

TITLE SHEET

81B124

DATE 12- 1-81

INVOICE NAME THE PRO-QUIP CORP. ADDRESS 5561 SO. LEWIS TULSA, OK 74105

ATTENTION
ACCTS. PAYABLE

PRINTS THE PRO-QUIP CORP. 5561 SO. LEWIS TULSA, OK 74105

KERRI MORRIS

INSPECTION THE PRO-QUIP CORP.

SHIP THE PRO-QUIP CORPORATION PRO-QUIP SHOP TULSA, OK

DON RAMSEY

SHIPPER TAG AC-715 FRT PREPAID

PRICE 25436. TERMS 1. 0 PERCENT WITH DRAWINGS
P.O. NO. 1020-208 2. 0 PERCENT 4 WKS AFTER 1ST INVOICE
P.O. DATE 5-21-81 3. 0 PERCENT 8 WKS AFTER 1ST INVOICE
FREIGHT ALLOWED 0. 4. 0 PERCENT 12 WKS AFTER 1ST INVOICE
EXPORT PACKING 0. 5. 0 PERCENT RECEIPT OF TUBES
6. 0 PERCENT COMPLETION OF FINNING
7. 0 PERCENT 0- 0- 0
8. 100 PERCENT COMPLETION

TAX EXEMPTION NO.
CUSTOMER TERMS NET 30
INVOICE: ORIGINAL AND 3 COPIES
EXPORT PKG.

COMMISSION 3.48 AGENTS: 25% SIMPSON 25% SIMPSON
25% SIMPSON 25% SIMPSON

PRINT REQUIREMENTS - TYPE	COPIES MAILED	TYPE	COPIES MAILED
EQUIPMENT OUTLINE-APPROVAL-PRINT	10	ASME U-1	10
EQUIPMENT OUTLINE-APPROVAL-SEPIA	0	PLANT MATERIAL REPORT	0
EQUIPMENT OUTLINE-FINAL-PRINT	10	MATERIAL MILL TEST REPORT	10
EQUIPMENT OUTLINE-FINAL-SEPIA	0	NANE PLATE RUBBING	0
DETAIL DESIGN-PRINTS	3	HYDROSTATIC TEST CHART	0
FABRICATION DETAILS	0	HEAT TREAT CHART	0
INSTALLATION & OPERATING INSTRUCT	10	WELD PROCEDURE & WELDER QUALIF.	0
PARTS LIST-UNPRICED	0		
PARTS LIST-PRICED	10		

INSPECTION CHARPHY IMPACT TEST (0) PSI AT 0 DEGREES

RADIOGRAPH 10 INCH SHOT PARTS 1-COVER 1-END PER HEADER
HYDROSTATIC TEST TIME 60.0000
HALIDE TEST
SPECIAL TEST &/OR INSPECTION
NOTIFICATION BEFORE FABRICATION 5 DAYS
NOTIFICATION BEFORE HYDRO.TEST 5 DAYS
NOTIFY THE PRO-QUIP CORP.

REQUIRED DATE 11- 2-81 19 WKS AFTER APPROVAL CUSTOMER P.O. WORK SHEET

JOB NO.818124

QTY
SHIP REQ

DESCRIPTION

DATE: 6-24-81

APPROXIMATE
SIZE(FT)(L X W X H) WEIGHT(EA)
13.5 X 8.0 X 7.5 1000.

P.O. NO.

1 SAITHCO MODEL 1 F12- 80-1 AIR COOLED HEAT EXCHANGER
QUANTITIES LISTED BELOW ARE PER BAY

2 **END PANEL #54
2 **SIDE PANEL #58
2 **FAN DECK PANEL #61
4 **PANEL CONNECTOR #5-75
2 **HALF FAN DECK #60
2 ~~2~~ **CORNER COLUMN #5-79A & B
4 ~~4~~ **AIR CLOSER #5-79
1 **DRIVE FRAME #63
1 **MOTOR MOUNT #64
1 **DRIVE ADJUSTMENT ROD
1 **BELT GUARD #5-58
2 **HALF FAN GUARD #5-102-07A
2 **CENTER FAN GUARD #5-102-07B
8 **FAN GUARD CLIP #5-106

1 ** 84 INCH 4 BLADE RH AUTO VAR PITCH MODEL 924S
2 ** 1.9375 FLANGE BEARINGS FB 350
1 ** BAND OF (4) 3V 850 POWERBAND BELTS
1 ** 4 GROOVE 3VBD- 5.00 SHEAVE WITH 1.3750 BORE .3125
1 ** 4 GROOVE 3VBD-19.00 SHEAVE WITH 1.9375 BORE 1.0000
1 ** 1.9375 X 29.0000 SHAFT WITH .5000 X .2500 KEYWAY
1 ** 10.0 HP ELECTRIC MOTOR FRAME 21ST CHEN DUTY 1750 RPM TEFC
1 ** ROBERT-SHAW 365-D8 VIBRATION SWITCH

TOTAL STEEL = 2267. #

J3767
J3768

TOTAL MECHANICAL 481.

J3769
J3770
J3771

1 FINTUBE BUNDLE ITEM: AC-715 SERVICE: EXPANDER COMPR DISCH
1 SHUTTERS ALUMINUM-STD
1 OPERATOR MANUAL
1 GALVANIZED STEEL #16 EXPANDED METAL HAILSSCREEN

13.4 X 8.0 X 1.5 7827.
13.4 X 8.0 X .2 004.
13.4 X 8.0 X .2 004.
13.4 X 8.0 X .2 004.

J3766

** - SHIPPED ASSEMBLED

TOTAL BUNDLE 9442.
TOTAL BAY WEIGHT 12040.

* SHIP TO NEECE STEEL

EXPORT PREPARATION:

SHIPPING INSTRUCTIONS:
CONTACT: TULSA PRO-QUIP, INC.
TELEPHONE: DON RANSEY
NOTIFICATION TIME: 0 DAYS

SHIP TO: THE PRO-QUIP CORPORATION
4450 Samino Rd.
TULSA, OK

P.O. NO.: 1020-208
TAG :
TRUCKER:

PREPAID

SHIPPING LIST

DATE THIS SHIPMENT 11- 2-81

JOB NO. 81B124

*Shipped
11-25-81*

G

SECTION SPARE PARTS

COIL DESIGN 1
TUBE DESCRIPTION 1.0-0.110x12 FT.
FIN TYPE L-10
QTY RECOMMENDED 3
PRICE EACH

COIL DESIGN 1
PLUG DESCRIPTION A-105-1822
GASKET DESCRIPTION CS-1813
SETS RECOMMENDED 10
PRICE PER SET

TUBE ROLLING PACKAGE OF
PLUG WRENCH HANDLE 3/4" DIA. x 22" LG.,
SOCKET SIZE 6 PT. 1 3/8
ROLLING KIT 1245-14
PRICE PER PACKAGE M62-14
R-17

DRIVE SPARE PARTS

DRIVE PACKAGE OF
~~ONE BAND V-BELTS (QTY.)~~ 4 GR. - 3V-850
ONE SHAFT - DIA X LENGTH 1 15/16 x 29
(2) BEARINGS - PART NO. 1 15/16 SC FLANGE
PRICE PER PACKAGE

- NOTE I. WHEN ORDERING PARTS GIVE MAKE SIZE MANUFACTURERS SERIAL NO. AND PART NO. (IF AVAILABLE) AND SMITHCO JOB NO.
II. PRICES SUBJECT TO CHANGE WITHOUT NOTICE



SMITHCO

TOOL + SPARE PARTS LIST
THE PRO-EQUIP CORP.

JOB NO. 818-124
P.O. 1020-208
DATE 6/25/81



AIR COOLED EXCHANGER SPECIFICATION SHEET

Date **6-24-81**
Proposal No. **818124 1**
Reference **1020-208**
Item No. **AC-715**

1 Customer **THE PRO-QUIP CORP.**
2 Plant Location **CONOCO-CLINTON**
3 Service **EXPANDER COMP DISCH**
4 Model **1 F12- 80-1** Type **FORCED** No. of Bays **1**
5 Surface per Unit-Finned Tube **13,510** Sq. Ft. Bare Tube **638.2** Sq. Ft.
6 Heat Exchanged **745,600** BTU/Hr. MTD (Eff.) **15.06** °F
7 Transfer Rate-Finned Tube **3.76** ; Bare Tube, Service **79.7** Clean BTU/Hr. Sq. Ft. °F

PERFORMANCE DATA-TUBE SIDE

9 Fluid Name **NAT. GAS** Lethal Service (Yes)(No)
10 Total Fluid Entering **77,290** Lb/Hr Density **.724** Lb/Cu Ft
11 IN OUT Specific Heat (Liq/Vap) BTU/Lb °F **1.600** **1.600**
12 Temperature °F **135.0** **120.0** Cond. (Liq/Vap) BTU/Hr Ft °F **1.0200**
13 Liquid Lb/Hr Pour/Freeze Point °F
14 Vapor Lb/Hr (MW) **77,290(16.3)** **77,290(16.3)** Bubble Point °F
15 Noncond Lb/Hr (MW) Latent Heat BTU/Lb
16 Steam Lb/Hr Pressure Psia **284.80**
17 Water Lb/Hr Pressure Drop Allow/Calc Psi **4.00/ 4.34**
18 Viscosity (Liq/Vap) Cp **1.013** **1.013** Fouling Resistance, Inside **.0010**

PERFORMANCE DATA-AIR SIDE

19 Air Quantity SCFM **51,460** Lb/Hr **231,600** Altitude Ft **1,625**
20 Air Quantity/Fan ACFM **57,770** Temperature In °F **105.0**
21 Temperature Out °F **118.7**

DESIGN-MATERIALS-CONSTRUCTION

24 Design Pressure **425** Psig Test Pressure **437** Psig Design Temperature **300** °F
25 TUBE BUNDLE HEADER, Type **PLUG BOX** TUBE, Material **SA-214 WLD**
26 Size **8.0 X 12.** Material **SA-515 GR-70**
27 No. **1** No. Tube Rows **5** No. Passes **2** Slope **.06** In/Ft OD **1.000** In. Min. Thick. **.1100** In.
28 Bays **1** In Parallel In Series Plug **A105-1822** No./Bundle **203** Length **12.0** Ft.
29 Bundles **1** In Parallel In Series Gasket **CS-1813** Pitch **2.3125** In. Δ
30 Bundle Frame **A-36** Corrosion Allowance **.1250** In. FIN Type **1-TENSION**
31 Walkway Size Inlet Nozzle **(1)10 SCH XS SA-106** In. Material **ALUM**
32 Hallscreens YES Size Outlet Nozzle **(1)10 SCH XS SA-106** In. OD **2.250** In. Stock Thick. **.018** In.
33 Windload **30.** PSF Sels Rating & Facing **300-RF SA-105** In. No./In. **10.0**
34 Surface Prep **MSB 1 COAT BRAND NAME PRIME** Vent **1-6000** Drain **1-6000** C Code-ASME VIII, Div. 1 Stamp **ASME**
35 Louvers **ALUM (1) MANUAL** TI **1-6000** PI Radiograph **YES API-** Heat Treat **NO**
36 Vibration Switch **ROBS365-DB** Surface Prep **MSB 1 COAT BRAND NAME PRIME** Tube Hole Grooving **DG**

MECHANICAL EQUIPMENT

37 FAN Mfg & Model **CHITTON 924S** DRIVER Type **ELECTRIC MOTOR** SPEED REDUCER Type **V-BELT**
38 No./Bay **1** RPM **457** S.F. **1.15** Insulation **CLASS F** BELTS (4) - **850** SHEAVES **19.0/5.0**
39 Dia. **7** Ft. No. Blades **4** No./Bay **1** Frame **215T** HP **10.0** No./Bay **1**
40 Pitch **AUTO VAR** Angle **27.6** RPM **(1)1750** Duct **CHEN** HP Rating **22.8** Ratio **3.8** /1
41 Matl. Blade **ALUMINUM** Hub **CASTALUM** Enclosure **TEFC** V & Wld Support: **SUSPENDED FROM STRUCTURE**
42 HP/Fan, Des. **7.0** DBA **85** V/P/C **460/3/60** Space Heater **YES**

43 Control Action on Air Failure-Fan Pitch: Min./Max./Lockup: Louvers: Open/Closed/Lockup
44 Recirculation-None ; Internal ; External Over Side/End Steam Coil-Yes/No **222**

Notes:

ASSEMBLED DRIVE, STRUCTURE & BUNDLES (WITHIN SHIPPING RESTRICTIONS)

56 Plot Area **12 X 8.0** Proposal Drawing No. Weight Bundle **8,662** Lbs. Shipping **14,200** Lbs.

SERIES BLADES HP ANGLE EFF DBA 63 125 250 500 1K 2K 4K 8K
924S 4 6.66 27.1 77.3 85.9 98 95 90 83 80 78 72 66

V-BELT DRIVE 3VB0 19.0/ 5.0- 4(850) HP 22.8 DIA 1.938 C.D. 22.9 BRG LD 560.

MOTOR HP 10.0 FRAME 21ST TEFC SPEED 1750./ 0. VOLT 460. PHASE 3. CYCLE 60.
TYPE MTR CHER S.F. 1.15 INSUL CLASS F VENT & DRAIN V80

MODEL FAN DIA BL HP AMP RACF ASP AIR ELEV DBA PITCH RPM TIPSPEED
1 F12- 80-1 7 4 7.0 10.0 57 .420 105 1625 85.9 27.1 457.1 10051.

STRUCTURE	QTY	WEIGHT-EA.		QTY	WEIGHT	PRICE
PANELS END	2	153.	STRUCTURAL	1	3270.	4120.
END CENTER	0	0.	FINISH			635.
SIDE	2	192.	FAN-1	1	215.	2594.
SIDE CENTER	0	0.	2	0	0.	0.
COLUMNS	4	149.	MOTOR-1	1	162.	492.
BRACE	8	23.	2	0	0.	0.
DRIVE FRAME	1	618.	DRIVE REDUCER-1	1	38.	143.
FAN DECK	2	531.	2	0	0.	0.
FAN GUARD	1	120.	VIBRATION SWITCH	1	0.	555.
TOTAL		3270.	BUG SCREENS	1	0.	0.
WALKWAY			RECIRCULATION			
INLET END	0	0.	SHUTTERS DUCT	0	0.	0.
RETURN END	0	0.	SIDE	0	0.	0.
DRIVE	0	0.	END	0	0.	0.
SIDE	0	0.	OPERATORS DUCT	0	0.	0.
LADDER	0	0.	SIDE	0	0.	0.
CAGE	0	0.	END	0	0.	0.
TOTAL		0.	MECHANICAL EQUIP TOT	3685.		8539.
SUPPORT BEAM	0	0.	ASSEMBLY			
RECIRCULATION			STRUCTURE	0.		507.
PANELS END	0	0.	DRIVE	0.		135.
SIDE	0	0.	BUNDLES	0.		101.
TOP END	0	0.	TOTAL	0.		743.
TOP SIDE	0	0.				
TOTAL		0.				
FINTUBE BUNDLE-01 EXPANDER COMPR DISCH				8668.		15419.
			TOTAL	8668.		15419.
			GRAND TOTAL	12353.		24701.

THE PRO-QUIP CORP. CONOCO-CLINTON

6-24-81 10: 5 8181241

THERMAL DESIGN SERVICE NO. 1

TUBE VEL 107.315 PD -.2378 NOZZ VEL 43.681 PD .2495
 Z R P AIR SURF TL TEMP RTD RE Z H-I T-W PD U FPS NBTU
 5 2 1 105 5405. 12.0 126 14.9 593293. .01 214 115 2.21 4.1 107 334.
 5 3 1 111 7930. 11.7 135 15.2 395528. .01 155 121 3.27 3.6 73 766.
 TUBE VEL 73.393 PD .7803 NOZZ VEL 44.811 PD .2559 MOMENTUM PD .0000

T UD US RTD A-OUT PD C TF RV PS TL CW FV SURFACE HP MSCF ASP
 3 3.8 3.8 15.1 118.7 4.3 1 41 5 2 12 7.96 542 13512. 6.9 51 .420
 COIL DESIGN PARAMETERS SERVICE NO. 1

1.DESIGN PRESSURE - 425. TEST PRESSURE - 638.
 2.DESIGN TEMPERATURE - 300.
 3.CORROSION ALLOWANCE - .1250
 4.NOZZLES-IN/OUT QTY 1/ 1 SIZE 10.8/10.8 VEL. 44.8/ 43.7 PD .26/ .25
 5.PE-IN/OUT SCND XS /XS WALL ACT. .500/ .500 CALC .276/ .276
 6.FLANGE RATING - 300. FACE RF
 7.SPANTHK)INLET/RET COV- 9.94(1.248)/ 3.19(.504) TS- 9.63(1.213)/ 9.63(1.213)
 8.NOZZLE LOCATION - IN-TOP OUT-BOTTOM
 9.PLUG -A1051822 GASKET- CS1813

ACTUAL PLATE THICKNESS

FRONT TS PS COV END PASS TIE /BACK TS PS COV END PASS TIE
 1.125 1.125 1.125 .500 .500 .375 1.625 1.625 .625 .500 .500 .375

FINITUBE BUNDLE SPECIFICATIONS 4 172

01.FIN TYPE-L-TENSION CL- 2.313 FIN/IN-10.0 HEIGHT-.625

02.HEADER TYPE -PLUG BOX

03.CODE STAMP -ASME 1980 ASME DESIGN

04.TUBE SHEET MCH -DG

05.STRESS RELIEVE -NO TEMP- 0. F. TIME- 0.MIN.

06.RADIOGRAPH -YES SIZE-10. QTY-API-661

07.IN.PLATE TS- .750 PS- .750 COVER- .500 PASS- .500

08.CPLG VENT- 1-6000 DRAIN- 1-6000 TEMP- 1-6000 PRESS-

09.HEADER MATL -SA-515 GR-70 STRESS- 17500./ 17500.

10.CORR ALLOW - .1250

11.TUBE MATL -SA-214 WLD 0.D.-1.000 STRESS- 10000. WALL- .1100

12.FLANGE MATL -SA-105 PIPE-SA-106B RIN.SCHD-XS

13.FINISH HEADER-SSPC-SP- 5. P- 4.13 FRAME-SSPC-SP- 6. P- 4.13

14.SLOPE(IN/FT) - .06

15.SHUTTER -ALUMINUM-STD OPERATOR-(1) MANUAL

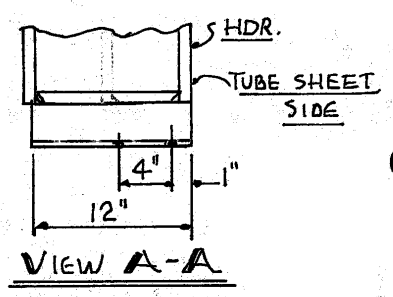
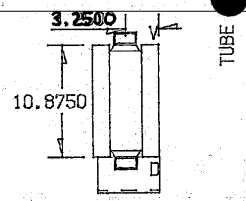
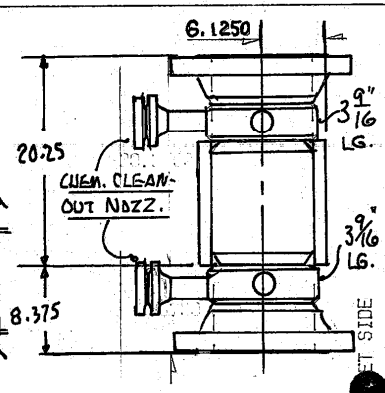
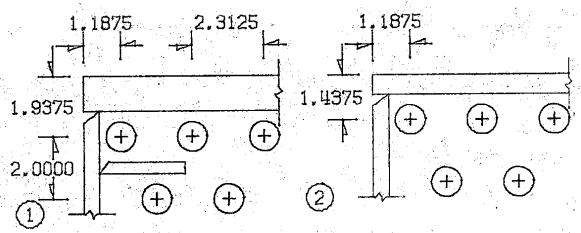
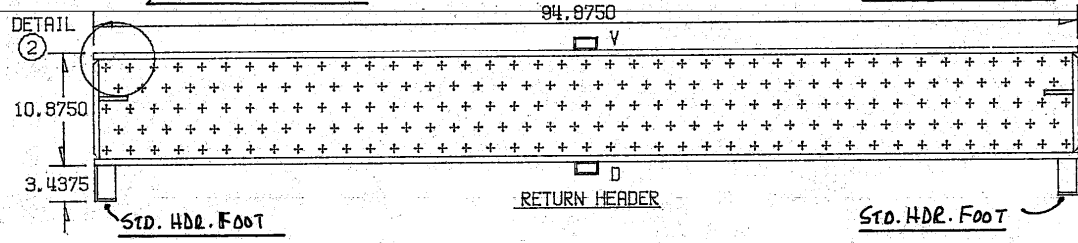
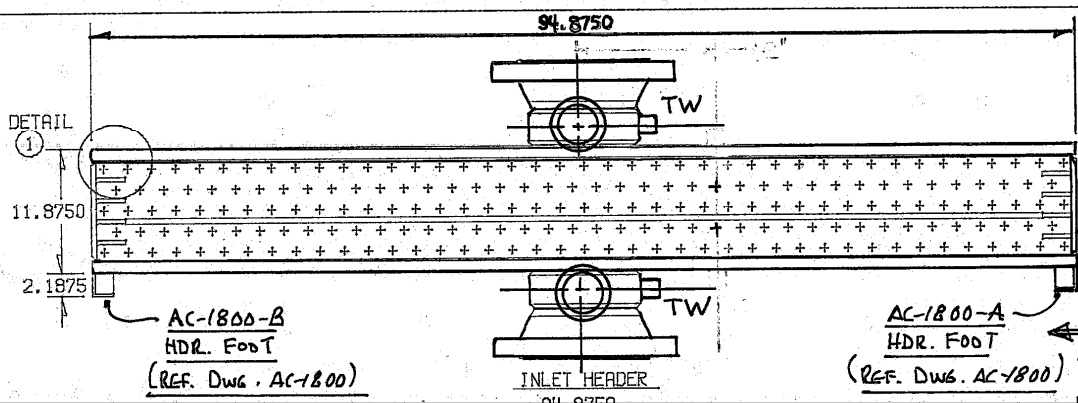
16.PLUG -A105-1822 GASKET- CS-1813

17.HAILSSCREEN -YES

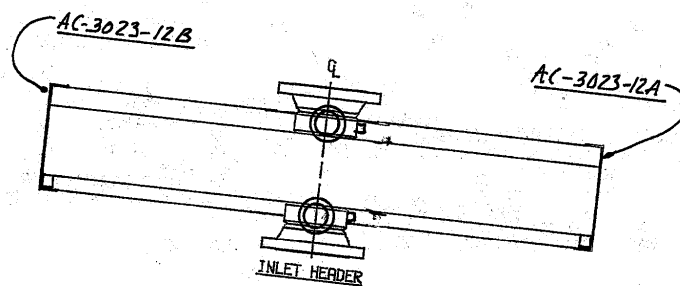
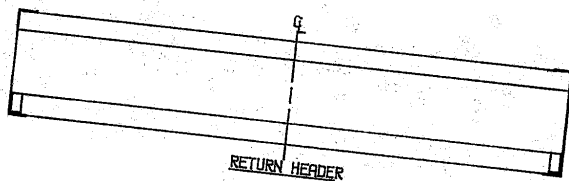
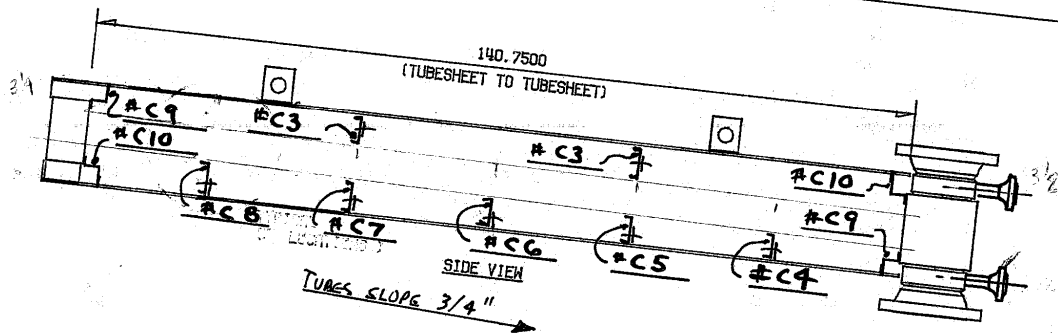
18.STEAM COIL -NO

19.TUBE SUPPORT -WIGGLE STRIP

MATERIAL/BUNDLE	WEIGHT	PRICE	LABOR/BUNDLE	WEIGHT	PRICE
TUBES	2557.	1838.	CUTTING		256.
FLG,PIPE,CPLG	206.	415.	WELD		3389.
PLATE	2929.	1751.	MACHINE		383.
FRAME	719.	496.	FIN		1207.
FIN	1225.	2203.	ASSEMBLE		787.
PLUG-GASKET	170.	508.			
FINISH	0.	823.	TOTAL		6022.
MISC	26.	53.			
S.R.	0.	0.	SHUTTERS	532.	804.
R.T.	0.	60.	OPERATOR	5.	47.
AGITATOR	0.	0.	HAILSSCREEN	299.	400.
TOTAL	7832.	8146.	TOTAL R&L(1)	8668.	15419.



TF 41 ROWS 5 PASS 2				THICK LENGTH				WIDTH BEVELS				MATERIAL SPECIFICATIONS					AIR COOLED DIVISION			
MACHINING DRILL REAM SPECIAL				INLET TUBE PLUG 1.1250 94.8750				11.8750 NONE				PLATE SA-515 GR-70 STOCK					HEADER DETAILS			
TUBE HOLE 0.9375 1.012 DG				INLET COVER 1.1250 94.8750				9.7500 LONG SIDES				FLG SA-105					ENGR REV 6 -1 -81			
PLUG HOLE 1.0313 SF 1.3750				INLET END 0.5000 9.7500				9.4375 ALL SIDES				PIPE SA-106B STOCK								
TAP 0.8750				PASS 0.5000 88.0000				9.7500 LONG SIDES				CPLG SA-105 STOCK								
NOZZLE IN(1) 10" -300 RF SCH XS				INLET TIE 0.3750 9.7500				2.7500 3 SIDES												
OUT(1) 10" -300 #RF SCH XS				RETURN TUBE PLUG 1.6250 94.8750				10.8750 NONE												
CHECK CLEAN-OUT-1/2" -300 RF W/BLIND-SX'S				RETURN COVER 0.6250 94.8750				3.0000 LONG SIDES												
VENT 1-6000 DRAIN 1-6000				RETURN END 0.5000 3.0000				9.4375 ALL SIDES												
TW. CPLG 1/2" -6000#				RETURN TIE 0.3750 3.0000				2.7500 3 SIDES												
RADIOGRAPH - API-661 10 INCH SHOT																				
PAINT- CARBOZINC 11																				



TUBES 203 TF 41 ROWS 5 PASS 2 LGTH 144IN.
 TUBE OD 1.000 XO.110 MAIL SA-214 WLD
 FIN TYPE L-TENSION 10.0 - 0.625 - ALUM
 PLUG QTY 406 TYPE A105-1822 GASKET CS-1813
 TEST FLANGE
 INLET 10 -300 RF (17.5000)
 OUTLET 10 -300 RF (17.5000)
 EXPANDER 1 LENGTH 14.0000
 HEADER FINISH-WHITE METAL BLAST CLEAN
 WITH 1 COAT CARBOZINC 11

FRAME -THICK 0.1875
 LENGTH 160 IN. DEPTH 17.7500
 SUPPORT QTY 5 LENGTH 94.500
 BINDER QTY 2 LENGTH 94.500
 CLOSERS QTY 4 LENGTH 94.500
 SUPPORT TYPE - WIGGLE STRIP
 0.125 X 1.00 X 189.000
 FINISH- CARBOZINC 11

SPECIAL NOTES
 DWG. NO. AC-3023

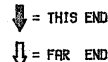
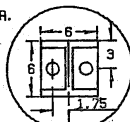
TOLERANCES (DIMENSIONS IN INCHES)
 LENGTH & WIDTH $\pm 1/8"$ PER 10'-0"
 TUBE PROJECTION 0.25X0.125

TEST PRESSURE 637 PSI.
 TIME 60 MIN.

AIR COOLED DIVISION						
ASSEMBLY DETAILS						
ENGR	REV	6-1-81				
MFG	WELD	FIN	ASMBL	STRUC	INSP	CUST
1			1		1	0
QTY 1	WEIGHT 8600		81B1241			

FAN 324 3-AUTOMATIC ✓
84 IN DIAMETER 4 BLADE
58000 ACPM 27.6 DEG.
DRIVE REDUCER
BELTS 4 (30P-850) *Good (3) 1*
SHEAVES FAN 19.3/MOTOR 5.0
BEARINGS 1.9375 IN. ✓

THIS motor
SHOULD EA
HAVE 115 V
SPACE HEATER



INSTALL
2-1" 6000#
COUPLING w/ PLUG
FOR
FUTURE
THERMOWELL

Approved
AS Notes
JEP
6/4/01

RECEIVED

JUN - 2 1981

VENDOR COPY

ITEM		SERVICE	NOZZLES INLET	OUTLET	REFERENCE DIMENSIONS				BUNDLE WEIGHT	CPUG- VSD	CREAM CLEAN-007	SHUTTER-OPERATOR	HAIR/ SCRUB	DESIGN PRESS.	TOLERANCES: (ALL DIMENSIONS IN INCHES) MECHANICAL EQUIPMENT ±1/8" PER 10"-0" NOZZLE ±1/8"		 SMITHCO AIR COOLED DIVISION TULSA, OKLAHOMA	FINISH STRUCTURAL - COMMERCIAL BLAST CLEAN WITH 1 COAT CARBOZINC 11 FRAME - COMMERCIAL BLAST CLEAN WITH 1 COAT CARBOZINC 11 HEADER - WHITE METAL BLAST CLEAN WITH 1 COAT CARBOZINC 11 CUSTOMER THE PRO-GUIP CORP. LOCATION CANACO-CLINTON REFERENCE 1020-208	PIPING, EQUIPMENT OUTLINE & ANCHOR BOLT PLAN MODEL 1 F12-60 -1 QUANTITY 1		DWN	DGP	CKD	RLK	DATE 5 -22-81
AC-715	698-COOLING	(1) 10"-300 = RF SCH XS	(1) 10"-300 = RF SCH XS	A	B	C	D	8700	1-6000	✓ 1 1/2" 300# R.F. W/BLIND-SCH.XS	✓	✓	✓	300#					REV				JOB 81B124		