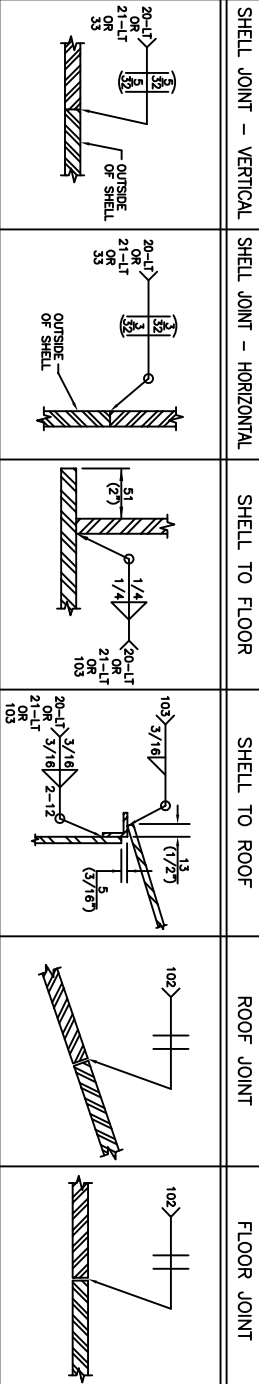


U.I.L. STANDARD WELD DETAILS (N.I.S.)



CUSTOMER SPECIFICATIONS	
DESIGN CODE	API-650
DESIGN PRESSURE	ATMOSPHERIC
OPERATING TEMPERATURE	-80°C(176°F)
DESIGN TEMPERATURE	150
SERVICE	HEAVY OIL/WATER/GAS, 15 API
OPERATING LEVEL	
CORROSION ALLOWANCE	1.6mm(1/16") SHELL, FLOOR, ROOF
OTHER:	

MK	NO	SIZE	SCH	RATE	TYPE	RTI	REGRD	YES	NO
N1	1	273 10"	XS	ANSI 150	RFSD	203 8"	✓		
N2	1	186 6"	XS	ANSI 150	RFSD	203 8"	✓		
N3	1	114 4"	XS	ANSI 150	RFSD	203 8"	✓		
N4	1	114 4"	XS	ANSI 150	RFSD	203 8"	✓		
N5	1	219 8"	XS	ANSI 150	RFSD	203 8"	✓		
N6	1	114 4"	XS	ANSI 150	RFSD	203 8"	✓		
N7	1	219 8"	STD	ANSI 150	RFSD	203 8"	✓		
N8	1	80 2"	XS	ANSI 150	RFSD	203 8"	✓		
N9	1	80 2"	XS	ANSI 150	RFSD	203 8"	✓		
N10	1	50 2"	XS	ANSI 150	RFSD	203 8"	✓		
N11	1	186 6"	XS	ANSI 150	RFSD	203 8"	✓		

FINISHING	
EXTERNAL: EXTERNAL NOZZLES, LADDERS, & PLATFORMS: SANDBLAST TO SSPC-SP6 & APPLY 1 COAT BLACK ENAMEL	
INTERNAL: SANDBLAST FLOOR & 4' OF SHELL INSIDE TO SSPC-SP6 & APPLY 12-15 MILS DFT OF DEVCO 253 EPOXY.	
ALL INTERNALS ARE TO BE SEAL WELDED AND COATING IS TO BE HOLIDAY FREE	
TESTING: AIR TEST AS PER API-650	

MK		QTY.	DESCRIPTION	MATERIAL	WT.
1	1		FLOOR PLATE 5/16" THK. X 23'-0" 1/2" DIA.	GA021-38W	5713
2	1		ROOF PLATE 5/16" THK. X 24'-4 1/8" DIA.	GA021-38W	5939
3	2		SHELL PLATE 1/4" THK. X 8'-0" X 32'-0" LG.	GA021-44W	5228
4	1		SHELL PLATE 3/16" THK. X 8'-0" X 32'-0" LG.	GA021-44W	813
5	6		SHELL PLATE 3/16" THK. X 8'-0" X 32'-0" LG.	GA021-44W	11766
6	3		SHELL PLATE 3/16" THK. X 8'-0" X 8'-0" 1/2" LG.	GA021-44W	1825
7	1		RUNBOARD ANGLE 2" X 2" X 3/16" X 74'-5 3/8" LG.	GA021-44W	182
8	1		SHELL MANNING 2" X 4" C/W 3/16" COVER PLATE	REF. DING E05-8605	250
9	1		NAUSEPLATE	-	5

NOZZLE SCHEDULE

MK	NO	SIZE	SCH	RATE	TYPE	RTI	REGRD	YES	NO	DESCRIPTION
N1	1	273 10"	XS	ANSI 150	RFSD	203 8"	✓			INLET
N2	1	186 6"	XS	ANSI 150	RFSD	203 8"	✓			TRUCK OUT
N3	1	114 4"	XS	ANSI 150	RFSD	203 8"	✓			DRAIN
N4	1	114 4"	XS	ANSI 150	RFSD	203 8"	✓			RECYCLE C/W DOWNCOMER
N5	1	219 8"	XS	ANSI 150	RFSD	203 8"	✓			OVERFLOW
N6	1	114 4"	XS	ANSI 150	RFSD	203 8"	✓			SPARE
N7	1	219 8"	STD	ANSI 150	RFSD	203 8"	✓			ROOF VENT
N8	1	80 2"	XS	ANSI 150	RFSD	203 8"	✓			THIEF HATCH C/W ENBRIO 330
N9	1	80 2"	XS	ANSI 150	RFSD	203 8"	✓			THIEF HATCH C/W ENBRIO 330
N10	1	50 2"	XS	ANSI 150	RFSD	203 8"	✓			SPARE OVERFLOW
N11	1	186 6"	XS	ANSI 150	RFSD	203 8"	✓			SPARE OVERFLOW
C1	2	19 3/4"	-	3000#	FILL		✓			TI
C2	1	25 1"	-	3000#	FILL		✓			TC
C3	1	51 2"	-	3000#	FILL		✓			LEVEL INDICATOR (HAWKITE RETVAL)
C4	2	42 1/8"	-	3000#	FILL		✓			LEVEL INDICATOR (HAWKITE RETVAL)
C5	1	25 1"	-	3000#	FILL		✓			LEVEL INDICATOR GUIDE WIRES
C6	1	51 2"	-	3000#	FILL		✓			THIEF HATCH
T1	1	219 8"	-	RFSD	203 8"	✓				THIEF HATCH NOZZLE C/W BLIND
M1	1	2' x 4'	-	API	RFSD	102 4"	✓			SHELL MANNY
F1	2	186 6"	-	RFSD	192 8"	✓				THROAT FOR 6" FRETURE

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MATERIAL LIST

MK	QTY.	DESCRIPTION	MATERIAL	WT.
1	1	FLOOR PLATE 5/16" THK. X 23'-10 1/2" DIA.	G40.21-38W	5713
2	1	ROOF PLATE 5/16" THK. X 24'-4 1/8" DIA.	G40.21-38W	5939
3	2	SHELL PLATE 1/4" THK. X 8'-0" X 32'-0" LG.	G40.21-44W	5228
4	1	SHELL PLATE 1/4" THK. X 8'-0" X 9'-10 11/16" LG.	G40.21-44W	813
5	6	SHELL PLATE 3/16" THK. X 8'-0" X 32'-0" LG.	G40.21-44W	11766
6	3	SHELL PLATE 3/16" THK. X 8'-0" X 9'-10 1/2" LG.	G40.21-44W	1825
7	1	RUNAROUND ANGLE 2" x 2" x 3/16" x 74'-5 3/8" LG.	G40.21-44W	182
8	1	SHELL MANNY 2' x 4' c/w 3/16" COVER PLATE	REF. DWG EDS-2605	250
9	1	NAMEPLATE	-	5
10				
11	2	FRETURE 6" DIA. X 15'-0" LONG C/W 4" DIA. STACK	REF. DWG EDS-2053	2200
12	1	SET NOZZLE SPOOLS AND INTERNALS	REF. DWG T-6859-0202	553
13	2	UL STYLE "S" FLAME ARRESTOR C/W 1 1/2" BURNER & PILOT	REF. DWG EDS-2019	575
14	1	36"-3" LADDER C/W 28'-3" CHOE	REF. DWG T-6859-8103	281
15	1	LEVEL INDICATOR HAWKITE (RED TAIL) C/W METRIC BOARD, PLASTIC FLOAT, INDICATOR, FLOOR CLIPS & MISC. HARDWARE	REF. DWG T-6859-07	50
16	1	ROOF PLATFORM 3'-0" x 4'-0" LG.	REF. DWG T-6859-10	394
17	6	HAULING PADS (DEEP STYLE)	REF. DWG EDS-2405	180
18	2	LIFTING TRUNION 10"	REF. DWG EDS-2405	130
19	1	TAILING LUG	REF. DWG EDS-2405	30
20	4	FUTURE PLATFORM CLIPS: FLATBAR 1/4" x 6" x 8" LG.	A-36	14
21	1	THIEF HATCH NOZZLE C/W BLIND	REF. DWG EDS-2101	40
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- NOTE:
1. ALL FLANGE RATINGS TO BE ANSI B16.5 - 1988.
 2. DRILL AND TAP 1/4" DIA. TELLTLE HOLE IN
 3. REINFORCING PADS
 4. INSIDE EDGES OF NOZZLE NECKS, INSPECTION CENTERLINES OF TANK
 5. ALL DIMENSIONS ARE IN MILLIMETERS, DIMENSIONS IN BRACKETS ARE FOR REFERENCE ONLY.
 6. TAG ALL PIECES WITH TANK NO. TK-262
 7. ALL NOZZLE PROTECTIONS GIVEN ARE ALONG THE NOZZLE CENTERLINE.

29/04/96	AS-BUILT	TMA	JK
26/01/96	ADDED C5, C6, & M11; ADDED EXTERNAL FINISH; NOW 8 HAULING PADS	TMA	JK
22/01/96	ISSUED FOR CONSTRUCTION	TMA	JK
12/01/96	ISSUED FOR APPROVAL	JAM	JK



UNIVERSAL INDUSTRIES LTD.
P.O. BOX 1590
LLOYDMINSTER, ALTA./SASK. S9V 1K5

CLIENT
AMBER ENERGY INC.
MEDICINE HAT, AB.
LSD 6-16-13-5 W4M

DWG. TITLE
STORAGE TANK TK-262
GENERAL ARRANGEMENT

SIZE: (23'-6" ID. x 9756mm HIGH)	VOLUME: 400 CUBIC METERS (2500 BR)
SCALE: 1:50	DWG. NO. T-6859-0201
DATE: 09/01/96	CHK'D: APP'D:
	REV. NO. 2