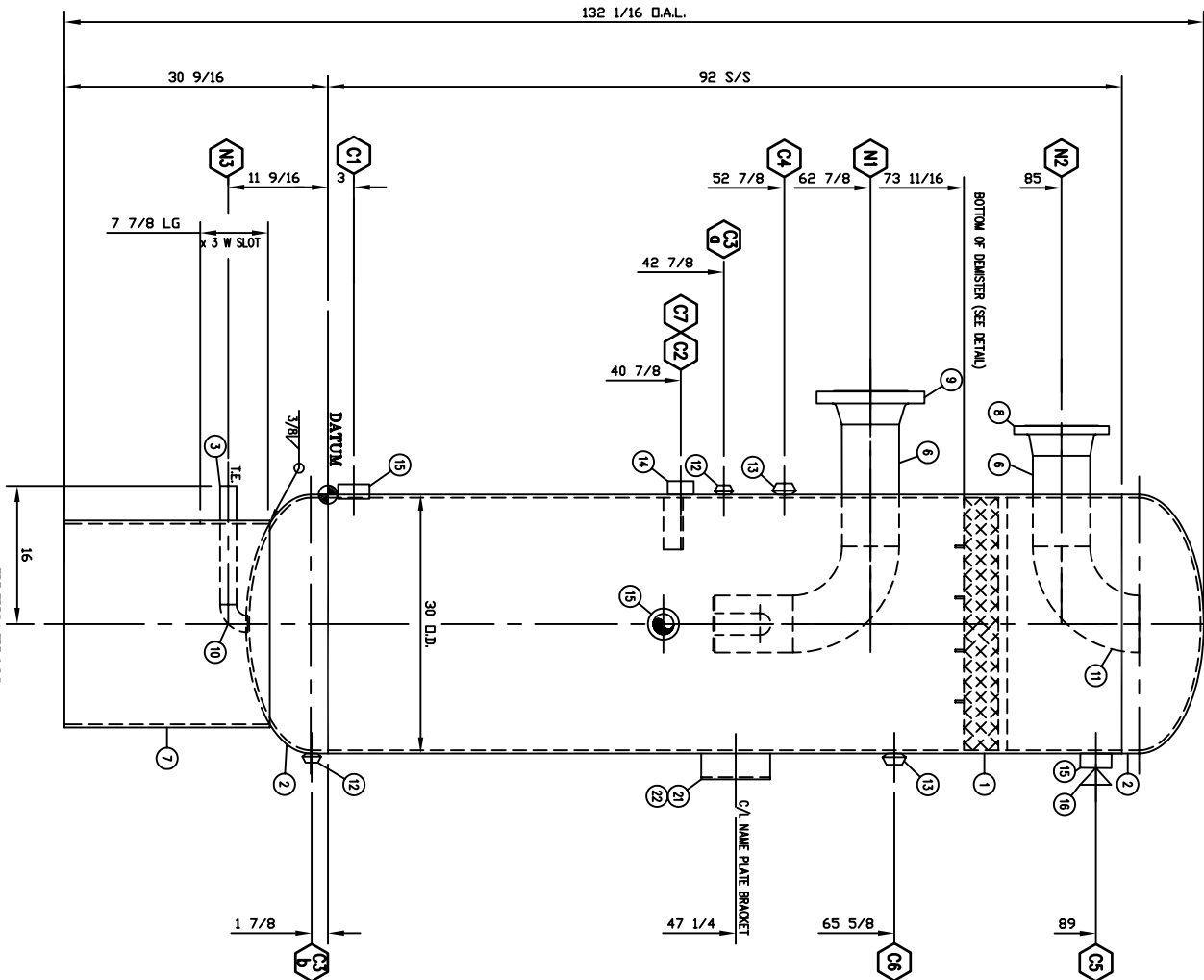
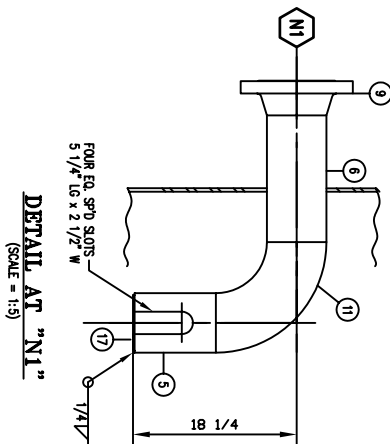
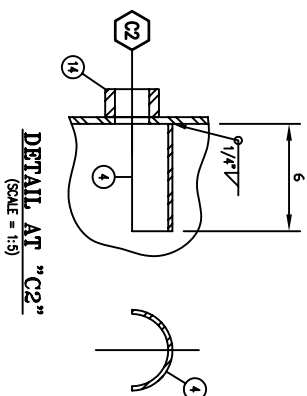
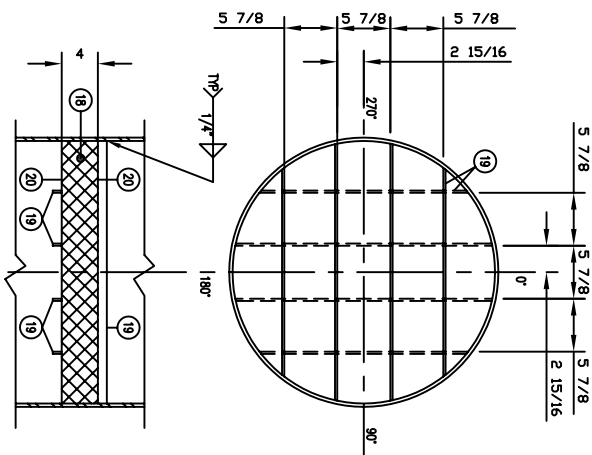
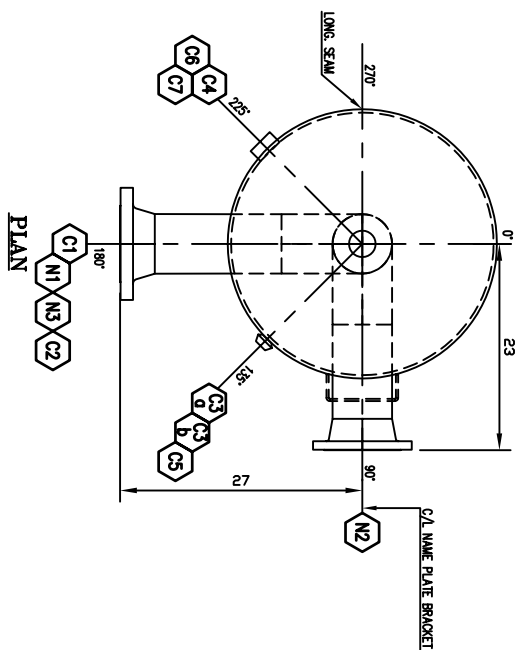


NOZZLE SCHEDULE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
MARK	SIZE	RATING	TYPE	SCHE.	SERVICE	PG. POOL	EST. 1/20	TRD 1/16	TRD 1/8	TRD 3/16	TRD 1/2	TRD 3/4	TRD 1	TRD 1 1/4	TRD 1 1/2	TRD 1 3/4	TRD 2	TRD 2 1/4	TRD 2 1/2	TRD 2 3/4	TRD 3	TRD 3 1/4	TRD 3 1/2	TRD 3 3/4	TRD 4	TRD 4 1/4	TRD 4 1/2	TRD 4 3/4	TRD 5	TRD 5 1/4	TRD 5 1/2	TRD 5 3/4	TRD 6	TRD 6 1/4	TRD 6 1/2	TRD 6 3/4	TRD 7	TRD 7 1/4	TRD 7 1/2	TRD 7 3/4	TRD 8	TRD 8 1/4	TRD 8 1/2	TRD 8 3/4	TRD 9	TRD 9 1/4	TRD 9 1/2	TRD 9 3/4	TRD 10	TRD 10 1/4	TRD 10 1/2	TRD 10 3/4	TRD 11	TRD 11 1/4	TRD 11 1/2	TRD 11 3/4	TRD 12	TRD 12 1/4	TRD 12 1/2	TRD 12 3/4	TRD 13	TRD 13 1/4	TRD 13 1/2	TRD 13 3/4	TRD 14	TRD 14 1/4	TRD 14 1/2	TRD 14 3/4	TRD 15	TRD 15 1/4	TRD 15 1/2	TRD 15 3/4	TRD 16	TRD 16 1/4	TRD 16 1/2	TRD 16 3/4	TRD 17	TRD 17 1/4	TRD 17 1/2	TRD 17 3/4	TRD 18	TRD 18 1/4	TRD 18 1/2	TRD 18 3/4	TRD 19	TRD 19 1/4	TRD 19 1/2	TRD 19 3/4	TRD 20	TRD 20 1/4	TRD 20 1/2	TRD 20 3/4	TRD 21	TRD 21 1/4	TRD 21 1/2	TRD 21 3/4	TRD 22	TRD 22 1/4	TRD 22 1/2	TRD 22 3/4	TRD 23	TRD 23 1/4	TRD 23 1/2	TRD 23 3/4	TRD 24	TRD 24 1/4	TRD 24 1/2	TRD 24 3/4	TRD 25	TRD 25 1/4	TRD 25 1/2	TRD 25 3/4	TRD 26	TRD 26 1/4	TRD 26 1/2	TRD 26 3/4	TRD 27	TRD 27 1/4	TRD 27 1/2	TRD 27 3/4	TRD 28	TRD 28 1/4	TRD 28 1/2	TRD 28 3/4	TRD 29	TRD 29 1/4	TRD 29 1/2	TRD 29 3/4	TRD 30	TRD 30 1/4	TRD 30 1/2	TRD 30 3/4	TRD 31	TRD 31 1/4	TRD 31 1/2	TRD 31 3/4	TRD 32	TRD 32 1/4	TRD 32 1/2	TRD 32 3/4	TRD 33	TRD 33 1/4	TRD 33 1/2	TRD 33 3/4	TRD 34	TRD 34 1/4	TRD 34 1/2	TRD 34 3/4	TRD 35	TRD 35 1/4	TRD 35 1/2	TRD 35 3/4	TRD 36	TRD 36 1/4	TRD 36 1/2	TRD 36 3/4	TRD 37	TRD 37 1/4	TRD 37 1/2	TRD 37 3/4	TRD 38	TRD 38 1/4	TRD 38 1/2	TRD 38 3/4	TRD 39	TRD 39 1/4	TRD 39 1/2	TRD 39 3/4	TRD 40	TRD 40 1/4	TRD 40 1/2	TRD 40 3/4	TRD 41	TRD 41 1/4	TRD 41 1/2	TRD 41 3/4	TRD 42	TRD 42 1/4	TRD 42 1/2	TRD 42 3/4	TRD 43	TRD 43 1/4	TRD 43 1/2	TRD 43 3/4	TRD 44	TRD 44 1/4	TRD 44 1/2	TRD 44 3/4	TRD 45	TRD 45 1/4	TRD 45 1/2	TRD 45 3/4	TRD 46	TRD 46 1/4	TRD 46 1/2	TRD 46 3/4	TRD 47	TRD 47 1/4	TRD 47 1/2	TRD 47 3/4	TRD 48	TRD 48 1/4	TRD 48 1/2	TRD 48 3/4	TRD 49	TRD 49 1/4	TRD 49 1/2	TRD 49 3/4	TRD 50	TRD 50 1/4	TRD 50 1/2	TRD 50 3/4	TRD 51	TRD 51 1/4	TRD 51 1/2	TRD 51 3/4	TRD 52	TRD 52 1/4	TRD 52 1/2	TRD 52 3/4	TRD 53	TRD 53 1/4	TRD 53 1/2	TRD 53 3/4	TRD 54	TRD 54 1/4	TRD 54 1/2	TRD 54 3/4	TRD 55	TRD 55 1/4	TRD 55 1/2	TRD 55 3/4	TRD 56	TRD 56 1/4	TRD 56 1/2	TRD 56 3/4	TRD 57	TRD 57 1/4	TRD 57 1/2	TRD 57 3/4	TRD 58	TRD 58 1/4	TRD 58 1/2	TRD 58 3/4	TRD 59	TRD 59 1/4	TRD 59 1/2	TRD 59 3/4	TRD 60	TRD 60 1/4	TRD 60 1/2	TRD 60 3/4	TRD 61	TRD 61 1/4	TRD 61 1/2	TRD 61 3/4	TRD 62	TRD 62 1/4	TRD 62 1/2	TRD 62 3/4	TRD 63	TRD 63 1/4	TRD 63 1/2	TRD 63 3/4	TRD 64	TRD 64 1/4	TRD 64 1/2	TRD 64 3/4	TRD 65	TRD 65 1/4	TRD 65 1/2	TRD 65 3/4	TRD 66	TRD 66 1/4	TRD 66 1/2	TRD 66 3/4	TRD 67	TRD 67 1/4	TRD 67 1/2	TRD 67 3/4	TRD 68	TRD 68 1/4	TRD 68 1/2	TRD 68 3/4	TRD 69	TRD 69 1/4	TRD 69 1/2	TRD 69 3/4	TRD 70	TRD 70 1/4	TRD 70 1/2	TRD 70 3/4	TRD 71	TRD 71 1/4	TRD 71 1/2	TRD 71 3/4	TRD 72	TRD 72 1/4	TRD 72 1/2	TRD 72 3/4	TRD 73	TRD 73 1/4	TRD 73 1/2	TRD 73 3/4	TRD 74	TRD 74 1/4	TRD 74 1/2	TRD 74 3/4	TRD 75	TRD 75 1/4	TRD 75 1/2	TRD 75 3/4	TRD 76	TRD 76 1/4	TRD 76 1/2	TRD 76 3/4	TRD 77	TRD 77 1/4	TRD 77 1/2	TRD 77 3/4	TRD 78	TRD 78 1/4	TRD 78 1/2	TRD 78 3/4	TRD 79	TRD 79 1/4	TRD 79 1/2	TRD 79 3/4	TRD 80	TRD 80 1/4	TRD 80 1/2	TRD 80 3/4	TRD 81	TRD 81 1/4	TRD 81 1/2	TRD 81 3/4	TRD 82	TRD 82 1/4	TRD 82 1/2	TRD 82 3/4	TRD 83	TRD 83 1/4	TRD 83 1/2	TRD 83 3/4	TRD 84	TRD 84 1/4	TRD 84 1/2	TRD 84 3/4	TRD 85	TRD 85 1/4	TRD 85 1/2	TRD 85 3/4	TRD 86	TRD 86 1/4	TRD 86 1/2	TRD 86 3/4	TRD 87	TRD 87 1/4	TRD 87 1/2	TRD 87 3/4	TRD 88	TRD 88 1/4	TRD 88 1/2	TRD 88 3/4	TRD 89	TRD 89 1/4	TRD 89 1/2	TRD 89 3/4	TRD 90	TRD 90 1/4	TRD 90 1/2	TRD 90 3/4	TRD 91	TRD 91 1/4	TRD 91 1/2	TRD 91 3/4	TRD 92	TRD 92 1/4	TRD 92 1/2	TRD 92 3/4	TRD 93	TRD 93 1/4	TRD 93 1/2	TRD 93 3/4	TRD 94	TRD 94 1/4	TRD 94 1/2	TRD 94 3/4	TRD 95	TRD 95 1/4	TRD 95 1/2	TRD 95 3/4	TRD 96	TRD 96 1/4	TRD 96 1/2	TRD 96 3/4	TRD 97	TRD 97 1/4	TRD 97 1/2	TRD 97 3/4	TRD 98	TRD 98 1/4	TRD 98 1/2	TRD 98 3/4	TRD 99	TRD 99 1/4	TRD 99 1/2	TRD 99 3/4	TRD 100	TRD 100 1/4	TRD 100 1/2	TRD 100 3/4																																																																																																																																																																																																																																	
N1	6"	3000.	RFHM	X0H	INLET	SEE DWG. 1/20	1/16	1/4"																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					

BILL OF MATERIAL FOR ONE ONLY, THREE REQUIRED				
ITEM	QTY.	DESCRIPTION	MATERIAL	COMMENTS
1	1	SHFL PLATE 3/8" THK x 30.0 O.D. x 92 LG	SA-516-JON	
2	2	HEAD 3/8" (5/16" MIN) THK x 30.0 O.D. x 10 SE. w/ Z S.F.	SA-516-JON	
3	1	HEAD 1 1/2" SCH. 40 x 3 1/2 LG (BE + E)	SA-106-B	SEE 102 DETAIL
4	1	PIPE 4" SCH. 40 x 3/8 LG (OUT MIN HEAD)	SA-106-B	SEE 102 DETAIL
5	1	PIPE 4" SCH. 40 x 3 1/4 LG (BE + E)	SA-106-B	SEE 101 DETAIL
6	2	PIPE 4" SCH. 40 x CUT TO SUIT	SA-106-B	
7	1	PIPE 24" STD x CUT TO SUIT	SA-106-B	
8	1	FLANGE 6" - 15000 RTM x SCH. 40H BORE	SA-105H	
9	1	FLANGE 6" - 15000 RTM x SCH. 40H BORE	SA-105H	
10	1	ELBOW 1 1/2" SCH. 40 x 90 LR.	SA-224-PB5	
11	2	ELBOW 6" SCH. 40H x 90 LR.	SA-105H	
12	2	THRODLET 3/4" - 60000 ON 30" RHM	SA-105H	
13	2	THRODLET 1" - 60000 ON 30" RHM	SA-105H	
14	1	CORNING 1 1/2" - 60000 THRODDED HALF	SA-105H	
15	3	CORNING 2" - 60000 THRODDED HALF	SA-105H	
16	1	PLUG 2" THK x 30" DIA.	SA-35	
17	1	PLATE 1/4" THK x 30" DIA.	SA-35	
18	1	DENSIFIER PMD. 30" DIA x 4" THK x 9 LBS / OIL FI.	SEE DENSIFIER DETAIL	
19	8	FLAT BAR 1/4" THK x 1" x CUT TO SUIT	SA-36	
20	2	WELD 3/4" NO. 9 2" DIA	SA-35	
21	1	NUT PLATE BRACKET	SEE DENSIFIER DETAIL	
22	1	NUT PLATE	SA-36-JON	
			316 SS.	

DESIGN DATA			
NOMINAL CAPACITY	FT ³	41.31	TYPE
DIMETER	IN	30 O.D.	SCRUBBER
SHELL LENGTH	IN	92	
SKIRT LENGTH	IN	30 9/16	
DESIGN PRESSURE	PSI MAX.	245	VACUUM
DESIGN TEMPERATURE	°F MAX.	250	MIN.
CORROSION ALLOWANCE	IN SHELL	0.125	HEAD
	IN NOZZLE	0.125	ATTACH
SERVICE		SOUR	LETHAL
STRESS RELIEVED		NO	NO
X-RAY			RT-2
CODE		ASME SECT. VIII, DIV. 1, 2004 EDITION	
STAMP		YES	
CERTIFICATE		YES	
DRUMS		YES	
MAX OPER. PRESS.	PSI	-	
MAX OPER. TEMP.	°F	-	
ALLOWABLE STRESS	PSI	SHELL: 20000 HEAD: 20000	
INSULATION TYPE		NONE	
WEIGHTS		US EMPTY	
		FLOODED	
PRODUCTS STORED	PSI	319	

ISSUED FOR FABRICATION

BY: _____

DATE: _____

NOTES	
1. PLUMB BOLTS TO STRAPED MAJOR C'S.	
2. ALL DIMENSIONS IN INCHES UNLESS OTHERWISE STATED.	
3. IMPACT TEST REPORT AS PER 1001-1(1)-51.	
4. THE FOLLOWING MATERIALS MAY BE SUBSTITUTED AS INDICATED:	
SA-106 ELEC. WITH SA-133 ELEC.	
SA-106 ELEC. WITH SA-127 C.I.	
SA-234 WEL. WITH SA-142 WEL.	
SA-106 ELEC. WITH SA-133 ELEC.	
SA-106 ELEC. WITH SA-127 C.I.	
SA-106-127 FOR SA-106A	
SA-106-127 FOR SA-106B	
SA-106-127 FOR SA-234 WEL.	
5. FILET WELDS ARE 3/16", UNLESS OTHERWISE SHOWN.	
6. SLODGECAST IS 295-295 AND ONE COAT OF	
7. TOLERANCES TO KEEP P-507-09-06 REL. 1, UNLESS	
OTHERWISE NOTED.	
8. TO BE REESTERED IN ALBERTA, BRITISH COLUMBIA, AND SASKATCHEWAN.	
9. UT MAY BE USED IN LEO. OR RT PER CODE CASE 225-B.	
* IF USED, RECORD ON DATA FORM.	
10. DRAINING CONNECTIONS TO REESTERED DRAINING D-15996-09-01 REL.1A.	

NO.	DATE	REASON	NO.	DATE	REASON	APPROVED
0	02/11/98	ISSUED FOR INFORMATION				REV.
						REV.



PROCESS SYSTEMS

TITLE: SUCTION SCRUBBER 30" O.D. x 92' S/S		ENGINEER: - CUSTOMER: CONCEPT COMPRESSION	
CUSTOMER P.O.: - ORDERED BY: J.A.H.	DATE: 02/06/98 ISSUED: 02/06/98	CONTRACT NO.: 16608-CS DATE: 01/01/98	EQUIPMENT NO.: 1-1-01 REV. NO.: 0

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