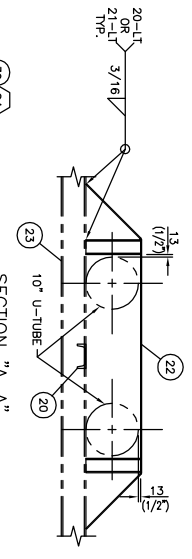
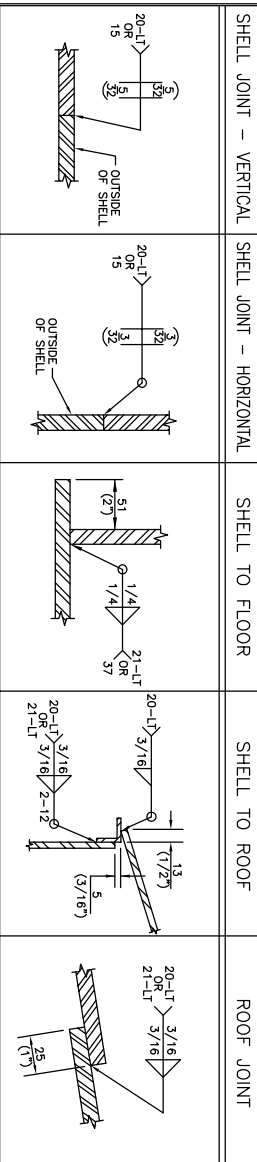


STANDARD WELD DETAILS (N.T.S.)



CUSTOMER SPECIFICATIONS			
DESIGN CODE:	API-650 MODIFIED		
SERIAL NO.:	020228-1 TO 8		
DESIGN PRESSURE:	4 oz. PRESS. / 0.4 oz. W.C.		
DESIGN TEMPERATURE:	-13°C(8°F) TO 93°C(200°F)		
OPERATING TEMPERATURE:			
SERVICE:	SWEET		
OPERATING LEVEL:	NONE		
CORROSION ALLOWANCE:	NONE		
OTHER:			
FINISHING			
INTERNAL:	NONE		
EXTERNAL:	NONE		
TESTING:	LIMITED TO AIR TEST AS PER API-12F TO 6.0 oz. (SPOT X-RAY, BY OTHERS)		
FLOOR TO SHELL JOINT TESTED WITH DISCREPANCY TO SHELL JOINT X-RAY ON TANK SEAMS AT DISCRETION OF HUSKY. FLOOR SEAMS TO BE VACUUM TESTED.			
INSULATION:	APPLY MINIMUM 51(C7) URETHANE FOAM SPRAY, SEAL WITH 20-25 MILS DFT BLACK ELASTOMERIC SKAPER.		

MK	NO	SIZE	SCH	RATE	TYPE	PROJECTION	REPAD	DESCRIPTION
N1	1	273	10"	-	-	SA-105	✓	PVA DISCHARGE ASSEMBLY (BY GRIT)
N2	1	89	3"	STD	CLASS FRAM SHOWN	203, 8"	✓	OIL INLET C/W INTERNAL PIPE & DEFOWER
N3	1	60	2"	XS	-	PPE FLUSH	✓	TANK LEVEL
N4	1	114	4"	XS	CLASS RS50	251, 556, 1-2"	✓	DRAIN C/W GATE VALVE (IN VAULT)
N4	1	114	4"	XS	CLASS RS50	251, 203, 8"	✓	STINGER
N4	2	114	4"	XS	CLASS RS50	251, 203, 8"	✓	STINGER
N5	1	89	3"	STD	CLASS RS50	152, 6"	✓	WATER OUTLET C/W BALL VALVE BY OTHERS & RISER (IN VAULT)
N6	1	89	3"	STD	CLASS RS50	152, 6"	✓	WATER OUTLET C/W BALL VALVE BY OTHERS, REEB & WATER BREAKER (IN VAULT)
N7	1	89	3"	STD	CLASS RS50	152, 6"	✓	WATER OUTLET C/W RISER (IN VAULT)
N8	1	219	8"	STD	CLASS RS50	203, 8"	✓	SPILL OVER OUTLET C/W INTERNAL RISER
N9	1	89	3"	STD	CLASS RS50	152, 6"	✓	SPILL OVER INLET
N10	1	89	3"	STD	CLASS RS50	152, 6"	✓	SPILL OVER OUTLET TO TRANSFER PUMP C/W RISER
N11	1	89	3"	STD	CLASS RS50	152, 6"	✓	SWD DETECTION (W/ C/W S.S. SPRING LOADED BALL VALVES FULL FLOW)
N12	1	89	3"	STD	CLASS RS50	152, 6"	✓	VENT C/W GOOSENECK (NO BROSSEGREEN)
N13	1	89	3"	STD	CLASS RS50	152, 6"	✓	LEVEL INDICATOR GAUGE BOARD CABLE ACCESS
N14	1	89	3"	STD	CLASS RS50	152, 6"	✓	VENT C/W GOOSENECK (NO BROSSEGREEN)
N15	1	89	3"	STD	CLASS RS50	152, 6"	✓	LEVEL INDICATOR GAUGE BOARD CABLE ACCESS
N16	1	89	3"	STD	CLASS RS50	152, 6"	✓	VENT C/W GOOSENECK (NO BROSSEGREEN)
N17	1	89	3"	STD	CLASS RS50	152, 6"	✓	LEVEL INDICATOR GAUGE BOARD CABLE ACCESS
N18	1	89	3"	STD	CLASS RS50	152, 6"	✓	VENT C/W GOOSENECK (NO BROSSEGREEN)
N19	1	89	3"	STD	CLASS RS50	152, 6"	✓	LEVEL INDICATOR GAUGE BOARD CABLE ACCESS
N20	1	89	3"	STD	CLASS RS50	152, 6"	✓	VENT C/W GOOSENECK (NO BROSSEGREEN)
N21	1	89	3"	STD	CLASS RS50	152, 6"	✓	LEVEL INDICATOR GAUGE BOARD CABLE ACCESS
N22	1	89	3"	STD	CLASS RS50	152, 6"	✓	VENT C/W GOOSENECK (NO BROSSEGREEN)
N23	1	89	3"	STD	CLASS RS50	152, 6"	✓	LEVEL INDICATOR GAUGE BOARD CABLE ACCESS
N24	1	89	3"	STD	CLASS RS50	152, 6"	✓	VENT C/W GOOSENECK (NO BROSSEGREEN)
N25	1	89	3"	STD	CLASS RS50	152, 6"	✓	LEVEL INDICATOR GAUGE BOARD CABLE ACCESS
N26	1	89	3"	STD	CLASS RS50	152, 6"	✓	VENT C/W GOOSENECK (NO BROSSEGREEN)
N27	1	89	3"	STD	CLASS RS50	152, 6"	✓	LEVEL INDICATOR GAUGE BOARD CABLE ACCESS
N28	1	89	3"	STD	CLASS RS50	152, 6"	✓	VENT C/W GOOSENECK (NO BROSSEGREEN)
N29	1	89	3"	STD	CLASS RS50	152, 6"	✓	LEVEL INDICATOR GAUGE BOARD CABLE ACCESS
N30	1	89	3"	STD	CLASS RS50	152, 6"	✓	VENT C/W GOOSENECK (NO BROSSEGREEN)
N31	1	89	3"	STD	CLASS RS50	152, 6"	✓	LEVEL INDICATOR GAUGE BOARD CABLE ACCESS
N32	1	89	3"	STD	CLASS RS50	152, 6"	✓	VENT C/W GOOSENECK (NO BROSSEGREEN)
N33	1	89	3"	STD	CLASS RS50	152, 6"	✓	LEVEL INDICATOR GAUGE BOARD CABLE ACCESS
N34	1	89	3"	STD	CLASS RS50	152, 6"	✓	VENT C/W GOOSENECK (NO BROSSEGREEN)
N35	1	89	3"	STD	CLASS RS50	152, 6"	✓	LEVEL INDICATOR GAUGE BOARD CABLE ACCESS
N36	1	89	3"	STD	CLASS RS50	152, 6"	✓	VENT C/W GOOSENECK (NO BROSSEGREEN)
N37	1	89	3"	STD	CLASS RS50	152, 6"	✓	LEVEL INDICATOR GAUGE BOARD CABLE ACCESS
N38	1	89	3"	STD	CLASS RS50	152, 6"	✓	VENT C/W GOOSENECK (NO BROSSEGREEN)
N39	1	89	3"	STD	CLASS RS50	152, 6"	✓	LEVEL INDICATOR GAUGE BOARD CABLE ACCESS
N40	1	89	3"	STD	CLASS RS50	152, 6"	✓	VENT C/W GOOSENECK (NO BROSSEGREEN)
N41	1	89	3"	STD	CLASS RS50	152, 6"	✓	LEVEL INDICATOR GAUGE BOARD CABLE ACCESS
N42	1	89	3"	STD	CLASS RS50	152, 6"	✓	VENT C/W GOOSENECK (NO BROSSEGREEN)
N43	1	89	3"	STD	CLASS RS50	152, 6"	✓	LEVEL INDICATOR GAUGE BOARD CABLE ACCESS
N44	1	89	3"	STD	CLASS RS50	152, 6"	✓	VENT C/W GOOSENECK (NO BROSSEGREEN)
N45	1	89	3"	STD	CLASS RS50	152, 6"	✓	LEVEL INDICATOR GAUGE BOARD CABLE ACCESS
N46	1	89	3"	STD	CLASS RS50	152, 6"	✓	VENT C/W GOOSENECK (NO BROSSEGREEN)
N47	1	89	3"	STD	CLASS RS50	152, 6"	✓	LEVEL INDICATOR GAUGE BOARD CABLE ACCESS
N48	1	89	3"	STD	CLASS RS50	152, 6"	✓	VENT C/W GOOSENECK (NO BROSSEGREEN)
N49	1	89	3"	STD	CLASS RS50	152, 6"	✓	LEVEL INDICATOR GAUGE BOARD CABLE ACCESS
N50	1	89	3"	STD	CLASS RS50	152, 6"	✓	VENT C/W GOOSENECK (NO BROSSEGREEN)
N51	1	89	3"	STD	CLASS RS50	152, 6"	✓	LEVEL INDICATOR GAUGE BOARD CABLE ACCESS
N52	1	89	3"	STD	CLASS RS50	152, 6"	✓	VENT C/W GOOSENECK (NO BROSSEGREEN)
N53	1	89	3"	STD	CLASS RS50	152, 6"	✓	LEVEL INDICATOR GAUGE BOARD CABLE ACCESS
N54	1	89	3"	STD	CLASS RS50	152, 6"	✓	VENT C/W GOOSENECK (NO BROSSEGREEN)
N55	1	89	3"	STD	CLASS RS50	152, 6"	✓	LEVEL INDICATOR GAUGE BOARD CABLE ACCESS
N56	1	89	3"	STD	CLASS RS50	152, 6"	✓	VENT C/W GOOSENECK (NO BROSSEGREEN)
N57	1	89	3"	STD	CLASS RS50	152, 6"	✓	LEVEL INDICATOR GAUGE BOARD CABLE ACCESS
N58	1	89	3"	STD	CLASS RS50	152, 6"	✓	VENT C/W GOOSENECK (NO BROSSEGREEN)
N59	1	89	3"	STD	CLASS RS50	152, 6"	✓	LEVEL INDICATOR GAUGE BOARD CABLE ACCESS
N60	1	89	3"	STD	CLASS RS50	152, 6"	✓	VENT C/W GOOSENECK (NO BROSSEGREEN)
N61	1	89	3"	STD	CLASS RS50	152, 6"	✓	LEVEL INDICATOR GAUGE BOARD CABLE ACCESS
N62	1	89	3"	STD	CLASS RS50	152, 6"	✓	VENT C/W GOOSENECK (NO BROSSEGREEN)
N63	1	89	3"	STD	CLASS RS50	152, 6"	✓	LEVEL INDICATOR GAUGE BOARD CABLE ACCESS
N64	1	89	3"	STD	CLASS RS50	152, 6"	✓	VENT C/W GOOSENECK (NO BROSSEGREEN)
N65	1	89	3"	STD	CLASS RS50	152, 6"	✓	LEVEL INDICATOR GAUGE BOARD CABLE ACCESS
N66	1	89	3"	STD	CLASS RS50	152, 6"	✓	VENT C/W GOOSENECK (NO BROSSEGREEN)
N67	1	89	3"	STD	CLASS RS50	152, 6"	✓	LEVEL INDICATOR GAUGE BOARD CABLE ACCESS
N68	1	89	3"	STD	CLASS RS50	152, 6"	✓	VENT C/W GOOSENECK (NO BROSSEGREEN)
N69	1	89	3"	STD	CLASS RS50	152, 6"	✓	LEVEL INDICATOR GAUGE BOARD CABLE ACCESS
N70	1	89	3"	STD	CLASS RS50	152, 6"	✓	VENT C/W GOOSENECK (NO BROSSEGREEN)
N71	1	89	3"	STD	CLASS RS50	152, 6"	✓	LEVEL INDICATOR GAUGE BOARD CABLE ACCESS
N72	1	89	3"	STD	CLASS RS50	152, 6"	✓	VENT C/W GOOSENECK (NO BROSSEGREEN)
N73	1	89	3"	STD	CLASS RS50	152, 6"	✓	LEVEL INDICATOR GAUGE BOARD CABLE ACCESS
N74	1	89	3"	STD	CLASS RS50	152, 6"	✓	VENT C/W GOOSENECK (NO BROSSEGREEN)
N75	1	89	3"	STD	CLASS RS50	152, 6"	✓	LEVEL INDICATOR GAUGE BOARD CABLE ACCESS
N76	1	89	3"	STD	CLASS RS50	152, 6"	✓	VENT C/W GOOSENECK (NO BROSSEGREEN)
N77	1	89	3"	STD	CLASS RS50	152, 6"	✓	LEVEL INDICATOR GAUGE BOARD CABLE ACCESS
N78	1	89	3"	STD	CLASS RS50	152, 6"	✓	VENT C/W GOOSENECK (NO BROSSEGREEN)
N79	1	89	3"	STD	CLASS RS50	152, 6"	✓	LEVEL INDICATOR GAUGE BOARD CABLE ACCESS
N80	1	89	3"	STD	CLASS RS50	152, 6"	✓	VENT C/W GOOSENECK (NO BROSSEGREEN)
N81	1	89	3"	STD	CLASS RS50	152, 6"	✓	LEVEL INDICATOR GAUGE BOARD CABLE ACCESS
N82	1	89	3"	STD	CLASS RS50	152, 6"	✓	VENT C/W GOOSENECK (NO BROSSEGREEN)
N83	1	89	3"	STD	CLASS RS50	152, 6"	✓	LEVEL INDICATOR GAUGE BOARD CABLE ACCESS
N84	1	89	3"	STD	CLASS RS50	152, 6"	✓	VENT C/W GOOSENECK (NO BROSSEGREEN)
N85	1	89	3"	STD	CLASS RS50	152, 6"	✓	LEVEL INDICATOR GAUGE BOARD CABLE ACCESS
N86	1	89	3"	STD	CLASS RS50	152, 6"	✓	VENT C/W GOOSENECK (NO BROSSEGREEN)
N87	1	89	3"	STD	CLASS RS50	152, 6"	✓	LEVEL INDICATOR GAUGE BOARD CABLE ACCESS
N88	1	89	3"	STD	CLASS RS50	152, 6"	✓	VENT C/W GOOSENECK (NO BROSSEGREEN)
N89	1	89	3"	STD	CLASS RS50	152, 6"	✓	LEVEL INDICATOR GAUGE BOARD CABLE ACCESS
N90	1	89	3"	STD	CLASS RS50	152, 6"	✓	VENT C/W GOOSENECK (NO BROSSEGREEN)
N91	1	89	3"	STD	CLASS RS50	152, 6"	✓	LEVEL INDICATOR GAUGE BOARD CABLE ACCESS
N92	1	89	3"	STD	CLASS RS50	152, 6"	✓	VENT C/W GOOSENECK (NO BROSSEGREEN)
N93	1	89	3"	STD	CLASS RS50	152, 6"	✓	LEVEL INDICATOR GAUGE BOARD CABLE ACCESS
N94	1	89	3"	STD	CLASS RS50	152, 6"	✓	VENT C/W GOOSENECK (NO BROSSEGREEN)
N95	1	89	3"	STD	CLASS RS50	152, 6"	✓	LEVEL INDICATOR GAUGE BOARD CABLE ACCESS
N96	1	89	3"	STD	CLASS RS50	152, 6"	✓	VENT C/W GOOSENECK (NO BROSSEGREEN)
N97	1	89	3"	STD	CLASS RS50	152, 6"	✓	LEVEL INDICATOR GAUGE BOARD CABLE ACCESS
N98	1	89	3"	STD	CLASS RS50	152, 6"	✓	VENT C/W GOOSENECK (NO BROSSEGREEN)
N99	1	89	3"	STD	CLASS RS50	152, 6"	✓	LEVEL INDICATOR GAUGE BOARD CABLE ACCESS
N100	1	89	3"	STD	CLASS RS50	152, 6"	✓	VENT C/W GOOSENECK (NO BROSSEGREEN)

MATERIAL LIST

MK	QTY	DESCRIPTION	MATERIAL	WT
1	2	FLOOR PLATE (H/W) 1/4" THK. x 15'-7 1/2" DIA. (G4021-38W)	PRT-2425	1956
2	2	ROOF PLATE (H/W) 3/16" THK. x 15'-5 13/16" FLAT DIA. (G4021-38W)	PRT-2426	1452
3	1	SHELL PLATE 1/4" THK. x 8'-0" x 47'-11 11/16" LG.	G4021-38W	3919
4	1	FLANGE 3" CLASS 150 RHNW x SCH STD BORE	SA-105	8816
5	3	SHELL PLATE 3/16" THK. x 8'-0" x 47'-11 1/2" LG.	G4021-38W	8816
6	1	PIPE 3" SCH STD x 10 13/16" LG. SMLS BOE x POC	SA-106-B	7
7	1	RUNAROUND ANGLE 2" x 2" x 3/16" x 48'-6 3/8" LG.	G4021-44W	118
8	1	UPPER & LOWER LADDER	REF. DWG. T-020228-B106	-
9	1	BURNER PLATFORM - 125(4'-1 1/2" x 120(6'-7 11/16")	REF. DWG. T-020228-B104	280
10	1	BURNER PLATFORM - 125(4'-1 1/2" x 120(6'-7 11/16")	REF. DWG. T-020228-B103	404
11	1	BURNER PLATFORM - 125(4'-1 1/2" x 120(6'-7 11/16")	REF. DWG. T-020228-B102	517
12	1	3" H/W LEVEL INDICATOR ASSEMBLY HEAVY STEEL C/W METRIC BOARD, 10" DIA. S.S. DRIVE SHAFT, FLOOR GATE, SHOWER PAN & BBS, HANGING	REF. DWG. T-020228-B101	2156
13	4	LIFTING LUG	PRT-4275	30
14	1	TAILING LUG C/W REPAD	PRT-4276	10
15	1	SHELL MANWAY 2'-0" x 4'-0" C/W 1/4" SPIRIT COVER	PRT-1221	191
16	1	NAMEPLATE BRACKET C/W NAMEPLATE	PRT-1482	5
17	6	TANK HAULING PAD	PRT-1484	180
18	1	ENRMO-WAULT (6" WIDE x 5' HIGH BBL DOOR) & NOZZLE DETAIL	REF. DWG. T-020228-B102	517
19	1	CHANNEL C4 x 5.4# x 7'-6 11/16" LG.	G4021-44W	41
20	1	THIEF HATCH NOZZLE C/W RAIN CAP	REF. DWG. T-020228-B110	21
21	1	FIREHOLE HOLD-DOWN FOR 10" U-TUBE	PRT-6992	13
22	1	CHANNEL C4 x 5.4# x 15'-2 5/8" LG.	G4021-44W	82
23	1	REPAD PLATE 1/4" THK. x 6" DIA.	SA-53-B	4
24	4	PIPE 1" SCH STD x 4'-0" LG. ENW PBE (TRIM TO SUN)	SA-53-B	6
25	2	FLATBAR 1/4" THK. x 2" x 5" LG. (STOCK LADDER CLIP)	PRT-4283	1
26	2	INTERMEDIATE PLATFORM	REF. DWG. T-020228-B107	217
27	1	HALF COUPLING 1/4" CL. 3000 F.S. SCRD	SA-105	325
28	3	PVA DISCHARGE ASSEMBLY (SUPPLIED BY GRIT)	REF. DWG. T-020228-B108	65
29	1	ENRMO-WAULT (6" WIDE x 5' HIGH)	REF. DWG. T-020228-B109	765
30	1	ENRMO-WAULT (6" WIDE x 5' HIGH)	REF. DWG. T-020228-B105	627
31	1	ELBOW 3" SCH STD x 90° LR	SA-105	10
32	1	FLANGE 3" SCH STD x 1'-0" LG. SMLS BBE	SA-105	13
33	1	FLANGE 3" SCH STD x 1'-0" LG. SMLS BBE	SA-105	13
34	1	FLANGE 3" SCH STD x 1'-0" LG. SMLS BBE	SA-105	13
35	1	FLANGE 3" SCH STD x 1'-0" LG. SMLS BBE	SA-105	13
36	2	FULL COUPLING 3/4" CL. 3000 F.S. SCRD	SA-105	1
37	1	FULL COUPLING 1" CL. 3000 F.S. SCRD	SA-105	1
38	1	FULL COUPLING 2" CL. 3000 F.S. SCRD	SA-105	3
39	1	FULL COUPLING 4" CL. 3000 F.S. SCRD	SA-105	8
40	1	PIPE 3" SCH STD x 4'-5 5/8" LG. SMLS POC x BOE	SA-106-B	34
41	1	DETOWER 1'-10" WIDE x 3'-0" LG. (SUPPLIED BY SHIMADZU WELDING)	C.S.	149
42	1	GROUNDING LUG	REF. DWG. T-020228-B114	2
43	1	PIPE 3" SCH STD x 1'-0" LG. SMLS BBE	SA-106-B	8
44	1	HEX PLUG 1" NPT	SA-105	1
45	1	BUSHING 2" x 1 1/2" 150#	M.I.	1
46	1	4" GOOSENECK VENT THRD	PRT-2889	24
47	1	REPAD PLATE 1/4" THK. - 3" SHELL NOZZLE	PRT-1586	6
48	2	DOORHOUSE REPAD 1/4" THK. - 1'-0" x 1'-0"	PRT-4393	16
49	1	FLANGE 4" CLASS 150 RS50	SA-105	12
50	1	PIPE 4" SCH STD x 8 7/8" LG. SMLS PBE	SA-53-B	8
51	1	CLIP GATE VALVE 2"	-	-
52	1	PIPE 2" SCH XS x 6" LG. SMLS TOE x 45" INTER	SA-106-B	2
53	2	TEMPERATURE GAUGE 4" FORCE 1'-0" LG. STEEL x 1/2"	-	-
54	1	SAFETY GATE	REF. DWG. T-020228-B113	24</