

- CONSTRUCTION NOTES
1. TANK CONFORMS TO THE LATEST EDITION, LATEST REVISION OF THE ASME CODE FOR PRESSURE VESSELS SECTION VIII DIVISION 1, AND NFPA 58.

2. POSTWELD HEAT TREAT: NOT REQUIRED

3. RADIOGRAPH: X-RAY REQUIRED PER ASME CODE. (SEE LEGEND)

4. JOINT EFFICIENCY: SHELL LONG SEAM ----- 100%
GIRTH SEAMS: ----- 80%
HEADS: (ONE PIECE) ----- 100%

5. CORROSION ALLOWANCE: HEADS ----- 0, SHELL ----- 0.

6. MAXIMUM ALLOWABLE WORKING PRESSURE: 250 PSI (1.72 Mpa) AT 125°F (51.7°C): EXTERNAL: 0

7. MAXIMUM PRESSURE NEW: 250 PSI (1.72 Mpa) AT 125°F (51.7°C) LIMITED BY HEADS AND SHELL. MDMT: -20°F (-28.8°C) AT 250 PSIG (1.72 Mpa).

8. HYDROSTATIC TEST PRESSURE: 450 PSI (3.10 Mpa) (MIN)

9. MAXIMUM ALLOWABLE STRESS AT 125°F (51.7°C): HEADS --- 21,400 PSI, SHELL --- 21,400 PSI

10. WELDING AND WELDING MATERIALS SHALL BE ACCORDING TO APPROVED TRINITY CONTAINERS, LLC PROCEDURES.

11. DIMENSIONS GIVEN ON A CURVED SURFACE ARE ALONG OUTSIDE CURVATURE.

12. MAXIMUM WELD REINFORCEMENT INSIDE AND OUTSIDE IS AS LISTED:
LONGITUDINAL JOINTS 3/32" (2.38mm)
CIRCUMFERENTIAL (HEAD TO SHELL) 5/32" (3.97mm)
CIRCUMFERENTIAL (SHELL TO SHELL) 5/32" (3.97mm)

13. VESSEL SHALL BE CLEANED INSIDE AND OUTSIDE, FREE OF DIRT, GREASE, DEBRIS, LOOSE MILL SCALE, WELD SPATTER, ETC.

14. FITTINGS ARE INSTALLED. INTERIOR OF VESSEL TO BE FORCE DRIED WITH FILTERED DRY AIR TO A MINIMUM OF -15°F DEWPOINT, SEALED AND LEAK TESTED WITH 190 PSI AIR.

15. DIMENSION TOLERANCES PER TRINITY CONTAINERS, LLC STANDARD DRAWING 1711190015.

16. VESSEL FINISH: APPLY POWDER COATING PER CS-4001.

17. THIS VESSEL IS TO BE VACUUM PURGED IN ACCORDANCE WITH APPROVED TRINITY CONTAINERS, LLC PROCEDURES.

18. ESTIMATED WEIGHT: 3,685 LBS. (1671.57 kg)

- MATERIAL SPECIFICATIONS
- HEADS: ----- SA455

SHELL: ----- SA455

STRUCTURAL: ----- P-1, SA36 OR EQUAL

COUPLINGS: ----- SA105 OR EQUAL

INTERNAL PIPE: ----- A120, P-1 OR EQUAL

LEGS & PADS: ----- SA36 OR EQUAL

RISER PIPE: ----- SA53B SMLS OR SA106B

- GENERAL NOTES
1. OPENING "A": PROVIDE WITH A FIXED DIP TUBE WHEN FILLED VOLUMETRICALLY.
a. USA & MEXICO LIQUID LEVEL IS 89% (28.06" (712.72mm))
b. CANADA LIQUID LEVEL IS 85.8% (29.9" (759.46mm))

2. OPENING "A": INSTALL PIPE (ITEM 12) IN MULTIVALVE FOR LIQUID Baffle TO PREVENT LIQUID ENTERING SERVICE VALVE WHEN FILLING.

3. OPENING "B": PROVIDED WITH WITHDRAWAL TUBE PER 1711220009 (ITEM 13).

4. INSTALL FLOAT GAUGE WITH ARM SET 45° OFF AXIS OF TANK AS INDICATED IN SECTION A-A.

5. OUTSIDE SURFACE AREA IS 305 SQ. FT. (28.38 SQ. M.), MINIMUM RELIEF REQUIRED FOR LPG IS 1,753 SCFM.

6. TAG KIT (ITEM 9) MUST BE WIRED TO MULTIVALVE PRIOR TO SHIPMENT. SERIAL NUMBER TAG (ONLY) TO BE REMOVED BEFORE SHIPPING.

7. VALVE MANUFACTURER INSTRUCTIONS ARE TO BE SENT WITH TANK TO CUSTOMER.

8. TWO NAMEPLATES ARE REQUIRED, ONE WELD-ON TYPE WELDS TO TANK, ONE CABLE-ON TYPE, STAMPED "DUPLICATE", WILL BE SUPPLIED WITH THE TANK. DUPLICATE NAMEPLATE TO BE INSTALLED PER DRAWING 1711220019.

9. NAMEPLATES:
a. USE 1711290198 AND 1711290085 WHEN FABRICATED IN USA FOR USE IN USA.
b. USE 1711290161 AND 1711290162 WHEN FABRICATED IN USA FOR USE IN CANADA.

10. THE SHELL RINGS ARE SIZED FOR CRIMPED SEAMS. IF BUTT WELD W/BACK-UP BAR IS USED, THE CENTER SECTION OF THE TANK WILL BE MODIFIED TO MAINTAIN OVERALL LENGTH OF TANK. BACK-UP BAR WILL BE 1712190010-03.

11. ANODE BOLT TO BE INSTALLED WITH TWO NUTS.

12. SHOP TO SEAL WELD ITEMS 14 & 15 TO THE VESSEL. THIS WILL INCLUDE THE HOLE IN THE HINGE THAT IS NEXT TO THE TANK.

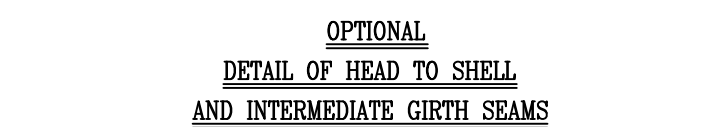
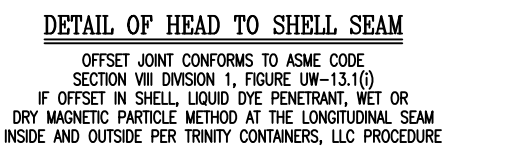
13. OUTGATE TUBE LENGTHS AS FOLLOWS:
a. USA UN-INSTALLED TUBE LENGTH IS 29.46" (748.28mm) + 1/8" (3.18mm), -0".
b. CANADIAN UN-INSTALLED TUBE LENGTH IS 31.3" (795.02mm) + 1/8" (3.18mm), -0".

14. OPENING "A": MULTI-VALVE G8475RV IS TO BE INSTALLED IN ACCORDANCE WITH THE TRINITY CONTAINERS, LLC QUALITY ASSURANCE PROCEDURE QS-LP-8.

SHOP NOTE:

SHELL RING WIDTHS MAY VARY, ADJUST IF BACK-UP BAR IS USED, HOLD LENGTH SEAM TO SEAM.

USE RUN OFF TABS ON EACH END OF SHELL RING WHEN WELDING LONG SEAM.



MARK	QTY	SIZE	DESCRIPTION	SERVICE	ITEM	PROJ	WELD	ATTACH. FIG.	GEN. NOTES
B	1	1 1/4"	COUPLING, FLANGED	LIQUID WITHDRAWAL	13, 17	TO SUIT	3/8	16.2 (c)	3
				FLOAT GAUGE					4
				PRESSURE GAUGE					
				SERVICE VALVE					
				VAPOR					
				FILLER					
				89% LIQUID LEVEL					
				RELIEF VALVE					
A	1	2 1/2"	PIPE, SCH 40 T.O.E.	MULTIVALVE	8, 17, 18	FLUSH I.S.	1/2	16.1 (w-1)	1,2,13
FITTINGS PARTS LIST SHIP INSTALLED ON VESSEL									
SCHEDULE OF OPENINGS									

- X-RAY LEGEND
- F

FULL OR RADIOGRAPHIC PER WRITTEN PROCEDURES
- Sa

SPOT REQUIRED PER UW-11(a)(5)(b)
- Sb

SPOT PER UW-11(b)

TRINITY CONTAINERS, LLC

CUSTOMER:

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TANK, HORIZONTAL STORAGE
46.77" OD (1188mm), 2000 NOM WG
(7570 L), 250 PSI (1.72 Mpa)
TRINITY STANDARD UGLR PROPANE
FOR NON-CORROSIVE SERVICE

DRAWING NO: 0074004200003
SHEET 1 OF 2
REV F
SIZE D

17

16

15

14

13

12

11

10

8

7

6

5

4

3

2

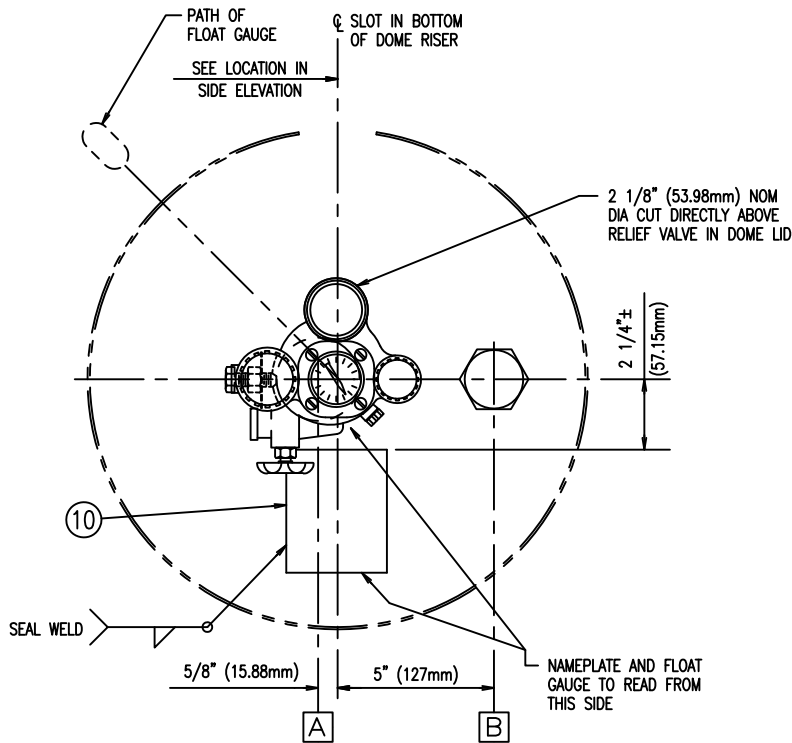
1

LINE CHART

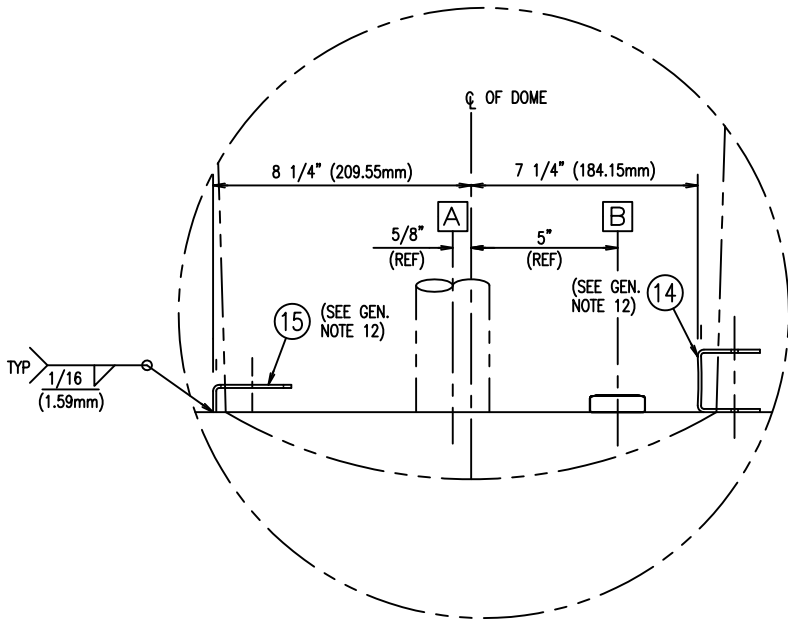
LINE	ITEM 19 PART NO.	QUANTITY	PAINT COLOR
99	2710018	17.66 LBS/8.01 kg	REDOX
CA	2710018	17.66 LBS/8.01 kg	REDOX

PARTS LIST

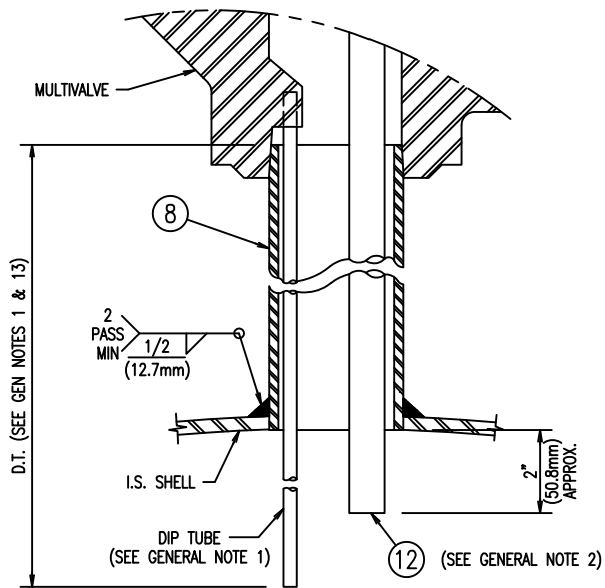
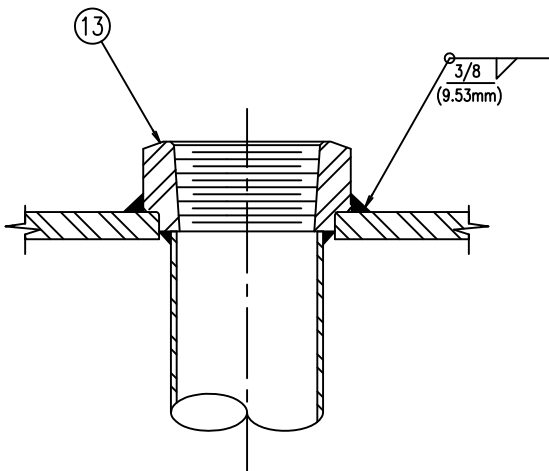
ITEM	PART NO.	QTY	DESCRIPTION
1	1711020022	2	HEAD, ELLIP. 2:1, 0.271" (6.88mm) MIN. THK X 46.77" (1188mm) OD
2	1711050014-01	2	SHELL RING, 0.273" (6.93mm) THK X 93.3125" (2370.14mm) LG
3	1711050014-02	1	SHELL RING, 0.273" (6.93mm) THK X 76.375" (1939.93mm) LG
4	1711180004-02	4	LEG, SUPPORT
5	1711070002-09	4	PAD, 1/4" X 9" X 12"
6	1711150004	4	LUG, LIFTING
7	1711070002-07	4	PAD, 1/4" X 3" X 7"
8	1711230001-02	1	PIPE, 2 1/2" (63.5mm) SCH 40 X 20 1/2" (520.7mm) (T.O.E.)
9	0907003	1	KIT, TAG (SEE GENERAL NOTE 6)
10	1711290198	1	NAMEPLATE, WELD-ON TYPE (SEE GEN. NOTES 8 & 9)
11	1711290085	1	NAMEPLATE, CABLE-ON TYPE (SEE GEN. NOTES 8 & 9)
12	1711230002-03	1	PIPE, 3/4" (19.05mm) SCH 40 X 23 5/8" (600.08mm) (T.O.E.)
13	1711220009	1	WITHDRAWAL TUBE, 46.614" (1184mm) OD
14	1711190001	1	HINGE, TANK, HOT DIPPED GALV. G-30 STL.
15	1711190019-06	1	HASP, TANK, HOT DIPPED GALV. G-30 STL.
16	1711220019	1	NAMEPLATE DUPLICATE ASS'Y
17	0907010	1	VALVE KIT, REGO (SEE GEN. NOTES 1 & 2)
18	230806057	1	FLOAT GAUGE, UGLR (SEE GEN NOTE 4)
19	SEE LINE CHART		COATING (SEE CONSTRUCTION NOTE 16)



SECTION A-A



DETAIL "B"

WELD ATTACHMENT DETAL
OPENING MK "A"WELD ATTACHMENT DETAL
OPENING MK "B"

F	JA	7-26-12	REVISED ITEM 18. WAS 230806029.
E	MCG	9-23-10	CHANGE VALVE KIT, WAS 0907055
D	JF	12-22-06	REVISED TRINITY NAME.
C	JF	6-8-06	ADDED CANDIAN L.L. REQUIREMENTS.
B	JF	2-28-06	REVISED ITEMS 1, 2 & 3.
A	JF	8-17-05	REVISED SECTION "A-A".
REV	BY	DATE	REVISION

S/O

CUSTOMER:



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DRAWN BBN 10-29-04

CHKD JF 10-29-04

APPD JCR 10-29-04

FILE NAME eB

LCN 02

WEIGHT

DRAWING NO:

0074004200003

SHEET 2 OF 2

REV F

SIZE D

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46.77" OD (1188 mm), 2000 NOM WG
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TRINITY STANDARD UGLR PROPANE
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