

NOTE: ALL PIPE STUBS ARE 6" PROJ. UNLESS SPECIFIED OTHERWISE

INDUSTRIAL SERVICE & FABRICATORS, INC.
1425 S. BURLINSON BLVD. BURLINSON, TX. 76028 (817)447-8593

SCALE: 3/8"=1'-0"
DATE: 02-29-08
DRAWING TYPE: P.O. NUMBER: CO22707-SL
CUSTOMER NAME: CATAWABA MECHANICAL
36" O.D. x 118 1/2" H x 172" OAH VERTICAL RECIRCULATOR

APPROVED BY: R. REED
DESIGNED BY: [Signature]

NO. DATE REVISIONS DESCRIPTION BY CH'D

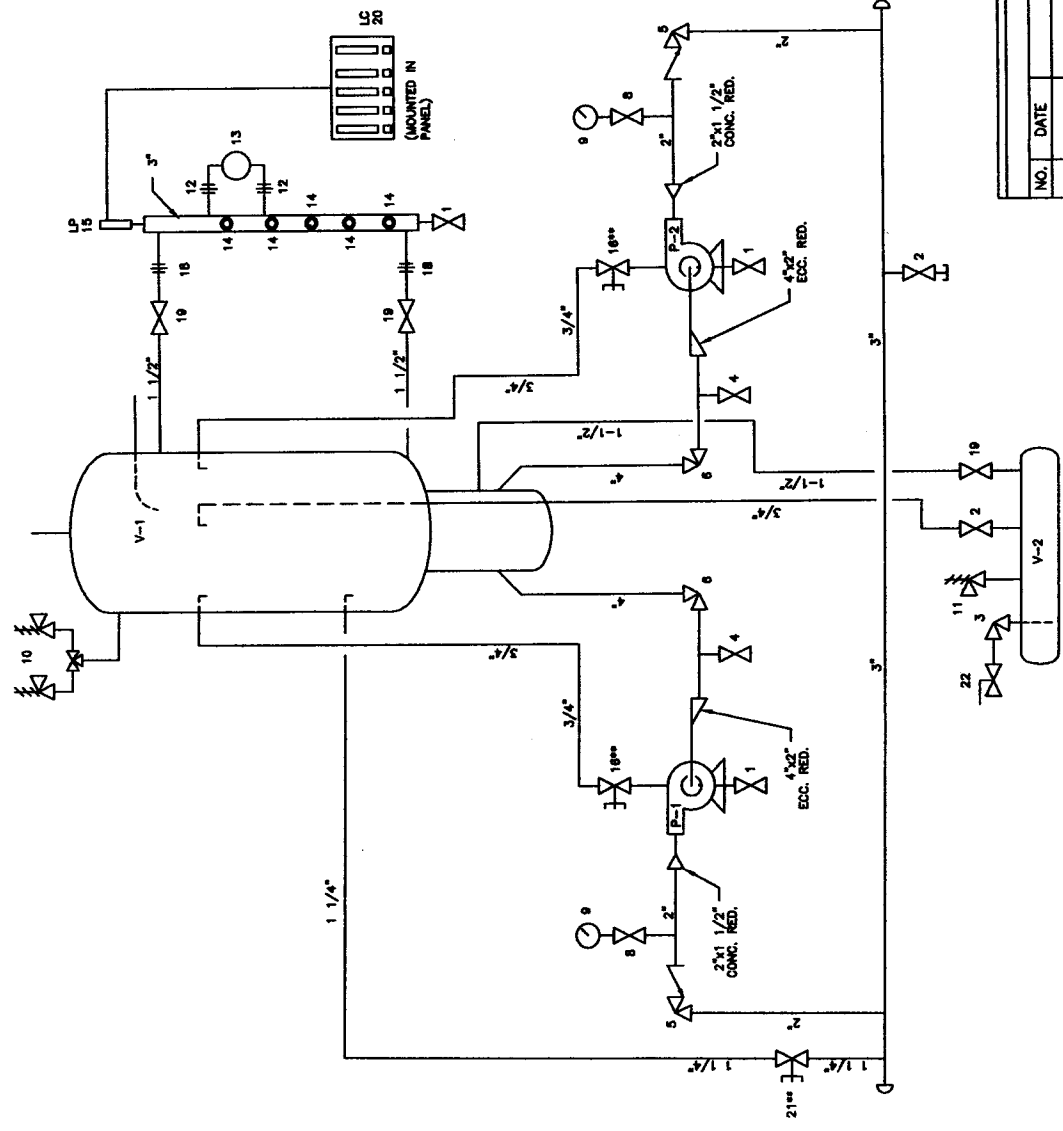
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DRAWING NO. 8808-1a

NO.	QTY.	SIZE	FLG.	DESCRIPTION	MFR.	MODEL NO.
1	3	1/2"	FPT	GLOBE VLV.	HANSEN	GT076C
2	2	3/4"	SW	GLOBE VLV.	HANSEN	
3	1	3/4"	SW	ANGLE VLV.	HANSEN	
4	2	1/2"	SW	GLOBE VLV.	HANSEN	
5	2	2"	SW	STOP/CHK. VLV.	HANSEN	
6	2	4"	SW	ANGLE VLV.	HANSEN	
7	2	1/4"	FPT	GAUGE VLV.	HANSEN	
8	2	1/4"	MPT	GAUGE, 20' - 150#	HANSEN	
9	1	1/2"	FPT	DUAL R.F.	HANSEN	
10	1	3/4"	FPT	R.F. VLV., 500#	HANSEN	
11	1	1/2"	SW	FLANGE UNION	PHILLIP	U-5S
12	2	3/4"	SW	FLANGE UNION	HANSEN	1100C-RN
13	1	3/4"	FPT	FLOAT SV.	HANSEN	LP, 08
14	1	3/4"	FPT	BULLS EYE	HANSEN	
15	1	3/4"	FPT	VARI-LVL PROBE	HANSEN	
16	1	3/4"	SW	HEV GLOBE VLV.	HANSEN	
17	2	1 1/2"	SW	FLANGE UNION	PHILLIP	U-12S
18	3	1 1/2"	SW	GLOBE VLV.	HANSEN	
19	3	1 1/2"	SW	PROBE CTRL. UNIT	HANSEN	
20	1	1 1/2"	SW	HEV GLOBE VLV.	HANSEN	
21	1	1 1/4"	SW	FLANGE UNION	HANSEN	
22	1	1 1/4"	SW	FLANGE UNION	HANSEN	
23	1	1 1/4"	SW	FLANGE UNION	HANSEN	
24	1	1 1/4"	SW	FLANGE UNION	HANSEN	
25	1	1 1/4"	SW	FLANGE UNION	HANSEN	
26	1	1 1/4"	SW	FLANGE UNION	HANSEN	
27	1	1 1/4"	SW	FLANGE UNION	HANSEN	
28	1	1 1/4"	SW	FLANGE UNION	HANSEN	

** VALVE MUST REMAIN OPEN WHEN SYSTEM IS IN OPERATION.

P-1: TEIKOKU, MODEL R42-217-040SS1-A, 4.5 H.P., 460/3/60
P-2: TEIKOKU, MODEL R42-217-040SS1-A, 4.5 H.P., 460/3/60
SIZED FOR 45 GPM; R-717 @ -20' & 40 PSID
V-1: 36" x 172" H. VERTICAL RECIRCULATOR VESSEL
V-2: 8" 5/8" x 24" OIL POT
LP: LEVEL PROBE, VARI-LEVEL, HANSEN, 85" LG.
LC: LEVEL CONTROLLER, HANSEN, LB-5, 5-RELAYS W/4-20mA MODULE
NEMA 4 ELECTRICAL CONTROL PANEL WITH PUMP STARTERS, DISCONNECT, AND CONTROLLERS (ALL PRE-WIRED) MOUNTED TO RECIRCULATOR PKG.
ALL FLANGED PUMP CONNECTIONS TO BE 300#



INDUSTRIAL SERVICE & FABRICATORS, INC.			
1425 S. BURLISON BLVD. BURLISON, TX. 76028 (817)447-8593		OWNER: R. REED	
NO.	DATE	BY	CHK'D
DESCRIPTION		SCALE	DRAWING TYPE
		NITS	
		REV. 02-29-08	REVISION
CUSTOMER NAME: CATAWBA, MECHANICAL		P.O. NUMBER: CO222707-SL	
36" O.D. RECIRCULATOR P & I DIAGRAM			
APPROVED BY:	DATE:	JOB NUMBER:	DRAWING NO.
	1 of 1	8808	8808-1PI