

Measurement and Payment.

Since most of the demolition is of steel equipment with only a minor portion in buildings and other items, progress measurement will be based on tons of steel dismantled and ~~hauled~~ hauled to the laydown area.

Weight will be based on the major equipment weights shown in the table. To the equipment weights will be added the appropriate quantity of piping and tons of structural steel. Buildings and miscellaneous items, conduit and electrical will be assigned a dollar ~~volume~~ value.

Using the total value of the demolition less the dollar value of buildings and miscellaneous divided by the estimated tons of steel will determine the value per ton. This unit value times the tons dismantled and hauled to the laydown area plus the dollar value assigned to any building demolished and hauled to the laydown area will constitute the basis for estimating progress payments less any contractual retainage.

PLAINTIFF'S EXHIBIT

DOW-2528

ST0408721

ST0408721

Division 14 Plant Demolition and Removal

14.1 Scope of Work

The work for this item shall include all supervision, labor, materials, tools and equipment necessary to dismantle the processing area of the Packett Plant for Enrol Corporation in accordance with the ~~the~~ following specifications and description.

The processing area covered by this specification is shown on Drawing M-21A and outlined in Red. All vessels, towers, pumps, heat exchangers, compressors, Tanks structural steel, piping, conduit, electrical components, ^{and other larger} cooling towers and buildings shall be dismantled and moved to the designated lay-down area.

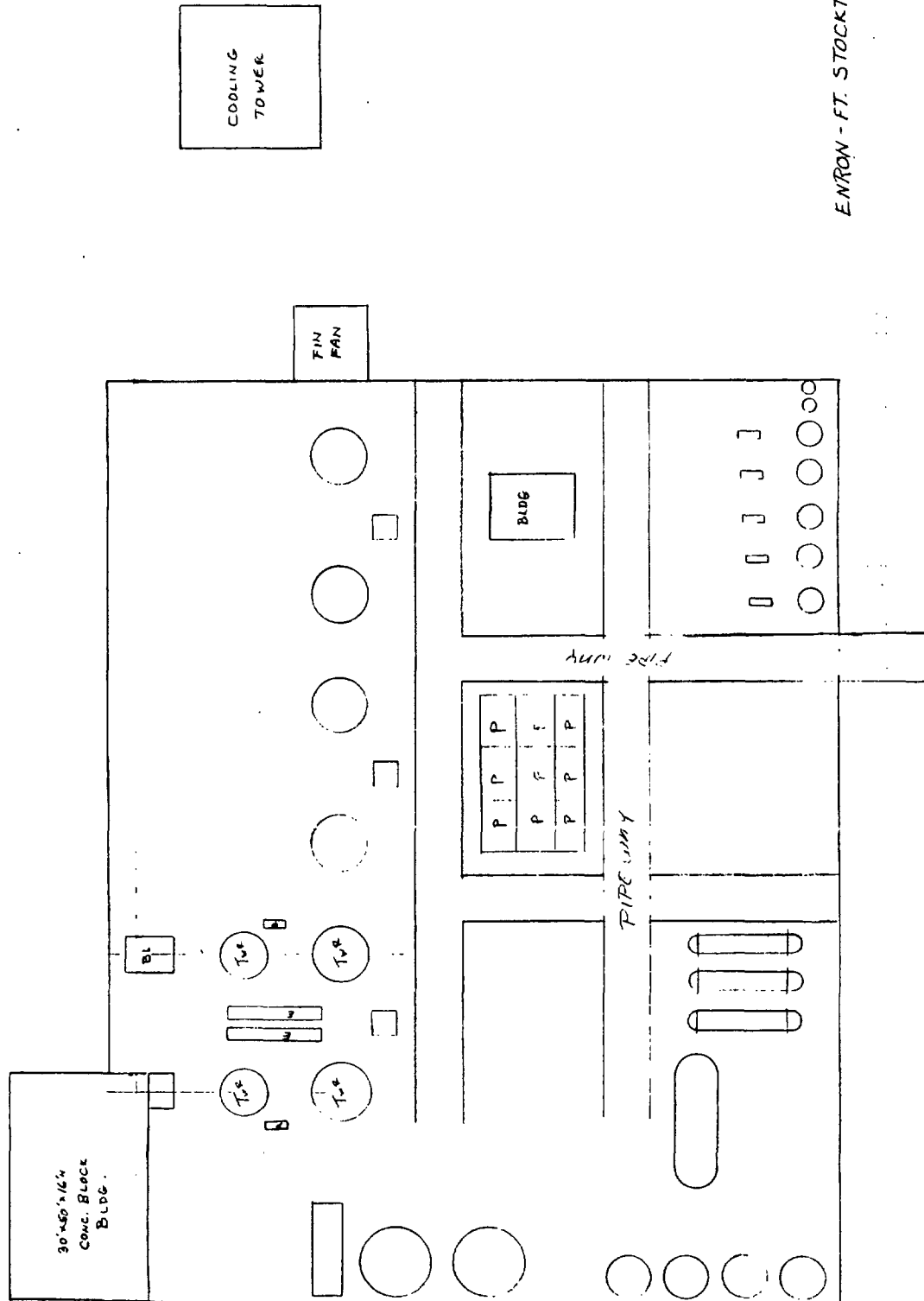
Concrete foundation pedestals shall be demolished to the level of the paving. Piping under the paved area shall be cut off flush with the paving and capped with a concrete plug.

Pipeline 10" - A-150 leaving the NW corner of the process area underground shall be removed for a distance of approximately 150' to an existing block

ST0408722

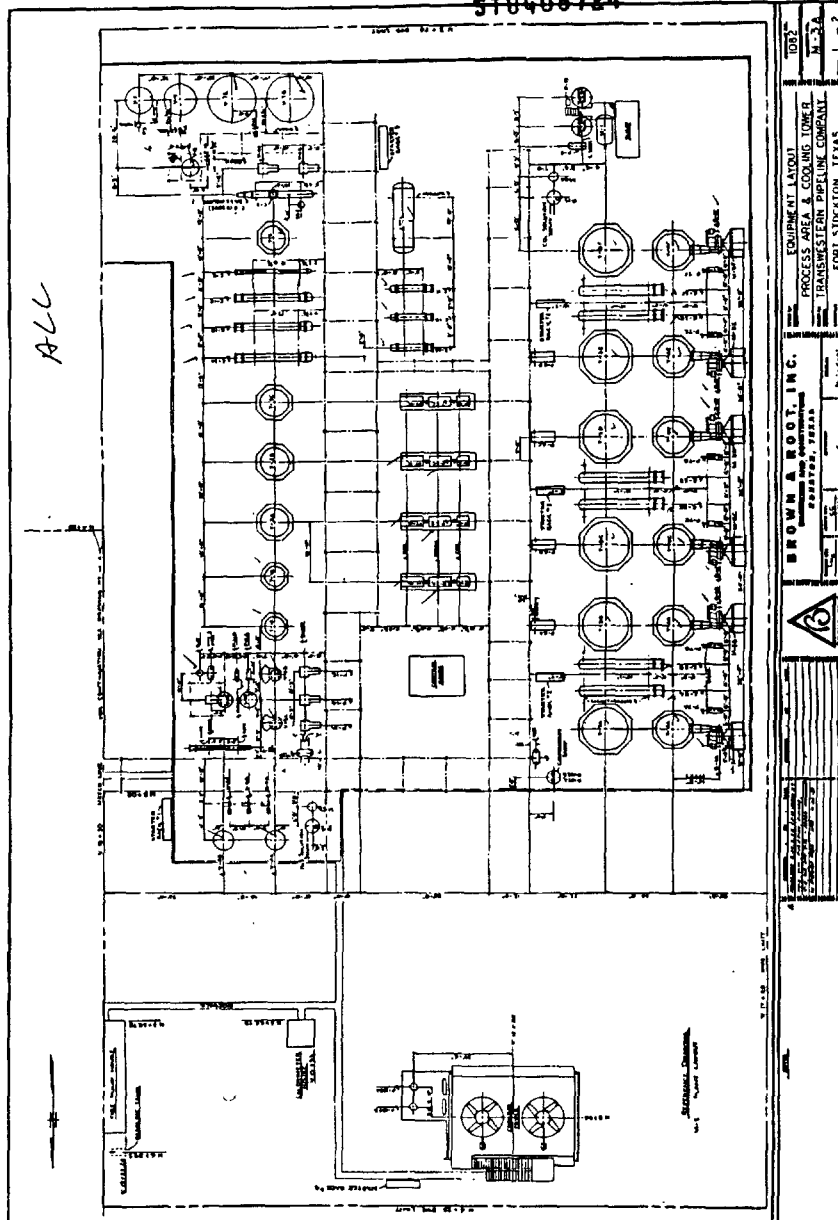
ST0408723

ENRON - FT. STOCKTON



ST0408723

ST0408724



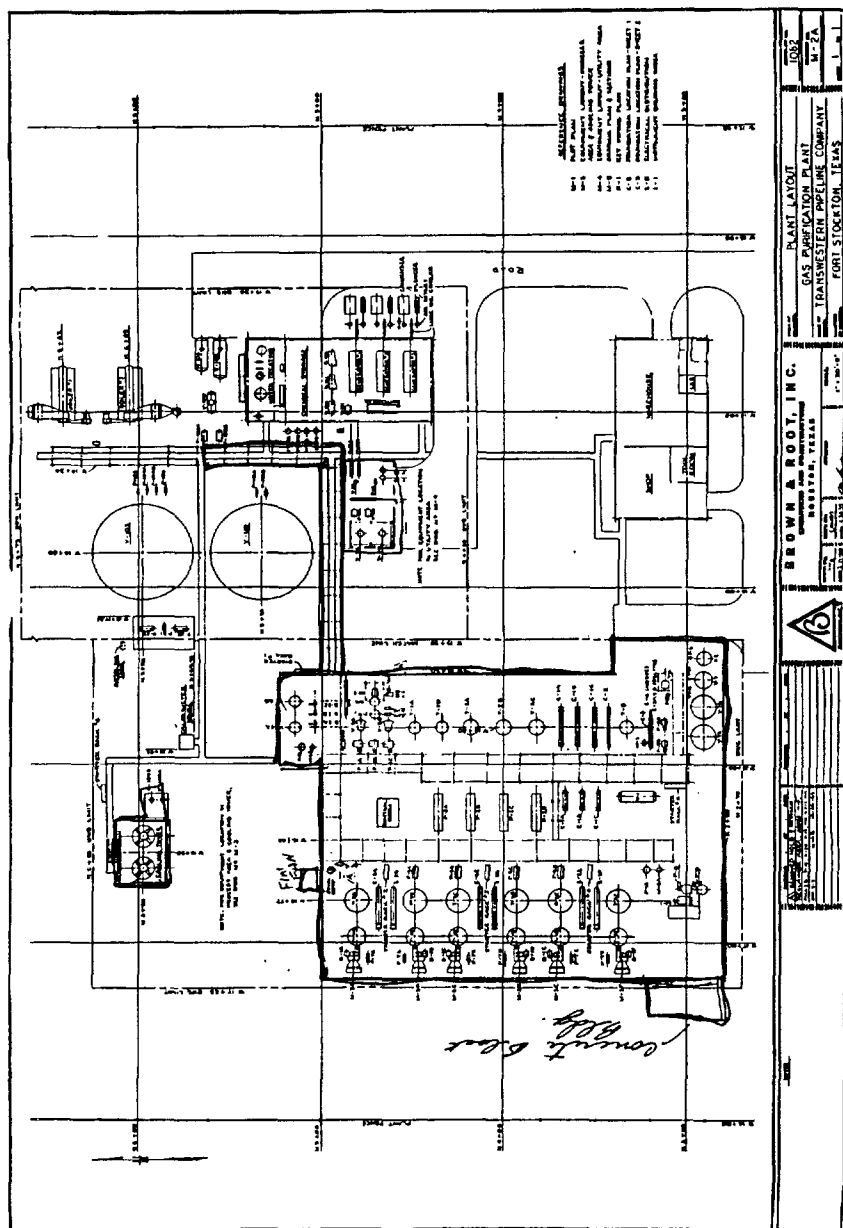
BROWN A ROOT INC. PROCESS AREA & COOLING TOWER TRANSMISSION PIPELINE COMPANY FORT STOCKTON, TEXAS	
PROJECT NO. 1002 SHEET NO. 1 OF 2	DATE: 10/1/74 DRAWN BY: [Signature] CHECKED BY: [Signature]

ST0408724

[illegible]

[illegible]

ST0408727

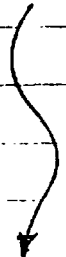


ST0408727

KICKETT PLANT

July 11, 10

SH 1 OF 1

EQUIP. NO.	DIMENSIONS	WALL TH.	SHIPPING WEIGHT
T-1A	5'-11" O.D. X 41'-0"	2 1/2"	82,409#
T-1B	5'-11" O.D. X 41'-0"	2 1/2"	82,409#
T-2A	8'-7 1/8" O.D. X 49'-3"	3 9/16"	224,700#
T-2B	8'-7 1/8" O.D. X 49'-3"	3 9/16"	224,700#
T-2C	8'-7 1/8" O.D. X 49'-3"	3 9/16"	224,700#
T-3A	13'-6" O.D. X 93'-11"		113,857#
T-3B			
T-3C			
T-3D			
T-3E			
T-3F			
T-4A	10'-0" O.D. X 37'-0"	12.75# PL.	28,075#
T-4B			
T-4C			
T-4D			
T-4E			
T-4F			
T-5	7'-6 1/4" O.D. X 33'-0"	3 1/8"	106,075#
V-1	5'-11" O.D. X 21'-6"	2 1/2"	51,200#
V-4A	6'-0" O.D. X 20'-6"	1/2" SHELL 5/8" HEADS	8,000#
V-4B	6'-0" O.D. X 20'-6"	1/2" SHELL 5/8" HEADS	8,000#
V-5A	4'-0" X 2'-6" O.D. X 66'-0"	1/2", 7/16", 3/8", 5/16", 1/4"	10,200#
V-5B	4'-0" X 2'-6" O.D. X 66'-0"	\$ \$ \$ \$ \$	10,200#
V-7A	14'-0" O.D. X 20'-0"	3/16"	
V-7B	14'-0" O.D. X 20'-0"	3/16"	
V-8	5'-0" O.D. X 9'-6"	1/4"	1700#

ST0408728

ST0408728

10-31-86

(PUCKETT PLANT (ST0408729

SHT. 2 OF

EQUIP NO.	DIMENSIONS	WALL TH.	SHIPPING WEIGHT
V-10	5'-0" O.D. X 5'-0"	3/16"	960 #
V-16	5'-0" O.D. X 5'-0"	3/16"	1100 #
V-17	2'-0" O.D. X 2'-6"	1/4"	290 #
V-18	3'-0" O.D. X 5'-6"	1/4"	725 #
V-19	3'-0" O.D. X 8'-0"	1/4"	800 #
V-102	3'-0" O.D. X 16" O.D. X 75'-0"	16" 36" 3/8" 13/16"	10,750 #
C-1A	2'-0" O.D. X 22'-11 1/4"	1"	19,000 #
C-1B	↓ ↓	↓	↓
C-1C	↓ ↓	↓	↓
C-2	14" O.D. X 22'-3 5/8"	3/4"	6,600 #
C-3	20" O.D. X 5'-0"	3/4"	1400 #
E-1A	2'-0" O.D. X 14'-7 7/8"	1"	17,500 #
E-1B	↓ ↓	↓	↓
E-1C	↓ ↓	↓	↓
E-2A	33 3/4" O.D. X 24'-11 1/2"	3/8"	15,200 #
E-2B	↓ ↓	↓	↓
E-2C	↓ ↓	↓	↓
E-2D	↓ ↓	↓	↓
E-2E	↓ ↓	↓	↓
E-2F	↓ ↓	↓	↓
E-3A	20" O.D. X 19'-2 3/4"	3/8"	5,200 #
E-3B	20" O.D. X 19'-2 3/4"	3/8"	5,200 #
E-4	26" O.D. X 21'-10 1/8"	3/8"	4,400 #
E-6	18" O.D. X 15'-11 1/4"	3/8"	1,800 #

ST0408729

(PUCKETT PLANT) ST0408730

SHT. 3 OF 4

EQUIP NO.	DIMENSIONS	WALL TH.	SHIPPING WEIGHT
B-1A	60 HP BLOWER	FRAME	SIZE CFC-445
B-1B			
B-1C			
B-1D			
B-1E			
B-1F			
P-1A	39 1/2" x 75" x 32"	—	50 H.P. PUMP
P-1B		—	
P-1C		—	
B-2A	7 1/2 H.P. MOTOR	PUMP	MD-571
B-2B	15 H.P. MOTOR	PUMP	MD-621
B-2C	§ § §	§	§
P-2A	I-R 8-HMTA-3	TURBINE	21' - x 4'-6" P-2A - PT-2A - ST-1A WEIGHT FOR 3 PIECES ON SKID IS 21,660#
P-2B			
P-2C			
P-2D			
PT-2A	IR 8-HMTA-2	DIFFUSOR	
PT-2B			
PT-2C			
PT-2D			
ST-1A	PUMP DRIVER		
ST-1B			
ST-1C			
ST-1D			
P-4A	39 1/2" x 71" x 32"		
P-4B	§ § §		

(DUCKETT PLANT (ST0408731

SHT. 4 OF 4

[illegible]

ST0408731

10-31-86

(PUCKETT PLANT (ST0408732

SHT. 1 OF 2

NON - CONTAMINATE

EQUIP NO.	DIMENSIONS	WALL TH.	SHIPPING WEIGHT
V-11A	8'-0" O.D. X 12'-0"	3/16"	RAW CONDENSATE
V-11B	8'-0" O.D. X 12'-0"	3/16"	STORAGE
V-12	2'-0" O.D. X 5'-0"	3/8"	CO ² FLASH TK
—	5'-0" O.D. X 12'-0"	1/4"	22,500# DEAERATING HEATER
V-103	55'-0" O.D. X 17'-0"	12 GA.	—
V-104	7'-0" O.D. X 20'-0"	5/16"	7,200#
V-105	7'-0" O.D. X 24'-0"	3/8"	8,500#
V-106	3'-0" O.D. X 14'-0"	1/4"	1350#
V-107A	2'-6" O.D. X 15'-0"	1/2"	2200#
V-107B	2'-6" O.D. X 15'-0"	1/2"	2200#
V-108	2'-6" O.D. X 15'-0"	1/4"	1500#
V-109	2'-6" O.D. X 15'-0"	1/4"	1100#
V-110	55'-0" O.D. X 17'-0"	12 GA.	—
E-7	10 3/4" O.D. X 18'-9 1/8"	.307"	1,900#
BOILER No 1	31' X 13' X 16' HIGH		17,500#
N	20' X 8' X 5' HIGH		
	48" O.D. X 50' STACK		
BOILER No 2	SAME AS NO. 1		
P-6A	2'-10" X 7'-1"	75 H.P.	3900#
P-6B	↓	↓	↓
P-6C	↓	↓	↓
P-6D	↓	↓	↓
P-13	48" O.D. X 7'-6"	5 HP	—
P-5	7 3/8" X 14 3/4"	1-HP	—
P-12	↓	1-HP	—
P-14	↓	1-HP	—
P-18	—	1-HP	—

ST0408732

10-31-86

(PUCKETT PLANT (ST0408733

SHT 2 OF 2
NON-CONTAMINATE

EQUIP NO.	DIMENSIONS	WALL THK.	SHIPPING WEIGHT
P-7A	22 ³ / ₈ " x 5'-4"	30 HP	—
P-7B	↓ ↓	↓	↓
P-7C	↓ ↓	↓	↓
P-7D	↓ ↓	↓	↓
P-7E	↓ ↓	↓	↓
P-7F	↓ ↓	↓	↓
P-104A	15" x 42"	5 HP	—
P-104B	↓ ↓ ↓	↓	—
P-105	15" x 42"	5 HP	—
P-106A	↓ ↓	↓	↓
P-106B	↓ ↓	↓	↓
P-110A	↓ ↓	↓	↓
P-110B	↓ ↓	↓	↓
P-103	10 ¹ / ₄ " x 26"	↓	↓
P-100A & B	30 ⁷ / ₈ " x 8'-9"	100 H.P.	3755# EA.
P-101	10" x 15"	1/4 H.P.	w/ 50 GAL TK.
P-102A & B	36" O.D. x 7'-6"	5 H.P.	—
P-109A & B	25" O.D. x 9'-0"	60 H.P.	—
P-111	15" x 42"	10 H.P.	—
P-112A & B	32" x 8'-3"	125 BHP	—
—	24' x 36' x 33' HIGH	—	— COOLING TOWER
P-107	7 ³ / ₄ " x 9'-3"	2 HP	—
P-108	7 ³ / ₄ " x 9'-3"	2 HP	—
CATION UNIT	6'-6" O.D. x 15'-2"	—	—
DECARBONATOR	4'-6" I.D. x 16'-0"	—	—
ANION UNIT	5'-0" O.D. x 14'-0"	—	—

ST0408733

10-31-86

(ST0408734

M-6 THESE ITEMS IN CONTAMINATED
P-17 BUT DID NOT FIND ANY VENDOR
P-20 PRINTS ON THEM.

V-2

V-9

P-8A & B

V-20

ST0408734

Enron - Packett Plant

①

Towers

T-1 A+B H_2S Absorbers, $120^\circ F$ operating Temp
5'-6" ϕ x 33'-6" w/ $2\frac{1}{2}$ " shell plate, $2\frac{5}{16}$ " heads
8'-skirt of $\frac{1}{2}$ " plate
Shipping Weight - 83,657 #
Full of Water = 140,074 #
405 cubic feet of $3 \times 6 \times \frac{1}{4}$ " Raschig rings

T-2 A,B+C CO_2 Contactor - $180^\circ F$ op Temp
96" ID x 42'-0" T to T, 5'-3" skirt of $\frac{1}{2}$ " plate
3- $9/16$ " wall thickness
1200 cu. ft. of Rings $2 \times 2 \times \frac{1}{4}$ Porcelain

T-3 A,B,C,D,E,F, Regenerator, 188° op Temp
13'-6" OD x 77'-9" S to S. w/ 12'-3" skirt, $\frac{1}{2}$ " tk.
Wall as $5/16$ " in top $2/3$ and $3/32$ " bottom $1/3$
5710 cu ft of $2 \times 2 \times \frac{3}{16}$ chem wear rings (Top)
1430 cu ft of $3 \times 3 \times \frac{1}{4}$ " Rings bottom

T-4 A-F Heat Recovery, $177^\circ F$ op Temp to $153^\circ F$
10' OD x 26'-3 $\frac{1}{2}$ " S to S, $5/16$ " wall
4'-8" skirt w $3/8$ " tk.
785 cu ft of $3 \times 3 \times \frac{1}{4}$ porcelain rings each.

ST0408735

T-5 Glycol Contactor - 95°F op Temp
 7'-0" x 25'-6" s.t.s w/ 4'-3" skirt
 36" angle
 Weight - 106,075[#], with water = 172,884[#]
 6 trays
 3 3/16" wall thickness.

ST0408736

Vessels

V-1 Inlet Gas Separator - 100°F op temp.
 16" angle
 66" ID x 18' T to T w/ 2 1/2" wall, w/ saddle
 horizontal,

V-2 Glycol Storage Tank - ambient temp
 8' ϕ x 12' Cone Roof - 1/4" wall.

V-3 A+B Solution Reclaim (Silver lined)
 3' CD. x 10' 520°F op temp
 Wt = 15,000[#]

V-4 A+B Digester - 120°F op temp
 14.5" angle
 72" CD x 14' T to T w/ 1/2" wall.
 3'-2" skirt at 3/8" tk. Weight 8000[#]
 w/ water - 35,300[#]

V-5 A+B Flotation Towers - 120°F op temp
 11" angle
 2'-6" ϕ x 4'-0" ϕ x 61'-10 1/4" x 3/8" tk
 w/ 4'-7 1/2" skirt
 Weight w/ water - 38,450[#]

V-7 A+B CO₂ Solution Storage - Ambient
14' ϕ x 20' Cone Roof Tank, 1/4" Tk.

V-8 Solution Mix Tank.
60" ϕ x 5' -

V-9 H₂S Solution Storage
9'-6" x 12'-0" ER Tank w 3/16" wall

V-10 Sulfur filter Feed Tank - 120°F op temp.
5'10" OD x 5' high Flat Top + Btm x 3/16" Shell Tk.
Wt = 960# w/water = 7100#

V-11 A+B Raw-Water Condensate Storage
3/16" Shell w 1/4" Bottom
96" OD x 12' high ER Tank.

V-12 CO₂ Flash Tank - 180°F op temp.
24" OD x 3' SSOS. Horizontal.

V-13 Filter Aid Slurry Tank

V-14 Precoat Tank.
72" ϕ x 6'

V-15 Chemical Injection P-t
24" OD x 3/8" wall x 3'-6" Long

ST0408737

- V-16 Sulfur Wash Tank - Same as V-10, wt = 960#
- V-17 Vac Pump Liquid Tank
2'-0" OD x 2'-6" high, 1/4" Wall, Flat Top & Btm
- V-18 Lead Carbonate Mix Tank
3'-0" OD x 3'-6" Stds w/ Cone Btm, 1/2" TK wall
on legs, w/ coil - 180°F op temp.
- V-19 Lead Sulfide Settler - 100°F op temp.
Same as V-18
- V-20 Reclaimer Seal Water Tank
14" OD x 10'-0" Field Fabb'd
- V-100 DA Feedwater Heater - Grover
5' OD x 10' long w/ 3'-6" Top.
Flooded weight = 25000#
- V-101 ABC Engine Jacket Flush Tank
12 3/4" OD x 30" OD x 16'-6" OA. high
wt = 16500#
- V-102 Flare KO Tank w/ Flare Stack
36" OD x 16" OD x 75" Tall
- V-103 Rain Water Storage Tank - 250,000 gal.
55' Ø x 16'-1 1/2" high

ST0408738

⑤

V-104 Acid Storage Tank

Horizontal - 84" OD x 16'-0" T & T

92.8 wgt Wt = 7200# w/water = 49830#
5/16" Shell

V-105 Canister Storage Tank

84" OD x 20' std Horizontal Tank, 5/16" TK

Wt = 8500# , w/water = 60,730#

V-106 Potable Water Storage

3' ϕ x 10' - T & T on legs

Wt = 1350# w/water = 5790#

V-107 Starting Air Receiver

30" x 10' w/ 1/2" wall

Wt = 2200# w/water 5615#

V-108 Service Air Receiver - Same as V-107

V-109 Inst Air Receiver - Same as V-107

V-110 Process water Storage - Same as V-103

1 - Lube Oil Storage

84" ϕ x 17 1/2' (5000 gal)

1 - ~~Ion-Exchange~~ Exchanger Water Treating Unit.

Insulation

Specifications call for "Unibestos"
or equal Calcium Silicate on piping
on vessels - Mineral Wool below 200°F
and Cal Sil over 200°F

Operating max temp is given for vessels
& Exchangers to estimate which
items may have asbestos

ST0408739

Heate Exchanger temperatures and Wts. ⁽⁶⁾

C-1 A, B+C, Shell temp = 139°F , Wt = 19000# each shell
C-2 Shell temp = 190°F Wt = 6600#
C-3 220°F Wt = 1400#
C-4 A, B+C - 7m 7m on Generators - 171°F
C-5 A+B 160°F Wt = ? Graham Heliflow
E-1 A, B+C 167°F Wt = 17,500# each shell
E-2 A thru F 325°F shell. Wt = 15,200# each shell
E-3 A+B 410°F shell, 350°F tubes, Wt = 5200# each.
E-4 410°F to 520°F w/ 170°F tubes, Wt = 4400#
E-5 A+B 740°F Wt = ? Graham.
E-6 240°F shell, 360°F tubes Wt = 1800#
E-7 325°F shell, 170°F tubes Wt = 1900#
?, Starting Air Coolers

ST0408740

Filters - Six
Dryer - M-101 - one
Agitators - Seven.

Steel.

East-West Pipe Rack to Gen Bldg
10' wide x 225' long
North-South Rack on West Side of Process Area
10' wide x 183' long
N-S Rack on East Side of Process Area
15' wide x 146'-9" long
10' wide x 45' long
E-W Rack on South Side
6' wide x 45' long

ST0408740

⑦

Most rock columns are 8 WF 20
with Cross bars of 12 WF 27
Stringers are 8 WF 20 or 8 WF 17
a few cross bars are 8 WF 20
with Max elevation 17'-6" high
on main rock.

ST0408741