).	
		Shipment required by August 28, 1965.	
		Ship via: Rail "Prepaid" to:	
		Struthers Wells Corporation Titusville Iron Works Div. Titusville, Pennsylvania	
		Mark: For use on U.I.W. P.O. S-90755-67980	
		Send one (1) copy of Mill Test Report to above address attn: Mr. Geo Boyle.	

Guadalupe Banda
Cause No. 97-3793-C

CAR NO. _____ VIA _____

WEIGHT _____ CHARGES _____

D&E 00661

12

MANNING, MAXWELL & MOORE, INC.

CONSOLIDATED SAFETY VALVES ASHCROFT GAUGES
HANCOCK VALVES, INJECTORS AND EJECTORS
AMERICAN INDUSTRIAL INSTRUMENTS
ALEXANDRIA, LOUISIANA

R-9020

CUSTOMER'S ORDER NO 5-90755-68117

PLEASE REFER TO OUR ORDER NO R-90200

DATE 7-19-65

PAGE

INSTRUCTIONS — SHIPPING — BILLING

PM.. : HOLD UP FABRICATION FOR CUST DWG APPROVAL

RECEIVED AT JUL 30 1965 8,9,10,11,12,1,2,3,4,5

SOLD TO

UNION IRON WORKS
ERIE, PENNSYLVANIA

SHIPPED TO

SAME

ACKNOWLEDGMENT

SPECIAL MARKING

ROUTING C/W FOB ALEXANDRIA, LA FA

Item	Quantity Ordered	Description	Quantity Shipped	Unit Price	Amount
		7-25-65 PD			
1	2	CLASS 763 TW R-90200 STATUS C 1 3 SIZE IN 1-1/2 TYPE 1912-30 GC CODE 61-4-0 SERIAL NO. TB-86820-21 Set. psig 725 BACK PRESSURE TEMP COLD DIFF SET 7[illegible] CAP. 20430 TAG: FOR ECONOMIZER SIL -1 0343701 OA-219		384.40 768.80 10%	691.92
		CLASS TW STATUS SIZE IN. TYPE CODE SERIAL NO. Set. psig BACK PRESSURE TEMP COLD DIFF SET CAP. (HR STD)			
PA	EXEMPT				

Guadalupe Banda
Cause No. 37-3793-C

Scheduled	Acct	P.	Terr.	T.	I.	Code
C	23530		1-04	3		

Form 250-138C-12

WE THANK YOU FOR YOUR ORDER. THIS IS A COPY AS WE HAVE ENTERED IT. IF NOT CORRECT IN ANY DETAIL, KINDLY ADVISE AT ONCE.

D&E 00662

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION
ERIE, PENNSYLVANIA

S-90755

TO Manning, Maxwell & Moore, Inc.
P. O. Box 1430
Alexandria, La.

DATE August 17, 1965

RE:PROJECT Southwestern Oil & Refining Co,
Corpus Christi, Texas
UIW P . O. #S-90755-68117
Your Order R-90200 & S-90206

Gentlemen:

We are transmitting herewith the following drawings, status described below:

No. Copies	Vendor	Vendor's No.	Rev.	Subject	STATUS** FD	FA	A	AN	N	Add'l Copies Req'd
1	M.M.& Moore	1900-30C					X			
1	M.M.& Moore	CAPS					X			
1	M.M. & Moore	Cert. Sheet					X			
1	M.M. & Moore	214516					X			

*See our notations on "Approved as Noted" and "Not App'd" Drawings
**See Code Below

Remarks

Guadalupe Banda
Cause No. 97-3750-C

Copies to	No.	Drawing Numbers
Purchasing Dept.	---	------
Contract File	---	------

Yours very truly,
UNION IRON WORKS

By W. T. Paulsen-Eng. Dept.

**STATUS CODE
FD - For Distribution Only

D&E 00663

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

STEAM POWER PLANT EQUIPMENT

Date Issued July 19, 1965

S-90755 -F8118

Watson Power Equipment Co.
P.O. Box 4526
Cleveland 24, Ohio

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION
	2	4" Edward #618 Globe Valve F&D 600# (Feed).
	2	4" Edward #690 Check Valve F&D 600# (Feed).
	2	3/4" Edward #848Y Globe Valve (W. Col. Drain).
	4	3/8" Edward #848Y Globe Valve (W. Gage Drain).
	2	3/4" Edward #848Y Globe Valve (Boiler Vent).
	2	1" Edward #4152 Globe Valve (Chem. Feed).
	2	3/8" Edward #848 Globe Valve (St. Sample).
	2	1-1/2" Edward #828 Globe Valve F&D 600# (Suph. Drain).
	2	3/4" Edward #848Y Globe Valve (Suph. Drain).
	2	3/4" Edward #848Y Globe Valve (Econ. Vent).
	2	3/4" Edward #848Y Globe Valve (Econ. Drain).
		No fabrication until drawings are approved. Furnish one (1) transparency of cross section drawings and six (6) copies of part lists, maintenance, installation and operating instructions. Attach tag to indicate service of each item on order.
		Delivery required in our plant during week of November 22, 1965.

ACKNOWLEDGMENT

S.S.

AUG 2 1965

D&E 00664

THIS ACKNOWLEDGMENT MUST BE RETURNED PROMPTLY WITH FIRM PROMISE DATE & PRICE FOR EACH ITEM SHOWN IN LAST COLUMN.

THIS ORDER IS ACCEPTED SUBJECT TO ALL TERMS & CONDITIONS STIPULATED THEREON.

FIRM NAME

SHIPPING DATE

Guadalupe Banda
Cause No. 07-3700-C

D&E 00665

ACKNOWLEDGMENT

CUSTOMER ORDER & DATE: S-90755-68113 7-19-65

TERMS: 2 PCT 10 DAYS NET 30

SHIPMENT SCHEDULED: NO. (DAY) WK. [illegible] 1965

REFER TO: ORDER DATE [illegible] ROCKWELL ORDER [illegible]

TO:
UNION IRON WORKS
ERIE, PENNSYLVANIA

SHIP TO - SAME UNLESS OTHERWISE SHOWN: SAME

Rockwell MANUFACTURING COMPANY

SHIPPED FROM: E CHI

ADDRESS ALL CORRESPONDENCE TO: WATSON POWER EQUIP., PO BOX 4526, CLEVELAND, OHIO

TAX	IND	CNTY	REG ST	DO	BR TER	CUSTOMER	CNTY	REG ST	DO	BR TER	CUSTOMER
4037	66			40	15	8262920	04937	40	15		8262920

QUANTITY ORDERED		PRICE	DESCRIPTION	PERCENT DEDUCTION	PRODUCT CODE	PRODUCT DETAIL
					PDO 1-4015-4015-4015	
2		498.14	/IC/ 4 IN. A618 GLOBE VALVE /SSA /TAG FEED/		04448-00618-000-03-18-1	
2		347.63	/IC/ 4 IN. 690 CHECK VALVE /SSA /TAG FEED/		04448-00690-000-03-18-1	

RE[illegible]VED
JUL [illegible]
8,9,10,11,12,[illegible]

Guadalupe Banda
Cause No. 07-3703-C

SHIP VIA: PPD-RFA-N/C

THIS IS AN EXACT COPY OF YOUR ORDER AS IT IS ENTERED AT OUR PLANT THIS ORDER IS SUBJECT TO TERMS AND CONDITIONS ON REVERSE SIDE

ACKNOWLEDGMENT

405-18-100M-11-64

S-90755

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION
ERIE, PENNSYLVANIA

TO Watson Power Equipment Company
P. O. Box 4526
Cleveland, Ohio

DATE August 17, 1965

RE:PROJECT Southwestern Oil & Refining Co.
Corpus Christi, Texas
S-90755-68118

Gentlemen:

We are transmitting herewith the following drawings, status described below:

No. Copies	Vendor	Vendor's No.	Rev.	Subject	STATUS** FD	FA	A	AN	N	Add'l Copies Req'd
1	Edward Valve	AE-3773-7		[illegible]			X			
1	Edward Valve	BE-3775-5		[illegible]			X			
1	Edward Valve	BE-4384-9		[illegible]			X			
1	Edward Valve	AE-5151		[illegible]			X			
1	Edward Valve	BE-5039-3		[illegible]			X			

*See our notations on "Approved as Noted" and "Not App'd" Drawings
**See Code Below

Remarks

Guadalupe Banda
Cause No. 07-0703-C

Copies to	No.	Drawing Numbers
Contract File	—	—
Purchasing File	—	—

Yours very truly,
UNION IRON WORKS

By W. T. Paulsen-Eng. Dept.

**STATUS CODE

D&E 00666

ACKNOWLEDGMENT

CUSTOMER ORDER # DATE: S-90755-68118 7/19 | TERMS: 2 PCT 10 DAYS | SHIPMENT SCHEDULED MO DAY WK: 11 24 47 | REFER TO ORDER DATE / ROCKWELL ORDER: [illegible]

V 90755

TO: UNION IRON WORKS INC
ERIE PENNSYLVANIA

SHIP TO - SAME UNLESS OTHERWISE SHOWN: UNION IRON WORKS INC
ERIE PENNSYLVANIA

Rockwell MANUFACTURING COMPANY

D&E 00667

SHIPPED FROM: S.S. | ADDRESS ALL CORRESPONDENCE TO: WATSON POWER EQUIP BOX 4526 CLEVELAND OHIO 44124

TAX	IND	CNTY	REG ST	DO	BR TER	CUSTOMER	CNTY	REG ST	DO	BR TER	CUSTOMER
03756			37	40	15	8262920	049	37	40	15	8262920

QUANTITY ORDERED	PRICE	DESCRIPTION	PERCENT DEDUCTION	PRODUCT CODE	PRODUCT DETAIL
					PDO 1-4015-4015-4015
2	16.78	3/4 IN 848Y VALVE-SOCKET WELD			04447-00848-511-19-06-1
		TAG - W. COL. DRAIN			
4	14.10	3/8 IN 848Y VALVE SOCKET WELD			04447-00848-511-19-03-1
		TAG - W. GAGE DRAIN			
2	16.78	3/4 IN 848Y VALVE-SOCKET WELD			04447-00848-511-19-06-1
		TAG - BOILER VENT			
2	38.40	1 IN 4152 VALVE			04447-04152-000-19-08-1
		TAG - CHEM. FEED			
2	14.10	3/8 IN 848 VALVE			04447-00848-000-19-03-1
		TAG - ST. SAMPLE			
2	68.24	1-1/2 IN 828 VALVE			04447-00828-000-19-10-1
		TAG - SUPH. DRAIN			

RECEIVED
AUG - 1965
8,9,10,11,12,1,2,3,4,5

Guadalupe Banda
Cause No. 97-3703-C

CONTINUED ON PAGE NO. 2

THIS IS AN EXACT COPY OF YOUR ORDER AS IT IS ENTERED AT OUR PLANT. THIS ORDER IS SUBJECT TO TERMS AND CONDITIONS ON REVERSE SIDE

ACKNOWLEDGMENT

D&E 00668

ACKNOWLEDGMENT

CUSTOMER ORDER & DATE: S-90755-68118 7/19

TERMS:

SHIPMENT SCHEDULED: MO | DAY | WK

REFER TO: ORDER DATE | ROCKWELL ORDER

TO: UNION IRON WORKS

SHIP TO - SAME UNLESS OTHERWISE SHOWN: CONTINUED FROM PAGE NO. 1

Rockwell MANUFACTURING COMPANY

SHIPPED FROM | ADDRESS ALL CORRESPONDENCE TO

INV | TAX | IND | CNTY | REG ST | D O | BR TER | CUSTOMER | CNTY | REG ST | D O | BR TER | CUSTOMER

QUANTITY ORDERED	PRICE	DESCRIPTION	PERCENT DEDUCTION	PRODUCT CODE	PRODUCT DETAIL
2	16.78	3/4 IN 848Y VALVE-SOCKET WELD TAG - SUPH. DRAIN			04447-00848-511-19-06-1
2	16.78	3/4 IN 848Y VALVE-SOCKET WELD TAG - ECON. VENT			04447-00848-511-19-06-1
2	16.78	3/4 IN 848Y VALVE-SOCKET WELD TAG - ECON. DRAIN			04447-00848-511-19-06-1

MARK - S-90755-68118

1 TRANSPARENCY, 6 COPIES PART LISTS, MAINTENANCE, INSTALL, & OP INSTRUCT. ATTACH TAG TO INDICATE SERVICE OF EACH ITEM ON ORDER.

RECEIVED
AUG 965
8,9,10,11,12,1,2,3,4,5

Guadalupe Banda
Cause No. 07-3733-C

SHIP VIA

COLLECT

THIS IS AN EXACT COPY OF YOUR ORDER AS IT IS ENTERED AT OUR PLANT. THIS ORDER IS SUBJECT TO TERMS AND CONDITIONS ON REVERSE SIDE

ACKNOWLEDGMENT

PACKING LIST

ORDER & DATE: 755-60118 7/19 | TERMS: 2 PCT 10 DAYS | 112267

REFER TO: ORDER DATE | ROCKWELL ORDER

TO:
UNION IRON WORKS INC
ERIE PENNSYLVANIA

SHIP TO - SAME UNLESS OTHERWISE SHOWN
UNION IRON WORKS INC
ERIE PENNSYLVANIA

Rockwell MANUFACTURING COMPANY

D&E 00669

Guadalupe Banda
Cause No. 97-37302-C

SHIPPED FROM: ADDRESS ALL CORRESPONDENCE TO
S.S. WATSON POWER EQUIP BOX 4526 CLEVELAND OHIO 44124

TAX	IND	CNTY	REG ST	D O	BR TER	CUSTOMER	CNTY	REG ST.	D O	BR TER	CUSTOMER
03796			37	40	15	82	92	92	04	37	40	15	82	92	20

QUANTITY ORDERED	QUANTITY SHIPPED	QUANTITY BACK ORDERED	DESCRIPTION	PRODUCT CODE	PRODUCT DETAIL
				PBO	1-4015-4015-4015
2			3/4 IN 848Y VALVE-SOCKET WELD		04447-00848-511-19-06-1
			TAG - W. COL. DRAIN		
4			3/8 IN 848Y VALVE SOCKET WELD		04447-00848-511-19-03-1
			TAG - W. BASE DRAIN		
2			3/4 IN 848Y VALVE-SOCKET WELD		04447-00848-511-19-06-1
			TAG - BOILER VENT		
2			1 IN 4152 VALVE		04447-04152-000-15-08-1
			TAG - CHEM. FEED		
2			3/8 IN 848 VALVE		04447-00848-000-19-03-1
			TAG - ST. SAMPLE		
2			1-1/2 IN 828 VALVE		04447-00828-000-19-10-1
			TAG - SUPH. DRAIN		

Ship to Mr. Brad Crump
Water G1-13742

TRANS. CHGS.
INSURANCE
CARTONS
WEIGHT

SHIPPED VIA | HOW SHIPPED | INSTRUCTIONS | DATE SHIPPED

THIS IS AN EXACT COPY OF YOUR ORDER AS IT IS ENTERED AT OUR PLANT. THIS ORDER IS SUBJECT TO TERMS AND CONDITIONS ON REVERSE SIDE

PACKING LIST

PACKING LIST

CUS ORDER & DATE: S-90755-68118 7/19 | TERMS | REFER TO ORDER DATE / ROCKWELL ORDER: S-90755

TO: UNION IRON WORKS

SHIP TO - SAME UNLESS OTHERWISE SHOWN

CONTINUED FROM PAGE NO. 1

Rockwell MANUFACTURING COMPANY

Guadalupe Banda
Cause No. 97-37930

D&E 00670

SHIPPED FROM | ADDRESS ALL CORRESPONDENCE TO

QUANTITY ORDERED	QUANTITY SHIPPED	QUANTITY BACK ORDERED	DESCRIPTION	PRODUCT CODE	PRODUCT DETAIL
2			3/4 IN BABY VALVE-SOCKET WELD		04447-00848-511-15-66-T
			TAG - SUPH. DRAIN		
2			3/4 IN BABY VALVE-SOCKET WELD		04447-00848-511-15-66-T
			TAG - ECON. VENT		
2			3/4 IN BABY VALVE-SOCKET WELD		04447-00848-511-15-66-T
			TAG - ECON. DRAIN		
			MARK - S-90755-68118		
			1 TRANSPARENCY, 6 COPIES PART LISTS, MAINTENANCE, INSTALL, & OP INSTRUCT. ATTACH TAG TO INDICATE SERVICE OF EACH ITEM ON ORDER.		

TAX | IND | CNTY | REG ST | DO | BR TER | CUSTOMER | CNTY | REG ST | DO | BR TER | CUSTOMER

TRANS CHGS | INSURANCE | CARTONS | WEIGHT

SHIPPED VIA | HOW SHIPPED | REFERENCE NO. | DATE SHIPPED

THIS IS AN EXACT COPY OF YOUR ORDER AS IT IS ENTERED AT OUR PLANT. THIS ORDER IS SUBJECT TO TERMS AND CONDITIONS ON REVERSE SIDE

PACKING LIST

PACKING LIST

RED BALL - DALLAS/ROADWAY - DEST

CUSTOMER ORDER & DATE	TERMS	REFER TO ORDER DATE	REFER TO ROCKWELL ORDER
S-90755-68118 7/19	2 PCT 10 DAYS	112247 [illegible]	[illegible]

S90755

TO
UNION IRON WORKS INC
ERIE PENNSYLVANIA

SHIP TO - SAME UNLESS OTHERWISE SHOWN
UNION IRON WORKS INC
ERIE PENNSYLVANIA

Rockwell MANUFACTURING COMPANY

SHIPPED FROM / ADDRESS ALL CORRESPONDENCE TO
S.S. WATSON POWER EQUIP BOX 4526 CLEVELAND OHIO 44124

TAX	NO	CNTY	REG ST	D O	BR TER	CUSTOMER	CNTY	REG ST	D O	BR TER	CUSTOMER
03766			37	40	15	82	62	92	80	49	87

QUANTITY ORDERED	QUANTITY SHIPPED	QUANTITY BACK ORDERED	DESCRIPTION	PRODUCT CODE	PRODUCT DETAIL
					PDO 1-4015-4015-4015
4	4		3/8 IN 848V VALVE SOCKET WELD TAG W GAGE DRAIN		04447-00848-511-19-03-1
2		2	1 IN 4152 VALVE TAG CHEM FEED		04447-04152-000-19-08-1
2		2	3/8 IN 848 VALVE TAG ST SAMPLE		04447-00848-000-19-03-1
2	2		1-1/2 IN 828 VALVE TAG SUPH DRAIN		04447-00828-000-19-10-1

MARK S-90755-68118

1 TRANSPARENCY 6 COPIES PART LISTS MAINTENANCE, INSTALL & OP INSTRUCT. ATTACH TAG TO INDICATE SERVICE OF EACH ITEM ON ORDER.

2 [illegible]
1 [illegible]

TRANS CHGS
INSURANCE
CARTONS
WEIGHT

REPLACES | HOW SHIPPED | REFERENCE | DATE SHIPPED

THIS IS AN EXACT COPY OF YOUR ORDER AS IT IS ENTERED AT OUR PLANT. THIS ORDER IS SUBJECT TO TERMS AND CONDITIONS ON REVERSE SIDE

PACKING LIST

Guadalupe Banda
Cause No. 97-3793-C

D&E 00671

5-90755

D&E 00672

Guadalupe Banda
Cause No. 97-3790-C

PACKING LIST

CUSTOMER ORDER & DATE	TERMS		REFER TO ORDER DATE	REFER TO ROCKWELL ORDER
[illegible] 7-19-65	2 PCT 10 DAYS NET 30	111546 1965	[illegible]	[illegible]

TO:
UNION IRON WORKS
ERIE, PENNSYLVANIA

SHIP TO - SAME UNLESS OTHERWISE SHOWN
SAME

Rockwell MANUFACTURING COMPANY

SHIPPED FROM: E CHI
ADDRESS ALL CORRESPONDENCE TO: NATION POWER EQUIP., PO BOX 4526, CLEVELAND, OHIO

IN	TAX	IND	CNTY	REG ST	D O	BR TER	CUSTOMER	CNTY	REG ST	D O	BR TER	CUSTOMER
403766					40	15	8262920	04	9	37	40	15 8262920

QUANTITY ORDERED	QUANTITY SHIPPED	QUANTITY BACK ORDERED	DESCRIPTION	PRODUCT CODE	PRODUCT DETAIL
					PDO 1-4015-4015-4015
2	2		/IC/ 4 IN. A618 GLOBE VALVE /SSA /TAG FEED/		04448-00618-000-03-18-1
2	2		/IC/ 4 IN. 690 CHECK VALVE /SSA /TAG FEED/		04448-00690-000-03-18-1

2-244
2-196
4 600

TRANS CHGS 994

INSURANCE

CARTONS

WEIGHT

SHIPPED VIA: Roadway

HOW SHIPPED

REFERENCE NO

DATE SHIPPED

THIS IS AN EXACT COPY OF YOUR ORDER AS IT IS ENTERED AT OUR PLANT. THIS ORDER IS SUBJECT TO TERMS AND CONDITIONS ON REVERSE SIDE

PACKING LIST

D&E 00673

Guadalupe Banda
Cause No. 97-3798-C

PACKING LIST

CUSTOMER ORDER & DATE	TERMS		REFER TO ORDER DATE	REFER TO ROCKWELL ORDER
S-90755-68118 7/19	2 PCT 10 DAYS	112247	[illegible]	[illegible]

TO:
UNION IRON WORKS INC
ERIE PENNSYLVANIA

SHIP TO - SAME UNLESS OTHERWISE SHOWN
UNION IRON WORKS INC
ERIE PENNSYLVANIA

S 90755 PP

Rockwell
MANUFACTURING COMPANY

SHIPPED FROM: S.S. WATSON POWER EQUIP BOX 4526 CLEVELAND OHIO 44124

ADDRESS ALL CORRESPONDENCE TO

TAX	IND	CNTY	ST	DO	TER	CUSTOMER	CNTY	ST	DO	TER	CUSTOMER
03766		37	40	15	8262920		04	37	40	15	8262920

QUANTITY ORDERED	QUANTITY SHIPPED	QUANTITY BACK ORDERED	DESCRIPTION	PRODUCT CODE	PRODUCT DETAIL
				PBO	1-4015-4015-4015
2	2		1 IN 4152 VALVE TAG CHEM FEED		04447-04152-000-19-08-1
2		2	3/8 IN 848 VALVE TAG ST SAMPLE		04447-00848-000-19-03-1

MARK S-90755-68118

1 TRANSPARCENCY 6 COPIES PART LISTS MAINTENNACE, INSTALL & OP INSTRUCT ATTACH TAG TO INDICATE SERVICE OF EACH ITEM ON ORDER.

TRANS CHGS
INSURANCE
CARTONS
WEIGHT

SHIPPED A | HOW SHIPPED | REFERENCE NO. | DATE SHIPPED

THIS IS AN EXACT COPY OF YOUR ORDER AS IT IS ENTERED AT OUR PLANT. THIS ORDER IS SUBJECT TO TERMS AND CONDITIONS ON REVERSE SIDE

PACKING LIST

PACKING LIST

S-90755

CUSTOMER ORDER & DATE	TERMS		REFER TO ORDER DATE	REFER TO ROCKWELL ORDER
S-90755-68118 7/19	2 PCT 10 DAYS	112247	[redacted]	

TO:
UNION IRON WORKS INC
ERIE PENNSYLVANIA

SHIP TO - SAME UNLESS OTHERWISE SHOWN
UNION IRON WORKS INC
ERIE PENNSYLVANIA

Rockwell MANUFACTURING COMPANY

D&E 00674

Guadalupe Banda
Cause No. 97-3790-C

SHIPPED FROM: S.S. WATSON POWER EQUIP BOX 4626 CLEVELAND OHIO 44124

ADDRESS ALL CORRESPONDENCE TO

TAX	IND	CNTY	ST	D O	TER	CUSTOMER	CNTY	ST	D O	TER	CUSTOMER
03766			37	40	15	8262920	049	37	40	15	8262920

QUANTITY ORDERED	QUANTITY SHIPPED	QUANTITY BACK ORDERED	DESCRIPTION	PRODUCT CODE	PRODUCT DETAIL
					PBO 1-4015-4015-4015
2	2		3/8 IN 848 VALVE NS 1-22-61 NS 10/5-63		04447-00848-000-19-03-1
			MARK S-90755-68118		
			1 TRANSPARENCY 6 COPIES PARTS LISTS MAINTENANCE INSTALL & OP INST ATTACH TAG TO INDICATE SERV OF EA ITEM ON ORDER		

TRANS CHGS

INSURANCE

CARTONS

WEIGHT

SHIPPED VIA | HOW SHIPPED | REFERENCE NO | DATE SHIPPED

THIS IS AN EXACT COPY OF YOUR ORDER AS IT IS ENTERED AT OUR PLANT. THIS ORDER IS SUBJECT TO TERMS AND CONDITIONS ON REVERSE SIDE

PACKING LIST

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

STEAM POWER PLANT EQUIPMENT

PURCHASING DEPT. COPY

Date Issued July 19, 1965

S-90755 -68120

Yarnall-Waring Company
102 E. Mermaid Lane
Philadelphia, Pennsylvania

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION	DATE RECEIVED
	6	1" Yarway #5925F Welbond Valve (B.O.)	
		Above to be suitable for outdoor use. (Weatherproof).	
		No fabrication until drawings are agroved. Furnish one (1) transparency of cross section dawings and six (6) copie of part lists, maintenance, installation and operating instructions. Attach tag to indicate service of each item on order.	
		Delivery required in our plant during week of November 22, 1965.	

CAR NO. _____ VIA _____

WEIGHT _____ CHARGES _____

Guadalupe Banda
Cause No. 97-3793-C

D&E 00675

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

STEAM POWER PLANT EQUIPMENT

Date Issued July 19, 1965

S-90755 -68120

Yarnall-Waring Company
102 E. Mermaid Lane
Philadelphia, Pennsylvania

Ship - CHEAPEST WAY- unless specified below

RECEIVED AT ERIE SEP 2 1965

ITEM	QUANTITY	DESCRIPTION	
	6	1" Yarway #5925F Welbond Valve (B.O.)	8,9,10,11,12, 1,2,3,4,5

Above to be suitable for outdoor use. (Weatherproof).

No fabrication until drawings are approved. Furnish one (1) transparency of cross section drawings and six (6) copies of part lists, maintenance, installation and operating instructions. Attach tag to indicate service of each item on order.

Delivery required in our plant during week of November 22, 1965.

ACKNOWLEDGMENT

THIS ACKNOWLEDGMENT MUST BE RETURNED PROMPTLY WITH FIRM PROMISE DATE & PRICE FOR EACH ITEM SHOWN IN LAST COLUMN.

THIS ORDER IS ACCEPTED SUBJECT TO ALL TERMS & CONDITIONS STIPULATED THEREON.

D&E 00676

FIRM NAME Yarnall Waring SHIPPING DATE 10/6/65

YOUR ORDER NO. J. Moynahan

ACCEPTED BY J Moynahan 8/31/65

Gusdalupe Banda
Cause No. 97-3793-C

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

STEAM POWER PLANT EQUIPMENT

PURCHASING DEPT. COPY

Date Issued July 19, 1965

S-90755 -68121

Manning, Maxwell & Moore, Inc.
250 East Main Street
Stratford, Connecticut

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION	DATE RECEIVED
	2	12" Ashcroft #1377A Steam Gage (0-800#) 1/2" back conn. with 1/2" 10988 siphon (Boiler).	
	2	8-1/2" Ashcroft #1377A SteamGauge (0-800#) 1/2" back conn. with 1/2" 10988 siphon (Sphtr.)	
		All above to be suitable for outdoor use (weatherproof).	
		No fabrication until drawings are approved. Furnish one (1) transparency of cross section drawings and six (6) copies of part lists, maintenance, installation and operating instructions. Attach tag to indicate service of each item on order.	
		Delivery required in our plant during week of November 22, 1965.	

CAR NO. _____ VIA _____

WEIGHT _____ CHARGES _____

Guadalupe Banda
Cause No. 07-3703-C

Cause No. 07-3703-C

D&E 00677

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

RECEIVED AT ERIE

AUG 2 1965

STEAM POWER PLANT EQUIPMENT

Date Issued July 19, 1965

8,9,10,11,12,1,2,3,4,5

S-90755-68121

Manning, Maxwell & Moore, Inc.
250 East Main Street
Stratford, Connecticut

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION
	2	12" Ashcroft #1377A Steam Gage (0-800#) 1/2" back conn. with 1/2" 1093S siphon (Boiler).
	2	8-1/2" Ashcroft #1377A SteamGauge (0-800#) 1/2" back conn. with 1/2" 1098S siphon (Sphtr.)
		All above to be suitable for outdoor use (Weatherproof).
		No fabrication until drawings are approved. Furnish one (1) transparency of cross section drawings and six (6) copies of part lists, maintenance, installation and operating instructions. Attach tag to indicate service of each item on order.
		Delivery required in our plant during week of November 22, 1965.

ACKNOWLEDGMENT

Our [illegible] copy of this [illegible] delivery schedule will [illegible] to you within a [illegible]

[illegible] Maxwell & Moore
A Division of Dresser Industries, Inc.

THIS ACKNOWLEDGMENT MUST BE RETURNED PROMPTLY WITH FIRM PROMISE DATE & PRICE FOR EACH ITEM SHOWN IN LAST COLUMN.

THIS ORDER IS ACCEPTED SUBJECT TO ALL TERMS & CONDITIONS STIPULATED THEREON.

Guadalupe Banda
Cause No. 97-3793-C

FIRM NAME

SHIPPING DATE

ACCEPTED BY

YOUR ORDER NO.

D&E 00678

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

STEAM POWER PLANT EQUIPMENT

PURCHASING DEPT. COPY

Date Issued July 19, 1965

S-90755-68122

Lake Erie Pipe & Supply Co.
660 East 12th Street
Erie, Pennsylvania

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION	DATE RECEIVED
	2	1" Hancock #5525F Flo Control Valve F&D 600# (C.B.O.)	
	4	1-1/4" Hancock #970W-WC Water Col. Shutoff Valve with Lock.	
		All above to be suitable for outdoor use (Weatherproof).	
		No fabrication until drawings are approved. Furnish one transparency of cross section drawings and six (6) copies of part lists, maintenance, installation and operating instructions. Attach tag to indicate service of each item on order.	
		Delivery required in our plant during week of November 22, 1965.	

Guadalupe Banda
Cause No. 97-3793-C

CAR NO. _____ VIA _____

WEIGHT _____ CHARGES _____

D&E 00679

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

RECEIVED AT ERIE JUL 21 1965

STEAM POWER PLANT EQUIPMENT

Date Issued July 19, 1965

S-90755-681

Lake Erie Pipe & Supply Co.
660 East 12th Street
Erie, Pennsylvania

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION
	2	1" Hancock #5525F Flo Control Valve F&D 600# (C.B.O.)
	4	1-1/4" Hancock #970W-WC Water Col. Shutoff Valve with Lock.
		All above to be suitable for outdoor use (Weatherproof).
		No fabrication until drawings are approved. Furnish one transperency of cross section drawings and six (6) copies of part lists, maintenance, installation and operating instructions. Attach tag to indicate service of each item on order.
		Delivery required at our plant during week of November 22, 1965.

ACKNOWLEDGMENT COPY

Guadalupe Banda
Cause No. 97-3793-C

THIS ACKNOWLEDGEMENT MUST BE RETURNED PROMPTLY WITH FIRM PRICE, DATE & PRICE FOR EACH ITEM SHOWN IN LAST COLUMN.

THIS ORDER IS ACCEPTED SUBJECT TO ALL TERMS & CONDITIONS STIPULATED THEREON.

FIRM NAME

SHIPPING DATE

YOUR ORDER NO.

ACCEPTED BY

D&E 00680

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

STEAM POWER PLANT EQUIPMENT

PURCHASING DEPT. COPY

Date Issued **July 19, 1965**

S-90755-68119

Clark-Reliance Corporation
c/o Waldrip Blankenburg & Co.
7650 Chippewa Road
Brecksville, Ohio
44141

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION	DATE RECEIVED
	4	Sets Reliance #SG-860 Water Gage Valves.	
	4	Reliance FG-909 Flat Glass Inserts for use with above valves (23" centerline to centerline valves, with normal water level 11-1/2" above centerline lower valve).	
	4	Direct vision hoods for above gages with illuminators.	
	2	Floor Stands with Mirror.	
	2	Intermediate Mirros.	
		All above to be suitable for outdoor use.	
		No fabrication until drawings are approved. Furnish one (1) transparency of cross section drawings and six (6) copies of part lists, maintenance, installation and operating instructions. Attach tag to indicate service of each item on order.	
		Delivery required in our plant during week of November 22, 1965.	

Guadalupe Banda
Cause No. 07-3703-C

CAR NO. _____ VIA _____

WEIGHT _____ CHARGES _____

D&E 00681

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

RECEIVED AT ERIE

SEP 9 1965

8,9,10,11,12,1,2,3,4,5

STEAM POWER PLANT EQUIPMENT

Date Issued July 19, 1965

S-90755 -68119

Clark-Reliance Corporation
c/o Waldrip Blankenburg & Co.
7650 Chippewa Road
Brecksville, Ohio
44141

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION
	4	Sets Reliance #SG-860 Water Gage Valves.
	4	Reliance FG-909 Flat Glass Inserts for use with above valves (23" centerline to centerline valves, with normal water level 11-1/2" above centerline lower valve).
	4	Direct vision hoods for above gages with illuminators.
	2	Floor Stands with Mirror.
	2	Intermediate Mirros.
		All above to be suitable for outdoor use.
		No fabrication until drawings are approved. Furnish one (1) transparency of cross section drawings and six (6) copies of part lists, maintenance, installation and operating instructions. Attach tag to indicate service of each item on order.
		Delivery required in our plant during week of November 22, 1965.

ACKNOWLEDGMENT

Guadalupe Banda
Cause No. 07-3703-C

THIS ACKNOWLEDGMENT MUST BE RETURNED PROMPTLY WITH FIRM PROMISE DATE & PRICE FOR EACH ITEM SHOWN IN LAST COLUMN.

THIS ORDER IS ACCEPTED SUBJECT TO ALL TERMS & CONDITIONS STIPULATED THEREON.

FIRM NAME THE CLARK

YOUR ORDER NO. C 8985

SHIPPING DATE 4/11/1

ACCEPTED BY C. Wordles

D&E 00682

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION
ERIE, PENNSYLVANIA

S-90155

TO Clark-Reliance Corp.
c/o Waldrip-Blankenburg & Co.
7650 Chippewa Rd.
Brecksville, Ohio 44141

DATE August 17, 1965

RE:PROJECT Southwestern Oil & Refining Co.
Corpus Christi, Texas
UIW P.O. #8-90755-68119

Gentlemen:

We are transmitting herewith the following drawings, status described below:

No. Copies	Vendor	Vendor's No.	Rev.	Subject	STATUS** FD	FA	A	AN	N	Add'l Copies Req'd
1	Clark-Reliance	B-9201-2					X			
1	Clark-Reliance	B-3959-2					X			
1	Rel.-Gauge	A-5433					X			
1	Clark-Reliance	B-7013-1					X			
1	Clark-Reliance	B-7010-5					X			

*See our notations on "Approved as Noted" and "Not App'd" Drawings
**See Code Below

Remarks .....

Copies to	No.	Drawing Numbers
Contract File	—	—
Purchasing File	—	—

Yours very truly,
UNION IRON WORKS

By .....
W. T. Paulsen-Eng. Dept.

**STATUS CODE
FD - For Distribution Only
FA - For Approval
A - Approved
AN - Approved as Noted
N - Not Approved

D&E 00683

Guadalupe Banda
Cause No. 97-3703-C

FORM DTP - 2

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

STEAM POWER PLANT EQUIPMENT

PURCHASING DEPT. COPY

Date Issued July 19, 1965

S-90755-68125

H.O. Trerice Company
1420 W. Lafayette Blvd.
Detroit, Michigan
48216

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION	DATE RECEIVED
	2	Trerice BX-12408 Industrial Thermometer - Straight Form - with 3/4" N.P.T. Steel Union Hub #2-4-3 - Range 200 - 950°F - 18" stem length (For sup. tr.)	
	2	Trerice BX-12406 Industrial Thermometer - Straight Form - with 3/4" N.P.T. Steel Union Hub #2-4-3 - Range 100 - 550°F - 6" stem length (For Econ.)	
		Delivery required in our plant by August 27, 1965.	

Guadalupe Banda
Cause No. 97-3730-C

CAR NO. _____ VIA _____

WEIGHT _____ CHARGES _____

D&E 00684

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

STEAM POWER PLANT EQUIPMENT

CHANGE ORDER NO. 1 APPLYING TO PURCHASE ORDER NO. S-90755-68125

H.O. Trerice Company
1420 W. Lafayette Blvd.
Detroit, Michigan
48216

Date July 29, 1965

ITEM	PLEASE CHANGE OUR ORDER AS FOLLOWS AND RETURN SIGNED COPY

Change Item #1 from BX 12408 to BX 12406.

Please signone (1) copy of change order and return to us.

Guadalupe Banda
Cause No. 97-3799-C

Accepted By _____

Date _____ By _____

UNION IRON WORKS

_____
PURCHASING AGENT

D&E 00685

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

STEAM POWER PLANT EQUIPMENT

PURCHASING DEPT. COPY

Date Issued **July 19, 1965**

S-90755 -68126

Struthers Wells Corporation
Titusville Division
Titusville, Pennsylvania

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION	DATE RECEIVED
		Cold roll six (6) cylinders each 42" I.D. x 9' 8-3/8" long x 1-5/16" thick. U.I.W. will furnish s. (6) - ASTM-A-212 Gr. B Firebox Steel Plates (normalized) 1-5/16" x 117-1/2" x 138-1/2" f.o.b. your shop. **Struthers Wells to bevel all edges in accordance to U.I.W. Drawing SK-71665-42, roll, fit and tack weld longitudinal seams.** **Material will be delivered approx. Sept. 3, 1965.** **Delivery required in our plant within two (2) weeks.** **Sketch attached.**	

Guadalupe Banda
Cause No. 97-3793-C

CAR NO. _____ VIA _____

WEIGHT _____ CHARGES _____

D&E 00686

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

RECEIVED

JUL 9 1965

STEAM POWER PLANT EQUIPMENT

8,9,10,11,12,1,2,3,4,5

Date Issued July 19, 1965

S-90755 - 68126

Struthers Wells Corporation
Titusville Division
Titusville, Pennsylvania

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION
		Cold roll six (6) cylinders each 42" I.D. x 9' 8-3/8" long x 1-5/16" thick. U.I.W. will furnish six (6) - ASTM-A-212 Gr. B Firebox Steel Plates (normalized) 1-5/16" x 117-1/2" x 138-1/2" f.o.b. your shop. Struthers Wells to bevel all edges in accordance to U.I.W. Drawing SK-71665-42, roll, fit and tack weld longidudinal seams. Material will be delivered approx. Sept. 3, 1965. Delivery required in our plant within two (2) weeks. Sketch attached.

ACKNOWLEDGMENT

Guadalupe Banda
Cause No. 97-3788-C

THIS ACKNOWLEDGMENT MUST BE RETURNED PROMPTLY WITH FIRM PRICE, DATE & PRICE FOR EACH ITEM SHOWN IN LAST COLUMN.

THIS ORDER IS ACCEPTED SUBJECT TO ALL TERMS & CONDITIONS STIPULATED THEREON.

FIRM NAME Struthers Wells SHIPPING DATE

JR ORDER NO. 48-223C

ACCEPTED BY George H. Bayle

D&E 00687

Form 218-A

S 7755

ACKNOWLEDGMENT

STRUTHERS WELLS CORPORATION
TITUSVILLE, PENNA.

CHARGE TO: UNION IRON WORKS
ERIE, PENNSYLVANIA

S. W. C. ORDER NO.: 48-2230

RECEIVED
JUL 2. 1965
8,9,10,11,12,1,2,3,4,5

SHIP TO: ABOVE

CUSTOMER'S ORDER NO.: S-90755-68126

CUSTOMER'S DATE: 7/19/65

ROUTING: DANIELS COLLECT

DATE ENTERED: 7/21/65

FREIGHT: FOB TITUSVILLE, FRT. NOT ALLOWED

TERMS: 30 DAYS NET

SHIPMENT DESIRED: 2 WKS AFTER MAT'L

We thank you for your order which has been entered exactly as described herein. Please check with your order to be sure that we have correctly interpreted your requirements.

Subject to provisions on reverse side.

SHIPMENT SCHEDULED	SALES OFFICE	S. O. No.	PRODUCT	L. T.	S. N.
AS NOTED	TITUSVILLE			2	

QUANTITY	DESCRIPTION AND SPECIFICATIONS	PRICE
6	CYLINDERS, 42" ID x 1-5/16" x 9'-6-3/8" LG CUST. TO FURNISH 6 PLATES 1-5/16" x 117-1/2" x 138-1/2" OF A-212 "B" F.B. STRUTHERS WELLS TO BEVEL ALL EDGES, ROLL, FIT AND TACK WELD THE LONGIT. SEAMS, PER CUST. SKETCH SK-71665-42 MATERIAL DUE IN OUR PLANT APPROX SEPT. 3	$ 1,560.00 LOT

UNION IRON WORKS

48-2230

Guadalupe Banda
Cause No. 97-3793-C

D&E 00688

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

STEAM POWER PLANT EQUIPMENT

PURCHASING DEPT. COPY

Date Issued July 19,1965

S-90755 -68127

Magnetrol, Inc.
5300 Belmont Road
Downers Grove, Illinois
60515

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION	DATE RECEIVED
	2	Magnetrol Model W-601-X-[illegible] Water Column Per U.I.W. Drawing SK-71565 WC (For 600# Design Pressure).	
		All above to be weatherproof for outdoor installation.	
		Delivery required in our plant during week of November 22, 1965.	
		Sketch attached.	

A. D. Payne - Houston

Guadalupe Banda
Cause No. 97-3792-C

CAR NO. _____ VIA _____

WEIGHT _____ CHARGES _____

D&E 00689

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

STEAM POWER PLANT EQUIPMENT

CHANGE ORDER NO. 1 APPLYING TO PURCHASE ORDER NO. S-90755-68127

Magnetrol, Inc.
5300 Belmont Road
Downers Grove, Illinois
60515

Date February 9, 1966

ITEM	PLEASE CHANGE OUR ORDER AS FOLLOWS AND RETURN SIGNED COPY

Please change shipping instructions as follows:

Ship via: Motor Frt. - Prepaid direct to:

Southwestern Oil & Refining Co.
Corpus Christi, Texas

Attn: Power House

Mark: Southwestern P.O. #56026

Please sign one (1) copy of change order and return to us.

Guadalupe Banda
Cause No. 97-3790-C

Accepted By _____

Date _____ By _____

UNION IRON WORKS

_____
PURCHASING AGENT

D&E 00690

S-9s 7JJ

MAGNETROL INC.

5300 BELMONT ROAD — DOWNERS GROVE, ILLINOIS 60515 — AREA 312-969-4000

LIQUID LEVEL AND FLOW CONTROLS MAGNETROL A SUBSIDIARY OF SCHAUB ENGINEERING CO

CUSTOMER ACKNOWLEDGEMENT

CUST. ORDER NO.	MARKING	PRODUCTION NO. AND DATE
S-90755-68127		II DG M 134770 7/22/65

IMPORTANT
REFER TO PRODUCTION NO. IN ALL CORRESPONDENCE RELATING TO THIS ORDER.

RECEIVED JUL 2 1965

AGENT: Illes

8,9,10,11,12,1,2,3,4,5

SOLD TO: Union Iron Works
Erie, Pennsylvania

SHIP TO: Same

WE ACKNOWLEDGE WITH THANKS RECEIPT OF YOUR ORDER WHICH WE HAVE ENTERED FOR PRODUCTION SUBJECT TO THE TERMS AND CONDITIONS STATED ON THE REVERSE SIDE. IF INCORRECT IN ANY WAY PLEASE INFORM US AT ONCE.

TERMS: 30 DAYS NET

SCHEDULED SHIPPING DATE: 1-22-65

SHIP VIA, FRT. CHARGES: Cheapest Way

F.O.B.: Factory

QUANTITY ORDERED	DESCRIPTION	UNIT PRICE	AMOUNT	TOTAL
2	Model W-601-VP-TDM-HF-X-3 MAGNETROL 3/4" 900# RF-FS and 1½" 600# RF-FS Flanges Special Construction DPST Switches, Chamber & Cover Extension	580.00	1160.00	
		Less 25%		870.00
	Plus	50.00	100.00	
		Less 25%		75.00
	Plus Flange Extra	72.70	Net	145.40
				1090.40

THIS IS NOT AN INVOICE

M-2

Guadalupe Banda
Cause No. 97-3783-C

D&E 00691

S-70155

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION
ERIE, PENNSYLVANIA

TO Magnetrol, Inc.
5300 Belmont Road
Downers Grove, Illinois 60515

DATE February 11, 1966

RE:PROJECT Southern Oil & Refining Co.
Corpus Christi, Texas
S-70755-68127

Gentlemen:

We are transmitting herewith the following drawings, status described below:

No. Copies	Vendor	Vendor's No.	Rev.	Subject	STATUS** FD	FA	A	AN	N	Add'l Copies Req'd
1	Magnetrol	D-1362					X			

*See our notations on "Approved as Noted" and "Not App'd" Drawings
**See Code Below

Remarks

Copies to	No.	Drawing Numbers
Contract File		
Purchasing		

**STATUS CODE
FD - For Distribution Only
FA - For Approval
A - Approved
AN - Approved as Noted
N - Not Approved

Yours very truly,
UNION IRON WORKS

By
W. T. Paulsen
Engineering Department

D&E 00692

Guadalupe Banda
Cause No. 07-3700-C

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

STEAM POWER PLANT EQUIPMENT

PURCHASING DEPT. COPY

Date Issued July 19, 1965

S-90755-68128

Pall Trinity Corporation
West Road
Cortland, New York

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION	DATE RECEIVED
	2	Trinity #T-149 Type C Therwowell with "A" Dimension = 6". Lagging extension increased by "X" Dimension = 1-1/4", making total overall length = 8-1/2" - steel - See markedup print of Trinity Dwg. T-149 (For Suphtr.)	
	4	Trinity #T-149 Type C Thrwowell with "A" Dimension = 4-1/2". Lagging extension increased by "X" dimension = 1-1/4" making total overall length of well = 7" - Steel - See markedup print of Trinity Dwg. T-149 (For Econ.)	
		Delivery required in our plant by August 27, 1965.	
		Prints attached.	

Guadalupe Banda
Cause No. 07-3700-C

CAR NO. _____ VIA _____

WEIGHT _____ CHARGES _____

D&E 00693

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

STEAM POWER PLANT EQUIPMENT

CHANGE ORDER NO. 1 APPLYING TO PURCHASE ORDER NO. S-90755-68128

Pall Trinity Corporation
West Road
Cortland, New York

Date July 29, 1965

ITEM	PLEASE CHANGE OUR ORDER AS FOLLOWS AND RETURN SIGNED COPY
	Cancel subject order in its entirety.

Please sign one (1) copy of change order and return to us.

Guadalupe Banda
Cause No. 97-3700-C

Accepted By _____

Date _____ By _____

UNION IRON WORKS

_____

D&E 00694

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

STEAM POWER PLANT EQUIPMENT

Date Issued July 19, 1965

S-90755-68128

Pall Trinity Corporation
West Road
Cortland, New York

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION
	2	Trinity #T-149 Type C Thermowell with "A" Dimension = 6". Lagging extension increased by "X" Dimension = 1-1/4", making total overall length = 8-1/2" - steel - See markedup print of Trinity Dwg. T-149 (For Suphtr.)
	4	Trinity #T-149 Type C Thrmowell With "A" Dimension = 4-1/2". Lagging extension increased by "X" dimension = 1-1/4" making total overall length of well = 7" - Steel - See markedup print of Trinity Dwg. T-149 (For Econ.)

Delivery required in our plant by August 27, 1965.

Prints attached.

ACKNOWLEDGEMENT

RECEIVED

JUL

8,9,10,11,12,

Guadalupe Banda
Cause No. 97-3793-C

THIS ACKNOWLEDGMENT MUST BE RETURNED PROMPTLY WITH FIRM PROMISE DATE & PRICE FOR EACH ITEM SHOWN IN LAST COLUMN.

THIS ORDER IS ACCEPTED SUBJECT TO ALL TERMS & CONDITIONS STIPULATED THEREON.

M. S. Northup, Jr.
SALES MGR.

FIRM NAME

SHIPPING DATE

YOUR ORDER NO.

ACCEPTED BY

D&E 00695

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

STEAM POWER PLANT EQUIPMENT

PURCHASING DEPT. COPY

Date Issued **September 20, 1965**

S-90755 -68824

Kentube Company
Box 7280
Tulsa, Oklahoma

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION	DATE RECEIVED
		Furnish 36 pcs. 1-1/2" Sch. 40 Seamless Steel Pipe x 11' 0" and 360 Pcs. 1-1/2" Sch. 40 Seamless Steel Pipe x 10' 5-1/4" Long. Both ends beveled for welding with 35° bevel. ASTM-A-106 Gr. B. material. Furnish Mill Test Reports for above. Apply by welding to each pipe 10' 0-1/2" (± 1/2") length of "Kentube" Helical fins - #16 Ga. 3/4" high - 3 fins per inch. On 360 Pcs. start fins 3-1/4" from one end of pipe and 1-1/2" from opposite end. On 36 pcs. start fins 3-1/4" from one end of the pipe and 8-1/2" from opposite end. Delivery required in our plant by October 22, 1965.	

Guadalupe Banda
Cause No. 97-3793-C

CAR NO. _____ VIA _____

WEIGHT _____ CHARGES _____

D&E 00696

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

RECEIVE AT ERIE

STEAM POWER PLANT EQUIPMENT

Date Issued September 20, 1965

S-90755 - 68C24

Kentube Company
Box 7280
Tulsa, Oklahoma

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION
		Furnish 36 pcs. 1-1/2" Sch. 40 Seamless Steel Pipe x 11' 0" and 360 Pcs. 1-1/2" Sch. 40 Seamless Steel Pipe x 10' 5-1/4" Long. Both ends beveled for welding with 35° bevel. ASTM-A-106 Gr. B. material. Furnish Mill Test Reports for above. Apply by welding to each pipe 10' 0-1/2" (± 1/2") length of "Kentube" Helical fins - #16 Ga. 3/4" high - 3 fins per inch. On 360 Pcs. start fins 3-1/4" from one end of pipe and 1-1/2" from opposite end. On 36 pcs. start fins 3-1/4" from one end of the pipe and 8-1/4" from opposite end. Delivery required in our plant by October ~~22~~ 29, 1965.

ACKNOWLEDGMENT

Guadalupe Banda
Cause No. 97-3733-C

THIS ACKNOWLEDGMENT MUST BE RETURNED PROMPTLY & THE FIRM PROMISE DATE & PRICE FOR EACH ITEM SHOWN IN LAST COLUMN.

THIS ORDER IS ACCEPTED SUBJECT TO ALL TERMS & CONDITIONS STIPULATED THEREON.

FIRM NAME Kentube

YOUR ORDER NO. T-771-11

SHIPPING DATE 1st October 15

ACCEPTED BY

D&E 00697

KENTUBE Company

PHONE HICKORY 6-4561
438 WEST 41st STREET

P. O. BOX 7280
TULSA, OKLAHOMA 74105

RECEIVED
AT ERIE

September 30, 1965

Union Iron Works
Erie, Pa.

Attention: Mr. W. S. Waiter

Subject: YOUR P.O. S-90755-68824
OUR JOB J-771-11

Gentlemen:

We wish to acknowledge and thank you for the above order covering a quantity of Heavy Duty, Continuously Welded KENTUBES described below:

Item	1	2
No. Tubes	36	360
Material	A-106-B	A-106-B
Size O.D.	1.9"	1.9"
Wall, inches	.145 av	.145 av
Length	11'-0"	10'-5 1/4"
Finned Length	10'-0 1/2"	10'-0 1/2"
Fin Pitch	36/ft	36/ft
Fin Thickness	.060"	.060"
Fin Height	3/4"	3/4"
Fin Material	CS	CS

Our price for this order is Nine Thousand and Eleven Dollars ($9,011.00) f.o.b. our plant, Tulsa, Oklahoma. Estimated weight is 28,000#. Shipment has been scheduled for the week of October 18, 1965.

Thank you again for placing your order with us.

Very truly yours,

KENTUBE COMPANY

B. G. Martin
BGM:jd
cc--P. F. Sherman Company
Engineering, Purchasing

Guadalupe Banda
Cause No. 97-3793-C

KENTUBE Company

PHONE HICKORY 6-4561
438 WEST 41ST STREET

SOUTH ELWOOD AT 41ST STREET
TULSA, OKLAHOMA 74107

RECEIVED
AT ERIE

October 22, 1965

8,9,10,11,12,1,2,3,4,5

Union Iron Works
Erie, Pennsylvania

Attention: Mr. W. S. Waiter

Subject: Your P.O. S-90755-68824
Our Job J-771-11

Gentlemen:

In accordance with your instructions we attach two copies of Mill Test Reports covering pipe on your above referenced purchase order.

If you require any additional information, please advise.

Very truly yours,

KENTUBE COMPANY

Dallas R. Rose

Dallas R.Rose

DRR:sa

Guadalupe Banda
Cause No. 97-3793-C

D&E 00699

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

STEAM POWER PLANT EQUIPMENT

PURCHASING DEPT. COPY

Date Issued **September 20, 1965**

S-90755-68825

Allegheny Pipe & Supply Co.
P.O. Box 9340
Pittsburgh, Pennsylvania

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION	DATE RECEIVED
	378	1-1/2" Sch. 40 - 180° Return Bends - Long Radius - 4-1/2" centers.	
		Delivery required by October 22, 1965.	

Guadalupe Banda
Cause No. 07-3758-C

CAR NO. _____ VIA _____

WEIGHT _____ CHARGES _____

D&E 00700

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

RECEIVED AT ERIE

SEP 2? 1965

STEAM POWER PLANT EQUIPMENT

Date Issued September 20, 1965

8,9,10,11,12,1,2,3,4,5

S-90755 - 68825

Allegheny Pipe & Supply Co.
P.O. Box 9340
Pittsburgh, Pennsylvania

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION	
	378	1-1/2" Sch. 40 - 180° Return Bends - Long Radius - 4-1/2" centers.	
		Delivery required by October 22, 1965.	

ACKNOWLEDGMENT

Guadalupe Banda
Cause No. 67-3783-C

THIS ACKNOWLEDGMENT MUST BE RETURNED PROMPTLY WITH FIRM PROMISE DATE & PRICE FOR EACH ITEM SHOWN IN LAST COLUMN.

THIS ORDER IS ACCEPTED SUBJECT TO ALL TERMS & CONDITIONS STIPULATED THEREON.

FIRM NAME

YOUR ORDER NO.

SHIPPING DATE

ACCEPTED BY

D&E 00701

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

STEAM POWER PLANT EQUIPMENT

PURCHASING DEPT. COPY

Date Issued **September 20, 1965**

S-90755 -68826

Wedge, Inc.
3985 Jennings Road
Cleveland, Ohio

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION	DATE RECEIVED
	792	**Chill Rings - 1.600" O.D. of Ring.**	
		Delivery required by October 22, 1965.	

Guadalupe Banda
Cause No. 07-3783-C

CAR NO. _____ VIA _____

WEIGHT _____ CHARGES _____

D&E 00702

ON. 1-2600

Wedge Products, Inc.

3985 JENNINGS RD., CLEVELAND, OHIO 44109

3264

RECEIVED AT ERIE

SEP 22 1965

Date **9-20-65** Cust. No. **S-90755-68826** Rec'd. **9-21-65**

From **Union Iron Works**
Erie, Pa.

To **Sams**

8,9,10,11,12,1,2,3,4,5

Via **Cheapest Way** Delivery **Required by October 22, 1965**

PIECES	SIZE	TYPE	PRICE	VALUE	DISCOUNT	NET
792	1.600"	P-446A Chill Rings	.133a.	less 10&10%		
		SHIPMENTS				

Terms: 1% Ten Days, 30 Days Net

F. O. B. Our Plant

ACKNOWLEDGMENT

WE WILL SHIP **As Requested**

WEDGE PRODUCTS, INC.
3985 JENNINGS ROAD
CLEVELAND, OHIO 44109

Guadalupe Banda
Cause No. 07-3793-C

D&E 00703

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

STEAM POWER PLANT EQUIPMENT

Date Issued September 20, 1965

S-90755 - 68826

Wedge, Inc.
3985 Jennings Road
Cleveland, Ohio

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION
	792	Chill Rings - 1.600" O.D. of Ring.

Delivery required by October 22, 1965.

ACKNOWLEDGMENT

RECEIVE
AT ERIE
SEP
8,9,10,11,12 1,2,3,4,5

THIS ACKNOWLEDGMENT MUST BE RETURNED PROMPTLY WITH FIRM PROMISE DATE & PRICE FOR EACH ITEM SHOWN IN LAST COLUMN.

THIS ORDER IS ACCEPTED SUBJECT TO ALL TERMS & CONDITIONS STIPULATED THEREON.

Guadalupe Banda
Cause No. 07-8790-C

FIRM NAME

YOUR ORDER NO.

SHIPPING DATE

ACCEPTED BY

D&E 00704

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

STEAM POWER PLANT EQUIPMENT

Date Issued October 1, 1965

S-90755 -68972

Watson Power Equipment Co.
P.O. Box 4526
Cleveland 24, Ohio

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION
	4	1/2" Edward #848Y Globe Valve (Stm. Gage Shutoff).
	2	1/4" Edward #848 Globe Valve (Inspectors Test).

Delivery required in our plant during week of November 29, 1965.

ACKNOWLEDGMENT

RECEIVED AT ERIE OCT 25 1965

Guadalupe Banda
Cause No. 67-3793-C

THIS ACKNOWLEDGMENT MUST BE RETURNED PROMPTLY WITH FIRM PROMISE DATE & PRICE FOR EACH ITEM SHOWN IN LAST COLUMN.

THIS ORDER IS ACCEPTED SUBJECT TO ALL TERMS & CONDITIONS STIPULATED THEREON.

FIRM NAME

YOUR ORDER NO. 61-97867

SHIPPING DATE 11/29/65

ACCEPTED BY Bill Bailey

D&E 00705

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

STEAM POWER PLANT EQUIPMENT

PURCHASING DEPT. COPY

Date Issued **October 1, 1965**

S-90755 -68972

Watson Power Equipment Co.
P.O. Box 4526
Cleveland 24, Ohio

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION	DATE RECEIVED
	4	1/2" Edward #848Y Globe Valve (Stm. Gage Shuto..).	
	2	1/4" Edward #848 Globe Valve (Inspectors Test).	
		Delivery required in our plant during week of November 29, 1965.	

Guadalupe Banda
Cause No. 07-3703-C

CAR NO. _____ VIA _____

WEIGHT _____ CHARGES _____

D&E 00706

RECEIVED [illegible]

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PENNSYLVANIA

8,9,10,11,12

UNION

STEAM GENERATING AND
PROCESS HEATING EQUIPMENT

October 19, 1965

[illegible] 1965

Watson Power Equipment

Watson Equipment Co.
P.O. Box 4526
Cleveland 24, Ohio

Our Purchase Order No. S-90755 - 68972
Your Order No. _____
Date of Order October 1, 1965

Gentlemen:

We require the following information to bring our records up to date:

X	Please acknowledge.
_____	Drawings required. In your schedule and will be mailed _____.
_____	Transparencies required. Will be mailed _____.
_____	Waiting for material. Will be shipped (partial) (complete) on _____.
_____	Please forward shipping papers.
_____	Please forward required insurance certificates.

This data is required by return mail. Please expedite and advise immediately.

Very truly yours,

UNION IRON WORKS

W.S. Waiter
Purchasing Agent

WSW/gcl

10-25-65

YOUR ORDER HAS BEEN ENTERED AS ROCKWELL ORDER 61-97867
ACKNOWLEDGMENT MAILED TO YOU 10-20-65. LET US KNOW IF
YOU WISH AN ADDITIONAL COPY.

Shirley Bowden

SHIRLEY BOWDEN
WATSON POWER EQUIPMENT CO. FOR:
ROCKWELL MFG. CO.

Guadalupe Banda
Cause No. 07-8788-C

D&E 00707

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

STEAM POWER PLANT EQUIPMENT

PURCHASING DEPT. COPY

Date Issued **September 20, 1965**

S-90755-68827

Colonial Machine Company
P.O. Box 231
Pleasantville, Pennsylvania

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION	DATE RECEIVED
	396	**Steel Collars - 3-1/2" O.D. x 1-31/32" I.D. x 2" Lg.**	
		Delivery required by October 22, 1965.	

Guadalupe Bonds
Cause No. 97-3792-C

CAR NO. _____ VIA _____

WEIGHT _____ CHARGES _____

D&E 00708

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

RECEIVED AT [illegible]

SEP 2[illegible] 1965

STEAM POWER PLANT EQUIPMENT

Date Issued September 20, 1965

8,9,10,11,12,1,2,3,4,5

S-90755-68827

Colonial Machine Company
P.O. Box 231
Pleasantville, Pennsylvania

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION
	396	Steel Collars - 3-1/2" O.D. x 1-31/32" I.D. x 2" Lg.
		Delivery required by October 22, 1965.

ACKNOWLEDGMENT

Guadalupe Banda
Cause No. 07-3793-C

THIS ACKNOWLEDGMENT MUST BE RETURNED PROMPTLY & THE FIRM PROMISE DATE & PRICE FOR EACH ITEM SHOWN IN LAST COLUMN.

THIS ORDER IS ACCEPTED SUBJECT TO ALL TERMS & CONDITIONS STIPULATED THEREON.

FIRM NAME

YOUR ORDER NO.

SHIPPING DATE 10/22 or before

The Colonial Machine Co.
ACCEPTED BY

D&E 00709

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

RECEIVED AT ED

STEAM POWER PLANT EQUIPMENT

Date Issued October 12, 1965

8,9,10,11,12,1,2,3,4,5

S-90755 -69051

Allegheny Pipe & Supply
P.O. Box 9340
Pittsburgh, Pennsylvania

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION
	8	8" 600# Welding Neck Flange Bore 7.63"
	2	8" 90° Ex. Str. Butt Weld Elbow - Short Radius.
	2	1-1/2" 600# Blind Flange.
	4	10" x 8" Ex. Str. Concentric Reducer - Butt Weld.
	4	8" 90° Ex. Str. Butt Weld Elbow - Long Radius.
	4	10" Ex. Str. Weld Ring - Flat Pin Type.
	16	8" Ex. Str. Weld Ring - Flat Pin Type.
	2	4-7/8" O.D. x 1/2" Scrd. Reducing Flg. F&D 600# (1/4"RF)
	4	3/8" Scrd. Gr. Jt. Elbow 2000# F.S.
	8	3/8" 90° Scrd. Ell 2000# F.S.
	2	1" 600# Scrd. Flange (1/4" RF).
	4	4" 600# Lap Joint Flange.
	4	4" Lap Joint Stub End (X-Stg.)
	4	4" 600# W.N. Flange (1/4"RF) Bore = 3.826".
	6	4" 90° Butt Weld Ell (Lg. Rad.) X-Stg.)
	2	4" 45° Butt Weld Ell (Lg. Rad.) X-Stg.
	4	1-1/2" 600# Scrd.Flange (1/4" RF).

Delivery required in our plant by November 5, 1965.

ACKNOWLEDGMENT

THIS ACKNOWLEDGMENT MUST BE RETURNED PROMPTLY WITH FIRM PROMISE DATE & PRICE FOR EACH ITEM SHOWN IN LAST COLUMN.

THIS ORDER IS ACCEPTED SUBJECT TO ALL TERMS & CONDITIONS STIPULATED THEREON.

Guadalupe Banda
Cause No. 97-3703-C

FIRM NAME

YOUR ORDER NO.

SHIPPING DATE By 11/5

ACCEPTED BY

D&E 00710

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

RECEIVED

STEAM POWER PLANT EQUIPMENT

Date Issued October 12, 1965

S-90755 -69051

Allegheny Pipe & Supply
P.O. Box 9340
Pittsburgh, Pennsylvania

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION
	8	8" 600# Welding Neck Flange Bore 7.63"
	2	8" 90° Ex. Str. Butt Weld Elbow - Short Radius.
	2	1-1/2" 600# Blind Flange.
	4	10" x 8" Ex. Str. Concentric Reducer - Butt Weld.
	4	8" 90° Ex. Str. Butt Weld Elbow - Long Radius.
	4	10" Ex. Str. Weld Ring - Flat Pin Type.
	16	8" Ex. Str. Weld Ring - Flat Pin Type.
	2	4-7/8" O.D. x 1/2" Scrd. Reducing Flg. F&D 600# (1/4"RF)
	4	3/8" Scrd. Gr. Jt. Union 2000# F.S.
	8	3/8" 90° Scrd. Ell 2000# F.S.
	2	1" 600# Scrd. Flange (1/4" RF).
	4	4" 600# Lap Joint Flange.
	4	4" Lap Joint Stub End (X-Stg.)
	4	4" 600# W.N. Flange (1/4"RF) Bore = 3.826".
	6	4" 90° Butt Weld Ell (Lg. Rad.) X-Stg.)
	2	4" 45° Butt Weld Ell (Lg. Rad.) X-Stg.
	4	1-1/2" 600# Scrd.Flange (1/4" RF).

Delivery required in our plant by November 5, 1965.

ACKNOWLEDGEMENT

THIS ACKNOWLEDGMENT MUST BE RETURNED PROMPTLY WITH FIRM PROMISE DATE & PRICE FOR EACH ITEM SHOWN IN LAST COLUMN.

THIS ORDER IS ACCEPTED SUBJECT TO ALL TERMS & CONDITIONS STIPULATED THEREON.

FIRM NAME

YOUR ORDER NO.

SHIPPING DATE By 11/5

Guadalupe Bandin
Cause No. 07-3703-C

ACCEPTED BY

D&E 00711

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

STEAM POWER PLANT EQUIPMENT

PURCHASING DEPT. COPY

Date Issued October 12, 1965

S-90755 -69052

Keystone Bolt & Nut Company
9507 Meech Avenue
Cleveland, Ohio

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION	DATE RECEIVED
	24	1-1/8" x 8" Alloy Stud Bolt - ASTM-A-193-B7.	
	48	1-1/8" Alloy Nut - ASTM-A-194-2H.	
	80	7/8" Dia. x 6" Lg. Stud Bolt/ 2 Nuts (Alloy Steel).	
		Delivery required in our plant by November 5, 1965.	

Guadalupe Banda
Cause No. 97-3733-C

CAR NO. _____ VIA _____

WEIGHT _____ CHARGES _____

D&E 00712

KEYSTONE BOLT & NUT CO.

RES **PACKING SLIP**

9507 MEECH AVENUE, CLEVELAND 5, OHIO

Customer's Order No. S 90755-69052 Req. No. _____ Date 10/25/65

Sold to Union Iron Works, Erie, Pa. Ship to S 90755

Address _____ Address _____

Delivery Date 11/5/65 Via _____ Cartons _____ Kegs _____ Boxes _____ Weight _____

Container No.	Shipped	Quantity Ordered	DESCRIPTION	Unit Price
			A 193, B-7 Alloy Steel Studs,	
	—	80	7/8-9 x 6	
	—	24	1-1/8-8 x 8	
			A 194, 2-H Hex Nuts	
	—	48	1-1/8-8	
		160	7/8-9	
	—	155	Rec'd	

Guadalupe Banda
Cause No. 57-3793-C

D&E 00713

CODE SYMBOLS CC CALLED COMPLETE BO BACK ORDERED ✓ SHIPPED COMPLETE X CANCELLED—CANNOT SUPPLY

PACKING SLIP

S-90755

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PENNSYLVANIA

NOV 2 1965

UNION

STEAM GENERATING AND PROCESS HEATING EQUIPMENT

November 1, 1965

Keystone Bolt & Nut Company
9507 Meech Avenue
Cleveland, Ohio

RECEIVED
AT ERIE
NOV - 4 1965
8,9,10,11,12,1,2,3,4,5

Our Purchase Order No. S-90755 - 69052
Your Order No.
Date of Order October 12, 1965

Gentlemen:

We require the following information to bring our records up to date:

__X__ Please acknowledge.
_____ Drawings required. In your schedule and will be mailed _____.
_____ Transparencies required. Will be mailed _____.
_____ Waiting for material. Will be shipped (partial) (complete) on _____.
_____ Please forward shipping papers.
_____ Please forward required insurance certificates.

This data is required by return mail. Please expedite and advise immediately.

Very truly yours,

UNION IRON WORKS

W.S. Waiter
Purchasing Agent

Shipped 10/26/65

WSW/gcl Via CAB X,

With other Orders

J W Krujci

Guadalupe Banda
Cause No. 07-3700-C

D&E 00714

1965

UNION IRON WORKS
A DIVISION OF RILEY STOKER CORPORATION
ERIE, PENNSYLVANIA



STEAM GENERATING AND
PROCESS HEATING EQUIPMENT

November 1, 1965

RECEIVED
AT ERIE
NOV - 4 1965
8,9,10,11,12,1,2,3,4,5

Keystone Bolt & Nut Company
9507 Meech Avenue
Cleveland, Ohio

U.I.W. Purchase Order No. S-90755 - 69052
Your No.

Gentlemen:

We are waiting for the material on the subject order. It is most urgent that the requested shipping date be maintained or if this date has gone by, that you ship immediately. Would you please make all of the necessary arrangements to ship the material out of your plant on time.

Thank you very much for your most prompt attention to this matter.

Very truly yours,

UNION IRON WORKS

W. S. Waiter

W. S. Waiter
Purchasing Agent

WSW:vmc

* Is required by November 5, 1965.

Guadalupe Banda
Cause No. 97-3798-C

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

STEAM POWER PLANT EQUIPMENT

PURCHASING DEPT. COPY

Date Issued October 12, 1965

S-90755-69059

H.O. Trerice Company
1420 W. Lafayette Blvd.
Detroit, Michigan
48216

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION	DATE RECEIVED
	2	Trerice BX13406 Thermometer only (no separable socket) Straight Form - Range 400 - 850°F (For suphtr.)	
	2	Trerice BX13406 Thermometer only (no separable socket) straight form - Range 100 - 550°F (For Econ.)	
		Delivery required in our plant by December 3, 1965.	

Guadalupe Banda
Cause No. 97-3702-C

CAR NO. _____ VIA _____

WEIGHT _____ CHARGES _____

D&E 00716

FORM 12-1064 PTD. U.S.A.



TRERICE RECORDING THERMOMETER NO. M82117



TRERICE DIAL THERMOMETER NO. V80308



TRERICE INDICATING CONTROLLER NO. M87700

POSTMASTER: THIS PARCEL MAY BE OPENED FOR POSTAL INSPECTION IF NECESSARY.

RETURN POSTAGE GUARANTEED

CONTENTS: MERCHANDISE 4TH CLASS MAIL

FROM

H. O. Trerice Co.

MANUFACTURERS OF TEMPERATURE INSTRUMENTS

1420 W. LAFAYETTE BLVD.
DETROIT, MICH. 48216

SOLD TO

UNION IRON WORKS DIV
RILEY STOKER CORP
ERIE PA

DATE SHIPPED

CUST. ORDER NO. S-80755-69059

TERMS: 1% 10 DAYS, NET 30
F.O.B. FACTORY, DETROIT

TERRITORY	AGENT	VIA	EXP.	P. P. INS.	U.P.S.	OUR DELY.	TRUCK
48-M	ALLEN						

CODE	CITY CR.	ENTERED	TAXABLE	EXEMPT
P4	ERIE	10/20		RS

BACK ORDER	QUAN. SHIPPED	DESCRIPTION	S.D.	LIST	EXTENSION	% DISC.	NET AND TOTAL
	2	BX13406 THERM 400 TO 850 F LESS SOCKET	M				
	2	BX13406 THERM 100 TO 550 F LESS SOCKET					

P. Post

RECEIVED BY

BOX	CTN.	BAG	LOOSE	WGT.	POSTAGE

PACKING SLIP

NOTE

FROM

H. O. Trerice Co.

IMPORTANT NOTICE

NO ALLOWANCE FOR BREAKAGE

Breakage should be reported to the Railroad or Express Company at once and claim made to them. If package has been signed for as having been received in good condition your claim should be made for "Concealed Breakage." Duplicate express receipts, which should accompany your claim will be furnished upon request. These goods were PACKED WITH GREAT CARE by experienced packers and we cannot assume responsibility for breakage occurring in transit.

Guadalupe Banda
Cause No. 97-3798-C

D&E 00717

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

STEAM POWER PLANT EQUIPMENT

PURCHASING DEPT. COPY

Date Issued October 12, 1965

S-90755-69053

Steel Improvement & Forge Co.
970 East 64th Street
Cleveland, Ohio

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION	DATE RECEIVED
	8	1-1/4" 90° Water Column Ells - F&D 600# (1/4R F) Type "D".	
		Delivery required in our plant by November 5, 1965.	
		Cancel above ells, we will alter spot 1-1/2" ells into 1¼" in the shop	

CAR NO. _____ VIA _____

WEIGHT _____ CHARGES _____

Guadalupe Banda
Cause No. 97-3793-C

D&E 00718

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

STEAM POWER PLANT EQUIPMENT

CHANGE ORDER NO. 1 APPLYING TO PURCHASE ORDER NO. S-90755-69053

Steel Improvement & Forge Co.
970 East 64th Street
Cleveland, Ohio

Date October 15, 1965

ITEM	PLEASE CHANGE OUR ORDER AS FOLLOWS AND RETURN SIGNED COPY
	Cancel subject order in its entirety.
	Please sign one (1) copy of change order and return to us.

Accepted By _____

Date _____ By _____

UNION IRON WORKS

_____
PURCHASING AGENT

Guadalupe Banda
Cause No. 97-3798-C

D&E 00719

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

RECEIVED AT ERIE

STEAM POWER PLANT EQUIPMENT

Date Issued October 12,1965

S-90755-69054

Collura Engineering Sales
11926 Lake Shore Blvd.
Cleeland 8, Ohio

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION
	8	Flexitallic Gasket for 1-1/4" 600# RF Flg.

Delivery required in our plant by November 5, 1965.

ACKNOWLEDGMENT

Guadalupe Banda
Cause No. 97-3798-C

THIS ACKNOWLEDGMENT MUST BE RETURNED PROMPTLY WITH FIRM PROMISE DATE & PRICE FOR EACH ITEM SHOWN IN LAST COLUMN.

THIS ORDER IS ACCEPTED SUBJECT TO ALL TERMS & CONDITIONS STIPULATED THEREON.

FIRM NAME Collura Eng. Sales SHIPPING DATE

YOUR ORDER NO. F105-2869 10/15/65

ACCEPTED BY Jean Collura

D&E 00720

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

STEAM POWER PLANT EQUIPMENT

PURCHASING DEPT. COPY

Date Issued October 15, 1965

S-90755 -69088

Jones & Laughlin Steel Corp.

Oil City, Pennsylvania

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION	DATE RECEIVED
		All Tubes 2" O.D. x .150" - ASTM-A-178 Grade C.	
	36	Tube #SH1 - 14' 10-3/4"	
	36	" #SH2 - 13' 9-1/4"	
	36	" #SH3 - 13' 1-1/8"	
	36	" #SH4 - 12' 7-1/4"	
	36	" #SH5 - 12' 6-13/16"	
	36	" #SH6 - 12' 7-1/4"	
	36	" #SH7 - 13' 8-7/8"	
		Delivery required in our plant by October 29, 1965. Combine for shipment with our P.O. S-90748-69102.	
		Confirming order.	

CAR NO. _____ VIA _____

WEIGHT _____ CHARGES _____

Guadalupe Banda

Cause No. 97-3798-C

D&E 00721

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

RECEIVED AT ERIE

STEAM POWER PLANT EQUIPMENT

Date Issued October 15, 1965

S-90755 - 69088

Jones & Laughlin Steel Corp.

Oil City, Pennsylvania

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION
		All Tubes 2" O.D. x .150" - ASTM-A-178 Grade C.
	36	Tube #SH1 - 14' 10-3/4"
	36	" #SH2 - 13' 9-1/4"
	36	" #SH3 - 13' 1-1/8"
	36	" #SH4 - 12' 7-1/4"
	36	" #SH5 - 12' 6-13/16"
	36	" #SH6 - 12' 7-1/4"
	36	" #SH7 - 13' 8-7/8"

ACKNOWLEDGMENT

Delivery required in our plant by October 29, 1965.
Combine for shipment with our P.O. S-90748-69102.

Confirming order.

In the event that terms or conditions stipulated on this purchase order are inconsistent with the seller's conditions of sale, as shown on the reverse of seller's acknowledgment form, the seller's terms and conditions shall govern.

THIS ACKNOWLEDGMENT MUST BE RETURNED PROMPTLY WITH FIRM PROMISE DATE & PRICE FOR EACH ITEM SHOWN IN LAST COLUMN.

THIS ORDER IS ACCEPTED SUBJECT TO ALL TERMS & CONDITIONS STIPULATED THEREON.

JONES & LAUGHLIN STEEL CORPORATION
Electricweld Tube Division

Guadalupe Banda
Cause No. 97-3798-C

FIRM NAME

SHIPPING DATE

YOUR ORDER NO.

ACCEPTED BY F. H. Holt, Manager of Sales

D&E 00722

JONES & LAUGHLIN STEEL CORP.

PITTSBURGH 30, PA.

DIST	DATE	BY	CUST DATE	CUST ORDER & REQ NO	MILL NO
PGH	10/18/65	JM/CU	10/18/65	S-90755-69088	668-481733

CHARGE TO: UNION IRON WORKS
ERIE, PENNSYLVANIA

SHIP TO: SAME
ERIE, PA

EQUIPMENT	MIN WT	PPD OR COLL
TRUCK	32,000	COL

ROUTE: TRUCK SHIPMENTS MUST BE IN BETWEEN 8 AND 11 AM MONDAY THRU FRIDAY
CUST MUST BE NOTIFIED AT LEAST ONE DAY PRIOR TO SHIPMENT

LOAD

MARK: CUST ORDER NO AND CONTRACT NO. S-90755-69088.

RECEIVED AT OCT 21 1965 8,9,10,11,12 1 2 3,4,5

REMARKS: RENDER INVOICES IN DUPLICATE.
ENCLOSE COPY OF ORDER MATTE WITH EACH SHIPMENT.

MEMO ORDER

GENTLEMEN:
THIS IS A TRANSPOSED COPY OF YOUR ORDER AS ENTERED ON OUR MILL. SHIPMENT OF YOUR MATERIAL IS EXPECTED TO BE MADE AS FOLLOWS:

Guadalupe Banda
Cause No. 97-3798-C

JONES & LAUGHLIN STEEL CORPORATION

PER [signature] DATE 10/23

SPEC: ASTM A-178 GR C

ITEM NO.

E W STEEL BOILER TUBES HR TO SPEC ASTM A-178 GR C

1. 2" OD X .150 MIN WALL LNGTHS ON CUST ORDER

252 PCS 3,357 FT-8" 11,216 LBS

D&E 00723

INSPECTION: TEST RPTS J&L IN TRIP | RESALE | CUST USE PROC. AND PART NO: BOILER TUBES | MO. 1C

INQUIRY: BY OCTOBER 30 - SHIP WITH 668-481732
SHIP (SHOW SHIP WITH IF APPLICABLE)

CUSTOMER NAME AND ORDER NUMBER		PROMISED SHEETS	ITEMS	N.T.	MILL NO.	P.O.C. ITEM
UNION IRON	S-90755-69088	1	1	6	668-481733	

CUSTOMER'S ACKNOWLEDGMENT COPY

FORM G 170 LM 10-64

S 90755

JONES & LAUGHLIN STEEL CORPORATION

PITTSBURGH 30, PA.

DATE SHIPPED	INVOICE DATE	INVOICE NO.	INDUSTRY	AGENCY	CUSTOMER	DESTINATION-T
10-31-65	10-31-65	36 1182	570	48-1-D-15	920250	1325-30

SOLD TO
UNION IRON WORKS
ERIE
PENNSYLVANIA

SHIPPED TO
SAME

RECEIVED
AT ERIE
NOV - 3 '65

FROM OIL CITY, PA.

ROUTE 8,9,10,11,12,1,2,3,4,5

SHIPPING NOTICE

MATERIAL DESCRIBED HEREIN WAS LOADED IN GOOD CONDITION AND PROPERLY INSPECTED BEFORE LEAVING OUR PLANT. IN CASE OF DAMAGE NOTIFY YOUR LOCAL FREIGHT AGENT AND OUR DISTRICT SALES OFFICE BEFORE UNLOADING. CLAIM FOR SHORTAGE OR DAMAGE MUST BE ACCOMPANIED BY ORIGINAL PAID FREIGHT BILL BEARING NOTATION OF THE SHORTAGE OR DAMAGE, SIGNED BY YOUR LOCAL FREIGHT AGENT.

FOR B/L REFERENCE SEE INV. 36-1181

CAR OR TRUCK #	TYPE	PROT. MAT. # / DUNN. #	B/L WEIGHT # / B/L DESC.	FREIGHT
			WROT PIPE	COLLECT

ORDER NUMBERS CUSTOMER	ORDER NUMBERS MILL AND PRICE NOS	ITEM	QUANTITY BDL.	QUANTITY PIECES	DESCRIPTION	WEIGHT POUNDS	TOTAL LENGTH FEET	TOTAL LENGTH INS.
					MO 10 5951			
S-90755-69038					J & L ELEC WELD STEEL BOILER TUBES - HOT			
	36-1182				ROLLED - MIN WALL - TO SPEC ASTM A-178 GR C			
	668-48-1733				CUT LGTHS			
	PC-3350							
	COMPLETE				2 OD X .150 MIN WALL			
TUBE #	SH1		1	(36)	14'10-3/4"		536	2
	SH2		1	(36)	13'9-1/4"		495	8
	SH3		1	(36)	13'1-1/8"		471	4
	SH4		1	(36)	12'7-1/4"		453	9
	SH5		1	(36)	12'6-13/16"		452	5
	SH6		1	(36)	12'7-1/4"		453	9
	SH7		1	(36)	13'8-7/8"		494	7
						11216	3357	8

Guadalupe Banda
Cause No. 97-3798-C

D&E 00724

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

RECEIVED

STEAM POWER PLANT EQUIPMENT

Date Issued October 15, 1965

S-90755 - 69110

Jones & Laughlin SteelCorp.
Oil City, Pennsylvania

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION
		All Tubes 2" O.D. x .105" - ASTM-A-178 Grade A.
	312	Tube # 1 - 20' 1-1/8"
	10	" # 1A - 13' 4-11/16"
	314	" # 2 - 12' 9"
	278	" # 3 - 12' 8"
	278	" # 4 - 12' 9-3/8"
	278	" # 5 - 13' 1-1/4"
	278	" # 6 - 13' 7-3/8"
	278	" # 7 - 14' 2-1/4"
	244	" # 8 - 15' 3-3/16"
	288	" # 8A - 15' 6-7/16"
	38	" # 8B - 15' 7"
	4	" # 9 - 14' 2-7/16"
	4	" #10 - 14' 0-5/8"
	4	" #11 - 13' 11-7/8"
	4	" #12 - 13' 5-1/4"
	4	" #13 - 13' 0-15/16"
	4	" #14 - 13' 0-[illegible]/16"
	4	" #15 - 12' 5-[illegible]/8"
	4	" #16 - 12' 5-9/16"
	4	" #17 - 12' 4-15/16"
	4	" #18 - 12' 2-3/8"
	4	" #19 - 12' 2-1/4"
	4	" #20 - 12' 5-3/8"
	4	" #21 - 12' 1-9/16"
	4	" #22 - 12' 6-5/8"
	4	" #23 - 12' 10"
	4	" #24 - 13' 8-11/16"

ACKNOWLEDGMENT

In the event that terms or conditions stipulated on this [illegible] are inconsistent with the seller's [illegible] of sale, as shown on the reverse [illegible] this acknowledgment form, the seller's terms and conditions shall govern.

Shipment required by November 22, 1965.

Ship via: Rail.

Guadalupe Banda
Cause No. 97-3798-C

THIS ACKNOWLEDGMENT MUST BE RETURNED PROMPTLY & IN FIRM FROM IS DATE & PRICE FOR EACH ITEM SHOWN IN LAST COLUMN.

THIS ORDER IS ACCEPTED SUBJECT TO ALL TERMS & CONDITIONS STIPULATED THEREON.

FIRM NAME

YOUR ORDER NO.

SHIPPING DATE

JONES & LAUGHLIN STEEL CORPORATION
Electricweld Tube Division

T. H. Holt

T. H. Holt, Manager of Sales
ACCEPTED BY

D&E 00725

JONES & LAUGHLIN STEEL CORP. S-90755

PITTSBURGH 30, PA.

DIST.	DATE	BY	CUST. DATE	CUST. ORDER & REQ. NO.	MILL NO.
PGH	10/18/65	JM/CU	10/18/65	S-90755-69110	668-481731

CHARGE TO: UNION IRON WORKS
ERIE, PENNSYLVANIA

SHIP TO: SAME
ERIE, PA

EQUIPMENT	MIN. WT	PPD OR COLL
RAIL	40,000	COL

ROUTE

LOAD

MARK

REMARKS

CUST. ORDER NO. AND CONTRACT NO. S-90755-69110.

RENDER INVOICES IN DUPLICATE.
ENCLOSE COPY OF ORDER MATTE WITH EACH SHIPMENT.

MEMO ORDER

RECEIVED
AT
OCT 21 1965
8 9 10 11 12 1 2 3 4 5

GENTLEMEN:
THIS IS A TRANSPOSED COPY OF YOUR ORDER AS ENTERED ON OUR MILL. SHIPMENT OF YOUR MATERIAL IS EXPECTED TO BE MADE AS FOLLOWS:

By 11/22 - As Noted

JONES & LAUGHLIN STEEL CORPORATION

J P M
PER

10/20
DATE

SPEC: ASTM A-178 GR A

ITEM NO

Guadalupe Banda
Cause No. 97-3798-C

1. E W STL BOILER TUBES HR TO SPEC ASTM A-178 GR A
2" OD X .105 MIN WALL LNGTHS ON CUST ORDER
2,460 PCS 38,472 FT-6" 92,681 LBS

D&E 00726

INSPECTION: J&L
TEST RPTS IN TRIP
RESALE
CUST. USE PROC. AND PART NO: BOILER TUBES
MO.: 11

INQUIRY
BY NOVEMBER 22 1965
SHIP (SHOW SHIP WITH IF APPLICABLE)

CUSTOMER NAME AND ORDER NUMBER: UNION IRON S-90755-69110

PROMISED

SHEETS	ITEMS	N.T.	MILL NO.
1	1	46	668-481731

CUSTOMER'S ACKNOWLEDGMENT COPY

FORM O 170 LM 10-64

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

RECEIVED AT OCT 21 1965

STEAM POWER PLANT EQUIPMENT

Date Issued October 15, 1965

S-90755 - 69111

Lake Erie Pipe & Supply
660 East 12th Street
Erie, Pennsylvania

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION
	16	1-1/4" 600# Slip On Flange (1/4" RF).
		Delivery required by October 25, 1965.

ACKNOWLEDGMENT

Guadalupe Banda
Cause No. 97-3798-C

THIS ACKNOWLEDGMENT MUST BE RETURNED PROMPTLY WITH FIRM PROMISE DATE & PRICE FOR EACH ITEM SHOWN IN LAST COLUMN.

THIS ORDER IS ACCEPTED SUBJECT TO ALL TERMS & CONDITIONS STIPULATED THEREON.

FIRM NAME

YOUR ORDER NO.

SHIPPING DATE

ACCEPTED BY

D&E 00727

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

STEAM POWER PLANT EQUIPMENT

Date Issued October 25, 1965 PURCHASING DEPT. COPY

S-90755 - 69192

Keystone Bolt & Nut Company
9507 Meech Avenue
Cleveland, Ohio

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION	DATE RECEIVED
	48	5/8" Dia. x 4-1/2" Alloy Stud Bolt - ASTM-A-19[illegible] B7.	
	96	5/8" Alloy Nut - ASTM-A-194-2H.	
		Delivery required by November 5, 1965.	

Guadalupe Banda
Cause No. 97-3798-C

CAR NO. _____ VIA _____

WEIGHT _____ CHARGES _____

D&E 00728

KEYSTONE BOLT & NUT CO.

RES **PACKING SLIP**

9507 MEECH AVENUE, CLEVELAND 5, OHIO

Customer's Order No. S 90755-69192 Req. No. _____ Date 11-2-65

Sold to Union Iron Works Ship to _____

Address Erie, Pa. Address _____

Delivery Date 11/5/65 Via _____ Cartons _____ Kegs _____ Boxes _____ Weight _____

Container No.	Shipped	Quantity Ordered	DESCRIPTION	Unit Price	
			A 193, B7 Alloy Full Thread Studs,		
	✓	48	5/8-11 x 4-1/2		
			A 194, 2-H Hex Nuts		
	✓	96	5/8-11		

CODE SYMBOLS CC CALLED COMPLETE ✓ SHIPPED COMPLETE
BO BACK ORDERED X CANCELLED–CANNOT SUPPLY

PACKING SLIP

Guadalupe Banda
Cause No. 97-3798-C D&E 00729

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

STEAM POWER PLANT EQUIPMENT

PURCHASING DEPT. COPY

Date Issued October 25, 1965

S-90755 -69193

Allegheny Pipe & Supply Co.
P.O. Box 9340
Pittsburgh, Pennsylvania

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION	DATE RECEIVED
	6	2" 600# Blind Flange.	
	2	1" 600# Slip On Flange.	
	4	2" 600# Welding Neck Flange - Bore 1.940"	
	4	2" 3000# 90° Elbow - Socket Weld	
		Delivery required by November 5, 1965.	

Guadalupe Banda
Cause No. 97-3793-C

CAR NO. _____ VIA _____

WEIGHT _____ CHARGES _____

D&E 00730

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

STEAM POWER PLANT EQUIPMENT

Date Issued October 25, 1965

S-90755 -69193

Allegheny Pipe & Supply Co.
P.O. Box 9340
Pittsburgh, Pennsylvania

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION
	6	2" 600# Blind Flange.
	2	1" 600# Slip On Flange.
	4	2" 600# Welding Neck Flange - Bore 1.940"
	4	2" 3000# 90° Elbow - Socket Weld

RECEIVED AT ERIE

Delivery required by November 5, 1965.

ACKNOWLEDGMENT

THIS ACKNOWLEDGMENT MUST BE RETURNED PROMPTLY WITH FIRM PROMISE DATE & PRICE FOR EACH ITEM SHOWN IN LAST COLUMN.

THIS ORDER IS ACCEPTED SUBJECT TO ALL TERMS & CONDITIONS STIPULATED THEREON.

Guadalupe Banda
Cause No. 97-3798-C

FIRM NAME

YOUR ORDER NO.

SHIPPING DATE By 11/5

ACCEPTED BY

D&E 00731

10-27-65 kh

ALLEGHENY PIPE & SUPPLY COMPANY

P. O. BOX 9340

PHONE: (AREA CODE 412) 264-7100 771-5065

PITTSBURGH 25, PA.

CUST. ORDER NO.	CUST. REQ. NO.	CUST. ORDER DATE	CONTRACT NO.	INVOICE DATE	INVOICE NO.
4-90755-69193		10-25-65			

SOLD TO — UNION IRON WORKS
Erie
Pennsylvania 16512

SHIP TO RECEIVED AT ERIE SAME

8,9,10,11,12

DATE SHIP	VIA	SHIPPED FROM	F.O.B.	PREPAID / COLLECT	TERMS

ORDER	B. O.	SHIPPED	DESCRIPTION	LIST	GROSS	TOTAL	DISCOUNT	NET
6			2" 600# Blind Flanged					
7			1" 600# Slipon Flanges					
4			2" 600# Weld Neck Flanges					
			A-H Bore					
4			2" 3000# S/W 90° Ells					

ACKNOWLEDGMENT

D&E 00732

Guadalupe Banda
Cause No. 97-3703-C

10-27-65 kh

ALLEGHENY PIPE & SUPPLY COMPANY

P. O. BOX 9340

PHONE: (AREA CODE 412) 264-7100 771-5065

PITTSBURGH 30, PA.

CUST. ORDER NO.	CUST. REQ. NO.	CUST. ORDER DATE	CONTRACT NO.	INVOICE DATE	INVOICE NO.
3-90755-69193		10-25-65			[illegible]

SOLD TO — UNION IRON WORKS
Erie
Pennsylvania 16512

SHIP TO — SAME

DATE SHIP	VIA	SHIPPED FROM	F.O.B.		TERMS
11/				PREPAID / COLLECT	

ORDER	B. O.	SHIPPED	DESCRIPTION	LIST	GROSS	TOTAL	DISCOUNT	NET
6		✓	2" 600# Blind Flanged					
2		✓	1" 600# Slipon Flanges					
4		✓	2" 600# Weld Neck Flanges - X-H Bore					
4		✓	2" 3000# S/W 90° Ells					

PACKING SLIP

D&E 00733

Guadalupe Banda
Cause No. 97-3732-C

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

RECEIVED AT E...

NOV - 4 1965

STEAM POWER PLANT EQUIPMENT

Date Issued November 1, 1965

8,9,10,11,12,1,2,3,4,5

S-90755-69248

Lake Erie Pipe & Supply Co.
660 East 12th Street
Erie, Pennsylvania

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION
	2	4" Std. Wt. Gr. Jt. Union M.I.
	2	1" Std. Wt. Gr. Jt. Union - Type 304 Stainless Steel.
	4	1" 90° Std. Wt. Ell - Type 304 Stainless Steel.
	2	1" Std. Wt. Cap Type 304 Stainless Steel.
		Stainless Steel Ftgs. - should be threaded.
		Delivery required by November 8, 1965.

ACKNOWLEDGMENT

THIS ACKNOWLEDGMENT MUST BE RETURNED PROMPTLY WITH FIRM PROMISE DATE & PRICE FOR EACH ITEM SHOWN IN LAST COLUMN.

Guadalupe Banda
Cause No. 97-3798-C

THIS ORDER IS ACCEPTED SUBJECT TO ALL TERMS & CONDITIONS STIPULATED THEREON.

FIRM NAME

SHIPPING DATE

YOUR ORDER NO.

ACCEPTED BY

D&E 00734

J-90755

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

RECEIVED AT ERIE

STEAM POWER PLANT EQUIPMENT

Date Issued November 12, 1965

Kentube Company
P.O. Box 7280
Tulsa, Oklahoma

S-90755 -69378

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION
		Furnish 31 Pcs. 1-1/2" Sch. 40 seamless steel pipe x 11' 0" and 283 Pcs. 1-1/2" Sch. 40 Seamless Steel Pipe x 10' 5-1/4" Long. Both ends beveled for welding with 35° bevel. ASTM-A-106 Gr. "B".
		Furnish Mill Test Reports for above.
		Apply by welding to each pipe 10' 0-1/2" (± 1/2") length of "Kentube" Helical Fins - #16 Ga. - 3/4" High - 3 fins per inch.
		On 283 Pcs. start fins 3-1/4" from one end of pipe and 1-1/2" from opposite end. On 31 Pcs. start fins 3-1/4" from one end of the pipe and 8-1/4" from opposite end.
		Note: This material replaces material damaged in transit on our P.O. S-90755-68824 and your #J-771-11.
		Price - - - - - - - - - - - - - - - - - - - $7,619.00 fob Tulsa, Oklahoma.
		Delivery required as soon as possible. RUSH!
		Confirming order.

ACKNOWLEDGMENT

THIS ACKNOWLEDGMENT MUST BE RETURNED PROMPTLY WITH FIRM PROMISE DATE & PRICE FOR EACH ITEM SHOWN IN LAST COLUMN.

Guadalupe Banda
Cause No. 97-3793-C

THIS ORDER IS ACCEPTED SUBJECT TO ALL TERMS & CONDITIONS STIPULATED THEREON.

FIRM NAME Kentube

YOUR ORDER NO. J-815 11

SHIPPING DATE [illegible] Nov 22

ACCEPTED BY [signature]

D&E 00735

RECEIVED AT ERIE

NOV 22 1965

8,9,10,11,12,1,2,3,4,5

KENTUBE Company

PHONE HICKORY 6-4561

SOUTH ELWOOD [illegible] 41st STREET
TULSA, OKLAHOMA

November 17, 1965

Union Iron Works
Erie, Penna.

Attention: W. S. Waiter

Subject: YOUR P.O. S-90755-69378
OUR JOB J-815-11

Gentlemen:

We wish to acknowledge and thank you for the above order covering a quantity of Heavy Duty, Continuously Welded KENTUBES described as follows:

Item 1 Thirty One (31) A-106-B tubes, 1.9" O.D. with 0.145" average wall, 11'-0" long, finned 10'-0 1/2" long, 36 fins per foot, 0.060" thick, 3/4" high, Carbon Steel

Item 2 Two Hundred and Eighty Three (283) same as above except tubes to be 10'-5 1/4"

PRICE FOR TUBES AND FINS _____ $7,214.00
Estimated Weight - 22,130#

The above price is f.o.b. our plant, Tulsa, Oklahoma, subject to theConditions of Sale attached. Delivery can be made on an over-time premium basis the week of November 22, 1965, with possible improvement to the week of November 15. The additional charge for this rush delivery is $405.00.

Thank you for directing your order to KENTUBE.

Very truly yours,

KENTUBE COMPANY

B. G. Martin

BGM:jd
cc--P. F. Sherman Company

D&E 00736

Guadalupe Banda
Cause No. 97-3793-C

S-90755

KENTUBE Company

PHONE HICKORY 6-4561

SOUTH ELWOOD AT 41ST STREET
TULSA, OKLAHOMA 74107

RECEIVED
AT ERIE
DEC - 3 1965
8,9,10,11,12,1,2,3,4,5

December 1, 1965

Union Iron Works
Erie, Pennsylvania

Attention: Mr. W. S. Walter

Subject: Your P.O. S-90755-69378
Our Job J-815-11

Gentlemen:

In accordance with your instructions we attach five copies of Mill Test Reports covering the pipe furnished on the above order.

If you require any additional information, please advise.

Very truly yours,

KENTUBE COMPANY

Dallas R. Rose

Dallas R. Rose

DRR:sa

D&E 00737

Guadalupe Banda
Cause No. 97-3700-C

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

STEAM POWER PLANT EQUIPMENT

PURCHASING DEPT. COPY

Date Issued: November 19, 1965

Allegheny Pipe & Supply Co.
P.O. Box 9340
Pittsburgh, Pennsylvania

S-90755 -69487

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION	DATE RECEIVED
	4	8" x 4" Sch. 80 Buttweld Concentric Reducer.	
	4	Weld Ring - 7.625" O.D. of Ring - Flat Pin Type.	
	4	4" 600# Welding Neck Flange - Bore 3.83"	
	2	1-1/2" 300# Welding Neck Flange - Bore 1.50"	
		Delivery required as soon as possible.	
		RUSH!	

Guadalupe Banda
Cause No. 97-3799-C

CAR NO. _____ VIA _____

WEIGHT _____ CHARGES _____

D&E 00738

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

RECEIVED AT ERIE

NOV 23 1965

STEAM POWER PLANT EQUIPMENT

Date Issued November 19, 1965

8,9,10,11,12,1,2,3,4

S-90755 -69487

Allegheny Pipe & Supply Co.
P.O. Box 9340
Pittsburgh, Pennsylvania

Express

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION
	4	3" x 4" Sch. 30 ButtWeld Concentric Reducer.
	4	Weld Ring - 7.625" O.D. of Ring - Flat Pin Type.
	4	4" 600# Welding Neck Flange - Bore 3.83"
	2	1-1/2" 600# Welding Neck Flange - Bore 1.50"

Delivery required as soon as possible.

RUSH!

ACKNOWLEDGMENT

THIS ACKNOWLEDGMENT MUST BE RETURNED PROMPTLY WITH FIRM PROMISE DATE & PRICE FOR EACH ITEM SHOWN IN LAST COLUMN.

THIS ORDER IS ACCEPTED SUBJECT TO ALL TERMS & CONDITIONS STIPULATED THEREON.

Guadalupe Banda
Cause No. 97-3793-C

FIRM NAME

YOUR ORDER NO.

SHIPPING DATE 11/26

ACCEPTED BY

D&E 00739

11-22-65 kh

ALLEGHENY PIPE & SUPPLY COMPANY

P. O. BOX 9340

PHONE: (AREA CODE 412) 264-7100 771-5065

PITTSBURGH 25, PA.

RECEIVED

CUST. ORDER NO.	CUST. REQ. NO.	CUST. ORDER DATE	CONTRACT NO.	INVOICE DATE	INVOICE NO.
S-9075-69487		11-19-65		VCM	

SOLD TO — UNION IRON WORKS
Erie
Pennsylvania 16512

SHIP TO — SAME 4

DATE SHIP	VIA	SHIPPED FROM	F.O.B.	PREPAID / COLLECT	TERMS

ORDER	B. O.	SHIPPED	DESCRIPTION	LIST	GROSS	TOTAL	DISCOUNT	NET
4			8 x 4" Sch 80 B/W Conc Reducers					
4			7.625" OD Flat Fin Type Weld Neck					
4			4" 600# Weld Neck Flanges					
			Bore 3.83"					
2			1-1/2" 600# Weld Neck Flanges					
			Bore 1.50"					

ACKNOWLEDGMENT

Guadalupe Banda
Cause No. 97-3703-C

D&E 00740

S-90755

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PENNSYLVANIA

UNION

STEAM GENERATING AND
PROCESS HEATING EQUIPMENT

December 3, 1965

Allegheny Pipe & Supply Co.
P.O. Box 9340
Pittsburgh, Pennsylvania

Our Purchase Order No. S-90755 - 69487
Your Order No.
Date of Order November 16, 1965

Gentlemen:

We require the following information to bring our records up to date:

_____ Please acknowledge.
_____ Drawings required. In your schedule and will be mailed _____.
_____ Transparencies required. Will be mailed _____.
__X__ Waiting for material. Will be shipped (complete) (partial) on _____.
_____ Please forward shipping papers.
_____ Please forward required insurance certificates.

This data is requested by return mail. Please expedite and advise immediately.

Very truly yours,

UNION IRON WORKS

W.S. Waiter

W.S. Waiter
Purchasing Agent

WSW/gcl

* Delivery is required as soon as possible.

Guadalupe Banda
Cause No. 97-3793-C

D&E 00741

RECEIVED
AT ERIE

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION
ERIE, PENNSYLVANIA

STEAM GENERATING AND
PROCESS HEATING EQUIPMENT

December 3, 1965

Allegheny Pipe & Supply Co.
P.O. Box 9340
Pittsburgh, Pennsylvania

Our Purchase Order No. S-90755 - 69487
Your Order No.
Date of Order November 16, 1965

Gentlemen:

We require the following information to bring our records up to date:

_____ Please acknowledge.
_____ Drawings required. In your schedule and will be mailed _____.
_____ Transparencies required. Will be mailed _____.
__X__ Waiting for material. Will be shipped (complete) (partial) on _____.
_____ Please forward shipping papers.
_____ Please forward required insurance certificates.

This data is requested by return mail. Please expedite and advise immediately.

Very truly yours,

UNION IRON WORKS

W.S. Waiter
W.S. Waiter
Purchasing Agent

WSW/gcl

* Delivery is required as soon as possible.

Delivery week ending 12-6-65

Guadalupe Banda
Cause No. 67-3793-C

Guadalupe Banda
Cause No. 67-3793-C

11-22-65 kh

ALLEGHENY PIPE & SUPPLY COMPANY

P. O. BOX 9340

PHONE: (AREA CODE 412) 264-7100 771-5065

PITTSBURGH 25, PA.

CUST. ORDER NO.	CUST. REQ. NO.	CUST. ORDER DATE	CONTRACT NO.	INVOICE DATE	INVOICE NO.
8-90755-69487		11-19-65			

SOLD TO — UNION IRON WORKS
Erie
Pennsylvania 16512

SHIP TO — SAME

DATE SHIP	VIA	SHIPPED FROM	F.O.B.	PREPAID / COLLECT	TERMS
12/65					

ORDER	B. O.	SHIPPED	DESCRIPTION	LIS	GROSS	TOTAL	DISCOUNT	NET
4		(4)	8 x 4" Sch 80 B/W Cone Reducers					
4		4	7.625" OD Flat Pin Type Weld Ring					
4		(4)	4" 600# Weld Neck Flanges -					
			Bore 3.83"					
2		(2)	1-1/2" 600# Weld Neck Flanges -					
			Bore 1.50"					

PACKING SLIP

Short K

Checked OK 12/11/65

Gustafson Bands — Cause No. 97-3703-C

D&E 00743

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

STEAM POWER PLANT EQUIPMENT

PURCHASING DEPT. COPY

Date Issued December 10, 1965

S-90755-69627

Curtze & Crawford
1103 Bacon Street
Erie, Pennsylvania

& Stock

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION	DATE RECEIVED
		S-90755	
	48	Bar 3/4" x 3 x 11' 1-5/8".	
	4	Bar 3/4" x 3" x 11' 0-11/16"	
		Stock	
	1000	Ft. 3/8" Sq. Hot Roll Bar.	
		Delivery required on December 13, 1965.	
		Confirming order.	

Guadalupe Banda
Cause No. 97-9783-C

NO. _____ VIA _____

WEIGHT _____ CHARGES _____

D&E 00744

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

~ 90755

RECEIVED AT ERIE

DEC 14 1965

STEAM POWER PLANT EQUIPMENT

Date Issued December 10, 1965

8,9,10,11,12,1,2,3,4,5

S-90755 - 69627

Curtze & Crawford
1103 Bacon Street
Erie, Pennsylvania

& Stock

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION
		S-90755
	48	Bar 3/4" x 3 x 11' 1-5/8".
	4	Bar 3/4" x 3" x 11' 0-11/16"
		Stock
	1000	Ft. 3/8" Sq. Hot Roll Bar.
		Delivery required on December 13, 1965.
		Confirming order.

ACKNOWLEDGMENT

Guadalupe Banda
Cause No. 67-3703-C

THIS ACKNOWLEDGMENT MUST BE RETURNED PROMPTLY WITH FIRM PROMISE DATE & PRICE FOR EACH ITEM SHOWN IN LAST COLUMN.

THIS ORDER IS ACCEPTED SUBJECT TO ALL TERMS & CONDITIONS STIPULATED THEREON.

FIRM NAME Curtze & Crawford, Inc. SHIPPING DATE

YOUR ORDER NO. 572810 12-13-65

ACCEPTED BY

D&E 00745

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

STEAM POWER PLANT EQUIPMENT

Date Issued December 29, 1965 PURCHASING DEPT. COPY

S-90755 - 69798

Kee Klamps North America Ltd.
1079 William Street
Buffalo, New York

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION	DATE RECEIVED
		Gascoigne Kee Klamp Fittings - All Galvanized.	
	50	#64-7 Railing Support.	
	48	#10-7 Single Socket Tee.	
	36	#15-7 90° Elbow.	
	12	#25-7 90° Three Socket Tee	
	16	#26-7 Two Socket Cross.	
	6	#20-7 Side Outlet Elbow.	
		Delivery required in our plant by January 7, 1966.	

Guadalupe Banda
Cause No. 97-3793-C

NO. _____ VIA _____

WEIGHT _____ CHARGES _____

D&E 00746

UNION IRON WORKS

A DIVISION OF RILEY STOKER CORPORATION

ERIE, PA.

RECEIVED AT ERIE

JAN 5 1966

STEAM POWER PLANT EQUIPMENT 8,9,10,11,12,1,2,3,4,5

Date Issued December 29, 1965

Specified & ... Ship- ... Express MUST be ... Acceptance

S-90755 -69798

Kee Klamps North America Ltd.
1079 William Street
Buffalo, New York

Ship - CHEAPEST WAY- unless specified below

ITEM	QUANTITY	DESCRIPTION
		Gascoigne Kee Klamp Fittings - All Galvanized.
	50	#64-7 Railing Support.
	48	#10-7 Single Socket Tee.
	36	#15-7 90° Elbow.
	12	#25-7 90° Three Socket Tee
	16	#26-7 Two Socket Cross.
	6	#20-7 Side Outlet Elbow.
		Delivery required in our plant by January 7, 1966.

ACKNOWLEDGMENT

Guadalupe Banda
Cause No. 97-3798-C

THIS ACKNOWLEDGMENT MUST BE RETURNED PROMPTLY WITH FIRM PROMISE DATE & PRICE FOR EACH ITEM SHOWN IN LAST COLUMN.

THIS ORDER IS ACCEPTED SUBJECT TO ALL TERMS & CONDITIONS STIPULATED THEREON.

FIRM NAME Kee Klamps N A SHIPPING DATE 12/31/65

YOUR ORDER NO.

ACCEPTED BY R. Glanowski

D&E 00747

1/3/66

KEE KLAMPS NORTH AMERICA LIMITED

KEE KLAMPS AND KEE KLAMP STRUCTURES

INVOICE NO. 5'90700

PHONES TL 6-8295, TL 6-8296
P.O. BOX 945 BUFFALO, N. Y. 14240

SOLD TO. Union Iron
Erie, Pa.

SHIPPED TO.

DATE OF ORDER	YOUR ORDER NO.		SHIP VIA	DATE SHIPPED	BACK ORDER NO.
12.29.65	69798		C.A.B.Y.	12/31/65	

QUANTITY ORDERED	QUANTITY BACK ORDERED	DESCRIPTION	QUANTITY SHIPPED	UNIT PRICE	EXTENSION	TOTAL
50		6A-7 Kee Klamps Galv.	50			
48		10-7 " " "	48			
36		15-7 " " "	36			
12		25-7 " " "	12			
16		26-7 " " "	16			
6		20-7 " " "	6			

Mat'l in Tube Shop
Checked OK
OK 1/5/66

TERMS: 1% 10 DAYS - NET 30 DAYS

PACKING SLIP

Guadalupe Banda
Cause No. 97-3753-C

D&E 00748

DR. BY WVB
CK. BY WW
SL = SHIP LOOSE
CONTRACT NAME SOUTHWESTERN OIL & REFINING CO.

UNION IRON WORKS
A.D. ION OF RILEY STOKER CORPORATION

Five

CONTRACT NO. S-90755

PART SCHEMATIC PIPING DATE 9-23-65 REV. 1 10-15-65 ZIMM ITEM # 73 WAS 2-8 1/2 " # 76 " 18 3/4

DWG. NO. W-1030 & A THIS BILL OF MATERIAL IS FOR ONE UNIT ONLY 2 UNITS ON CONTRACT

LINE	SL	MARK	USE	DESCRIPTION	W'T.	MATERIAL	REMARKS	COST
1		63	10	FLAT PIN TYPE WELD RINGS FOR				
2				4" SCH. 80 PIPE				
3		64	1	4"-45°, "X"-STRONG, LG. RAD.				
4				BUTTWELD ELLS				
5		65	11	LIN. FT. 4" SCH. 80 SMLS. PIPE				
6				A106, GR-B				
7		66						
8	1	67		GASKET FOR 1 1/2"-600# RF FLG. (FLEX) ECON. RELICE				
9	4	68		3/4 x 5" LG. STUD BOLTS/2 NUTS EA. (LOW) ALLOY STL				
10		69	1	NEMA CABINET CONTAINING				
11				(2) IGNITION TRANSFORMERS				
12				& (2) 48" LG. HARNESS LEADS				
13		70	1	12" STM. GA. BRACKET FOR				
14				FLUSH MOUNTED GAGE PER				
15				U.I.W. STD. SE-36				
16		71						
17		72						
18								
19				ITEMS 73-89 (SUPPORTS)				
20								
21				(DETAIL "A")				
22		73	1	2"x2"x1/4" ANGLE x 2'-7 1/2" LG.				
23		74	1	1 1/2"x1 1/2"x3/16" ANGLE x 2'-9 1/2" LG.				
24		75	1	DIAMOND # 408 U-BOLTS FOR				
25				3/4" PIPE				
26								
27				(DETAIL "B")				
28		76	1	2"x2"x1/4" ANGLE x 18 1/4" LG.				
29		77	1	DIAMOND # 410 U-BOLT FOR				
30				1 1/4" PIPE				
31								
32								
33								
34								
35								
36								

Guadalupe Banda
Cause No. 67-5790-C

D&E 00749

OVERBLOWN DOCUMENTS

WITHIN THE CONTENT OF THIS EXHIBIT ARE NOT IMAGED