

62060526

GENERAL NOTES

DESIGN DATA	MATERIAL SPECIFICATIONS	EXTERNAL FINISH	INTERNAL FINISH	TESTING
DESIGN CODE: API 650 MODIFIED DESIGN PRESSURE/VAC: 3.75 oz. PRESS. - 0.4 oz. VAC. SIGN TEMPERATURE: 93°C (200°F) GN SPECIFIC GRAVITY: 1.00 SMIC ZONE: - DESIGN WIND LOAD: 100 MPH DESIGN LIVE ROOF LOAD: 27.5 PSF CORROSION ALLOWANCE: NONE MAXIMUM FILLING HEIGHT: 7315mm (24'-0")	ROOF: G40.21-44W ANNULAR: - SHELL: G40.21-44W FLOOR: G40.21-44W STRUCTURAL: G40.21-44W PIPE: A-53-B FLANGES: A-105 COUPLINGS: A-105 FITTINGS: A-234-WPB STUD BOLTS: A-193-B7 HEX NUTS: A-194-2H GASKETS: GARLOC 7819 HEAT COIL: A-53-B	-SANDBLAST SHELL & ROOF TO SSPC-SP6 & APPLY ONE COAT OF PRIMER AND TWO COATS OF SILVER ENAMEL.	-SANDBLAST FLOOR & LOWER 3 FEET OF SHELL TO SSPC-SP5 & COAT WITH 12 TO 15 MILS OF DEVCO 253	-AS PER API 650 LIMITED TO AIR TESTING -AIR TEST TO 1.69" H ₂ O INSULATION -NONE

NOZZLE SCHEDULE

MK	NO	SIZE	SCH	RATE	TYPE	EXT. PROJ.	REPAD	YES	NO	DESCRIPTION
N1	1	114"	STD	ANSI 150	RFSO	152"	6"	✓		FLOOR PLATE 1/4" THK. x 30'-4" DIA.
N2	1	60"	2"	STD	ANSI 150	RFSO	152"	6"	✓	HEATING COIL INLET (GLYCOL)
N3	1	60"	2"	STD	ANSI 150	RFSO	152"	6"	✓	HEATING COIL OUTLET (GLYCOL)
N4	1	219"	8"	STD	ANSI 150	RFWN	241"	11/16"	✓	C/W DOWNCOMER
N5	1	89"	3"	STD	ANSI 150	RFWN	406"	1-1/4"	✓	C/W INTERNAL PIPING
N6	1	89"	3"	STD	ANSI 150	RFWN	254"	10"	✓	C/W RISER TO 3'-1"
N7	1	89"	3"	STD	ANSI 150	RFWN	343"	1-1/4"	✓	LOAD LINE
N8	1	219"	8"	STD	ANSI 150	RFWN	433"	1-1/4"	✓	DRAIN
N11	1	114"	4"	STD	ANSI 150	RFWN	457"	1-1/4"	✓	EQUALIZER C/W INTERNAL PIPING
N12	1	114"	4"	STD	ANSI 150	RFWN	203"	8"	✓	VENT GAS
N13	1	219"	8"	STD	ANSI 150	RFWN	203"	8"	✓	
N14	1	168"	6"	STD	ANSI 150	RFWN	305"	1-1/4"	✓	
N15	1	60"	2"	STD	ANSI 150	RFWN	203"	8"	✓	
C1	1	51"	2"	-	3000#	FULL CPLG	HALF	✓		LEVEL GAUGE
C1	2	32"	1 1/4"	-	3000#	FULL CPLG	HALF	✓		LEVEL GAUGE GUIDE WIRES
C3	1	51"	2"	-	3000#	FULL CPLG	FULL	✓		PROBE
C4	1	13"	1 1/2"	-	3000#	HALF CPLG	FULL	✓		TI
C5	1	25"	1"	-	3000#	FULL CPLG	HALF	✓		SAMPLERS
C6	1	25"	1"	-	3000#	FULL CPLG	HALF	✓		BLANKET GAS SUPPLY
T1	1	218"	8"	-	ENARDO 330	152"	6"	✓		THIEF HATCH 4 oz. PRESSURE AND 0.4 oz. VACUUM
M1	1	2' x 4'	-	-	API FAB'D	102"	4"	✓		SHELL MANWAY

MATERIAL LIST

MK	QTY.	DESCRIPTION	REFERENCE	WT.
A	-	FLOOR PLATE 1/4" THK. x 30'-4" DIA.	REF. DWG T-10285-D202	7378
B	-	ROOF PLATE 3/16" THK. x 30'-1 3/4" FLAT DIA.	REF. DWG T-10285-D202	5467
C	6	SHELL PLATE 3/16" THK. x 8'-0" x 32'-0" LG.	G40.21-44W	11766
D	3	SHELL PLATE 3/16" THK. x 8'-0" x 30'-2 3/8" LG.	G40.21-44W	5552
E	1	RUNAROUND ANGLE 2" x 2" x 1/4" x 94'-9 1/4" LG.	G40.21-44W	231
F	1	SHELL MANWAY 2' x 4' c/w 3/16" COVER PLATE	REF. DWG EDS-2605	302
G	1	NAMEPLATE	-	5
H	1	REPAD FOR 2' x 4' MANWAY - 3/16" THK.	REF. DWG EDS-4003	43
I	1	LADDER 28'-4" HIGH	REF. DWG T-10285-D205	
J	1	HEAT COIL DETAIL (28'-0" @ DIAMETER)	REF. DWG T-10285-D106	
K	1	ROOF PLATFORM 3'-0" x 3'-0"	REF. DWG EDS-2101	13
L	1	THIEF HATCH NOZZLE C/W ENARDO 330 SET @ 4 oz. PRESS. & 0.4 oz. VAC.	-	
M	1	HAWKEYE LEVEL INDICATOR ASSY C/W PLASTIC FLOAT, METRIC BOARD AND MOUNTING ACCESSORIES	-	100
O				
P				
Q				
R	15	INTERNAL ROOF RAFTERS C4 X 5.4#	REF. DWG T-10285-D104	1053
S	1	CENTER POLE - 6" SCH. STD.	REF. DWG T-10285-D104	836
T				
U				
V				
W				
X				
Y				
Z				

- NOTE:
- ALL FLANGE RATINGS TO BE ASME/ANSI B16.5 - 1988, ADDENDA B16.5a-1992.
 - DRILL AND TAP 1/4" DIA. TELLTALE HOLE IN REINFORCING PADS.
 - FLANGE AND BOLT HOLES TO STRADDLE PRINCIPAL CENTERLINES OF TANK.
 - INSIDE EDGES OF NOZZLE NECKS, INSPECTION OPENINGS AND MANWAYS SHALL BE ROUNDED TO A RADIUS OF 1/8" MIN. OR ONE HALF THE WALL THICKNESS IF THE PIPE WALL IS LESS THAN 1/4".
 - ALL DIMENSIONS ARE IN MILLIMETERS. DIMENSIONS IN BRACKETS ARE FOR REFERENCE ONLY.
 - TAG ALL PIECES WITH JOB NO.
 - ALL NOZZLE PROJECTIONS GIVEN ARE ALONG THE NOZZLE CENTERLINE.
 - NOZZLES TO BE FIELD INSTALLED. (RIVERHILL ENTERPRISES)

SUB-TOTAL 32803
TOTAL 34771 lbs.

T1 NOZZLE DETAIL
SCALE 1:10

C1 COUPLING DETAIL
SCALE 1:10

ORIENTATION

ORIENTATION

ELEVATION

20/08/97	AS-BUILT	ALS		
29/05/97	ISSUED FOR CUSTOMER APPROVAL	ALS	JK	
NO	DATE	REVISIONS	BY	APP
REVISIONS				
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UNIVERSAL INDUSTRIES LTD. LLOYDMINSTER, AB.				
CLIENT CANADIAN OCCIDENTAL PETROLEUM MORGAN BATTERY ISLAY, AB.				
DWG. TITLE STORAGE TANK - WEST TANK GENERAL ARRANGEMENT				
SIZE: 9144mm O.D. x 7320mm HIGH (30'-0" O.D. x 24'-0 3/16" HIGH)		VOLUME: 477 CUBIC METERS (3000 Bbl)		
SCALE: 1:50	DWG. BY: A. SMITHSON	DWG. NO.	SHEET NO. 1 OF 1	REV. NO.
DATE: 28/05/97	CHK'D: APP:	T-10285-D201		