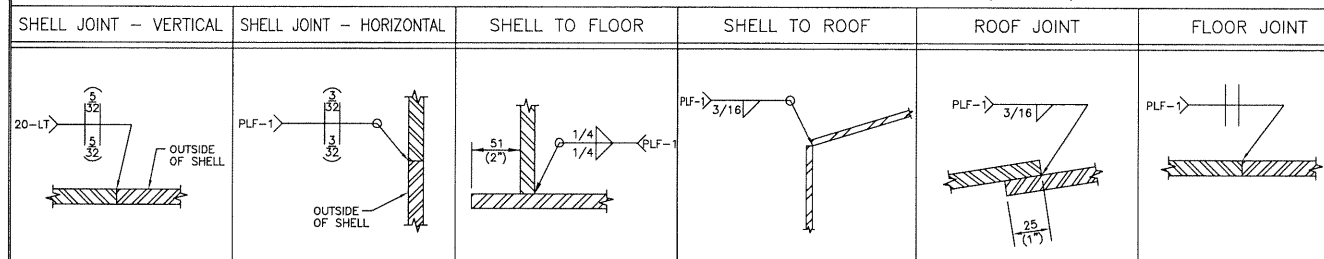


STANDARD WELD DETAILS (N.T.S.)



DESIGN CODE: API-12E MODIFIED
 SERIAL NO.: 018753-1
 DESIGN PRESSURE: 8oz
 OPERATING PRESS./TEMP.: -13°C(8.6°F) TO 93°C(200°F)
 SERVICE: OIL, WATER, GAS (SWEET)
 OPERATING LEVEL:
 CORROSION ALLOWANCE: NIL
 OTHER:
FINISHING

EXTERNAL: NONE
 INTERNAL: NONE
 TESTING: AIR SOAP TEST TO 12 oz.
 INSULATION: APPLY 2" THK SPRAYED ON HIGH-TEMP URETHANE TO SHELL & ROOF C/W 12 MILS OF BLACK ELASTOMERIC SEALER.

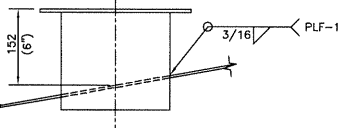
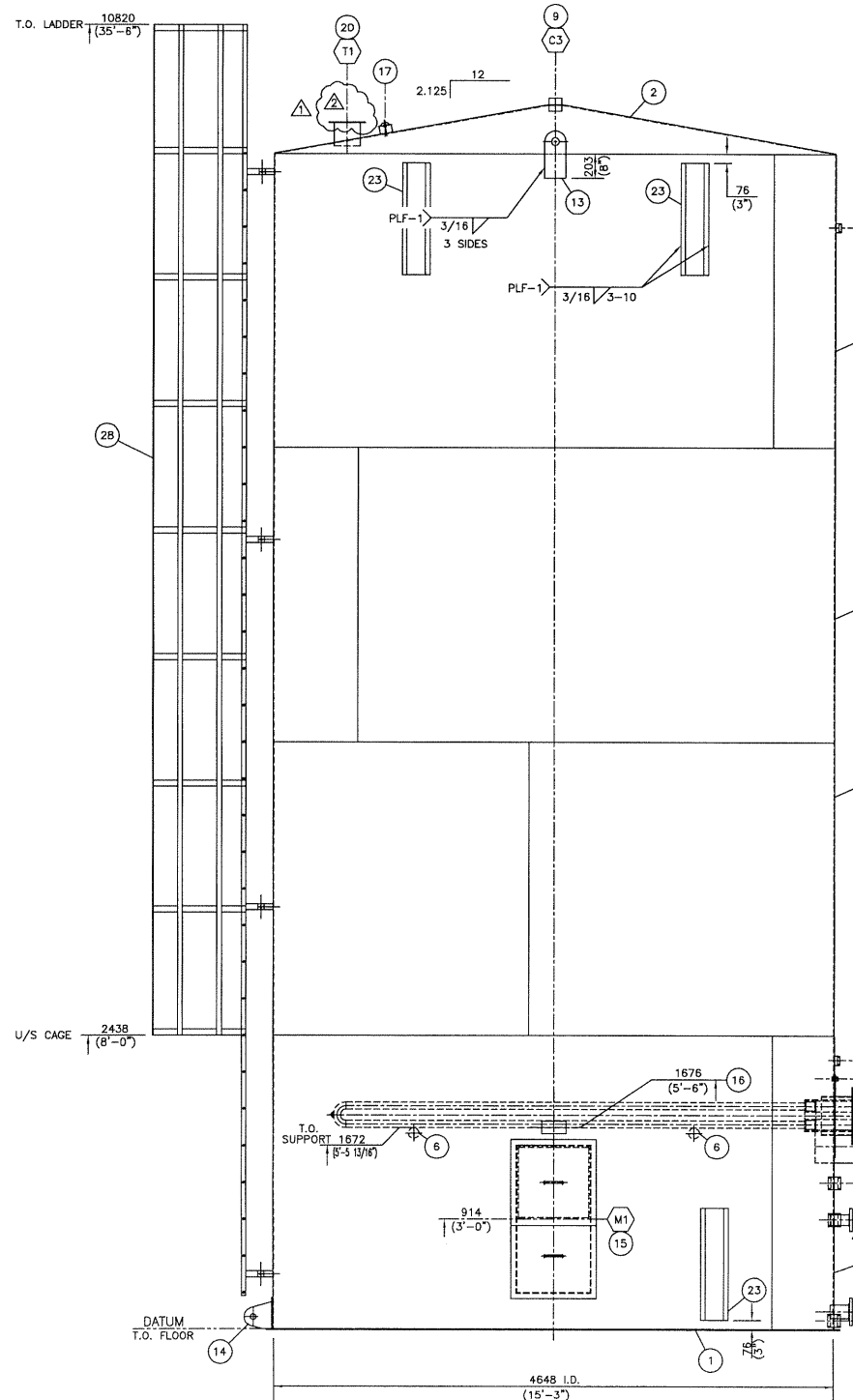
NOZZLE SCHEDULE

MK	NO	SIZE	SCH	RATE	TYPE	PROJECTION		REPAD		DESCRIPTION
						INT.	EXT.	YES	NO	
N3b	1	1 1/4"	XS	ANSI 150	RFSO	25"	152"	6"	✓	DRAIN/STINGING
N5	1	2 1/2"	10"	STD	ANSI 150	RFSO	152"	254"	✓	INLET
N8	1	8"	3"	STD	ANSI 150	RFSO	25"	152"	✓	ELECTRONIC PRESSURE TRANSMITTER/LEVEL INDICATOR
C1	1	76"	3"	-	3000#	FULL CPLG	HALF	✓	✓	BYPASS INLET
C2	1	76"	3"	-	3000#	FULL CPLG	HALF	✓	✓	INLET
C3	1	76"	3"	-	3000#	FULL CPLG	HALF	✓	✓	VENT
C4	1	76"	3"	-	3000#	FULL CPLG	HALF	✓	✓	DRAIN
C5	0.5	2"	19"	-	3000#	FULL CPLG	HALF	✓	✓	T.I.
CB	1	19"	3/4"	-	3000#	FULL CPLG	HALF	✓	✓	TEMPERATURE CONTROLLER/SENSOR
C10	1	51"	2"	-	3000#	HALF CPLG	FULL	✓	✓	LOW LEVEL SHUTDOWN
C11	1	51"	2"	-	3000#	HALF CPLG	FULL	✓	✓	HIGH LEVEL SHUTDOWN
T1	1	2 1/2"	8"	LW	-	FAB'D	25"	152"	✓	THIEF HATCH NOZZLE
M1	1	14"	24"	-	-	FAB'D	102"	4"	✓	SHELL MANWAY
F1	1	1 1/2"	10 1/2"	-	-	FAB'D	152"	6"	✓	THROAT NOZZLE 10"

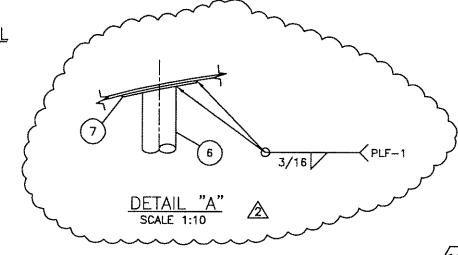
MATERIAL LIST

MK	QTY	DESCRIPTION	MATERIAL	WT
1	2	FLOOR HALF: PLATE 1/4" THK. x 15'-7 1/2" DIA.	PRT-2425	1958
2	2	ROOF HALF: PLATE 3/16" THK. x 15'-5 13/16" FLAT DIA.	PRT-2426	1467
3	3	SHELL: PLATE 3/16" THK. x 8'-0" x 47'-11 1/2" LG.	G40.21-44W	8814
5	1	SHELL: PLATE 1/4" THK. x 8'-0" x 47'-11 1/16" LG.	G40.21-44W	3917
6	2	PIPE 3" SCH STD x 13'-4" LG. SMLS PBE	SA-106-B	203
7	4	PLATE 3/16" THK. x 8" DIA.	G40.21-44W	11
8	1	NOZZLE DETAILS	REF. DWG. T-018753-D302	880
10	1			
11	1			
12	1	HEATING COIL 2" 770,000 BTU/HR. (SUPPLIED BY GRIT IND.)	-	1000
13	2	LIFTING LUG	PRT-4273	15
14	1	TAILING LUG C/W REPAD	PRT-4276	10
15	1	SHELL MANWAY 2'-0" x 4'-0" C/W 1/4" SPLIT COVER	PRT-1221 PRT-1492	191
16	1	NAMEPLATE BRACKET C/W NAMEPLATE	PRT-2896	5
17	3	TANK ROOF SAFETY HARNESS LUG	PRT-2533	1
18	1	FIRETUBE THROAT	PRT-1108	110
19	1	FIRETUBE THROAT REPAD	PRT-1161	61
20	1	THIEF HATCH NOZZLE	PRT-2891	21
21				
22				
23	4	TANK HAULING PAD	PRT-1494	120
24				
25				
26				
27				
28	1	LADDER DETAILS	PRT-2966	385
29				
30				
31				
32				
33				
34				
35				
36				
37				
38				
39				
40				
			INSULATION	1000
QTY'S ARE FOR ONE TANK - 1 REQ'D			SUBTOTAL	20169
			x 1.06	
			TOTAL	21379 lbs

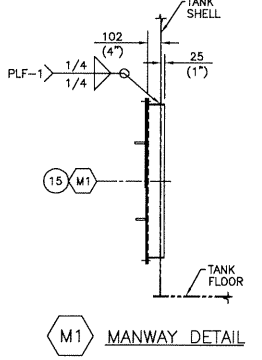
T.O. LADDER 10820 (35'-5")



T1 NOZZLE DETAIL N.T.S.



DETAIL "A" SCALE 1:10



M1 MANWAY DETAIL

ITEM	ANGLE	CIRC. DISTANCE
C11	12	488 (1'-7 3/16")
C5a	13	529 (1'-8 13/16")
T1	15	610 (2'-0")
MK. 28	20	813 (2'-8")
MK. 13	37.5	1525 (5'-0 1/16")
C1	45	1830 (6'-0 1/16")
N5	90	3661 (12'-0 1/8")
MK. 23	104.5	4251 (13'-11 3/8")
MK. 23	147.5	6000 (19'-8 1/4")
M1	180	7321 (24'-0 1/4")
CB	211	8582 (28'-1 7/8")
C2	213	8864 (28'-5 1/16")
MK. 13	217.5	8847 (29'-0 5/16")
N3b	225	9152 (30'-0 5/16")
F1	232.5	9457 (31'-0 5/16")
C10, C5b	278	11307 (37'-1 3/16")
C4	285	11592 (38'-0 3/8")
MK. 14	302.5	12304 (40'-4 7/16")

NOTES:
 1. ALL DIMENSIONS ARE IN S.I. & IMPERIAL UNITS. DIMENSIONS IN BRACKETS ARE IMPERIAL HARD CONVERSIONS FOR SHOP REFERENCE ONLY.
 2. ALL FLANGE RATINGS TO BE ASME B16.5 - 2003.
 3. DRILL 6(1/4") TELLTALE HOLE IN REINFORCING PADS. (C/W HALF COUPLING 1/4" 3000# F.S. SCR'D SA-105)
 4. FLANGE AND BOLT HOLES TO STRADDLE PRINCIPAL CENTERLINES OF TANK.
 5. ALL NOZZLE PROJECTIONS GIVEN ARE ALONG THE NOZZLE CENTERLINE.
 6. PEACELAND INSPECTION LEVEL 1.
 7. PEACELAND IS NOT RESPONSIBLE FOR ENVIRO-VAULT DESIGN, BUT ARE RESPONSIBLE FOR ITS INTEGRATION INTO THE TANK. THE ENTIRE TANK, INCLUDING THE ENVIRO-VAULT, IS TO MEET THE DESIGN PRESSURE, VACUUM CONDITIONS SPECIFIED ABOVE.
 8. STENCIL LOW LEVEL AND ADD RED REFLECTIVE TAPE AT 50 CUBIC METERS.

NO	DATE (d/m/y)	REVISIONS	BY	APPD
30/07/09		REMOVED ANCHOR CHAIRS & MARSH HAWK & REVISED TESTING NOTE CHANGED WOF FROM Q1881, REVISED SERIAL NUMBER & ADDED HEATING COIL	JKK	
02/07/09		REVISED TITLE BLOCK, REMOVED NB & GAUGEBOARD, ADDED NB & PLACED FIRETUBE ON HOLD	JKK	
23/06/09		ISSUED FOR CONSTRUCTION	JKK	

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PEACELAND FABRICATING

CLIENT: BAYTEX ENERGY LTD.
 CLIFFDALE 04-15-84-17 W5M OIL BATTERY

DWG TITLE: 1000 BBL BFW TANK - SEAL LAKE GENERAL ARRANGEMENT TAG # T-810

SIZE: 4648mm I.D. x 9754mm HIGH (15'-3" I.D. x 32'-0" HIGH) VOLUME: 160 CU. METERS (1000 Bbl) NOM. QUOTE # 6629

SCALE: 1:30 DWN BY: J. KELLY DWG NO. T-018753-D301 SHEET NO. 1 OF 1

DATE (d/m/y): 22/06/09 CHKD: APPD: