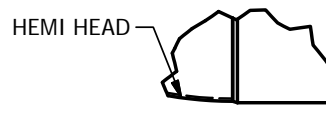
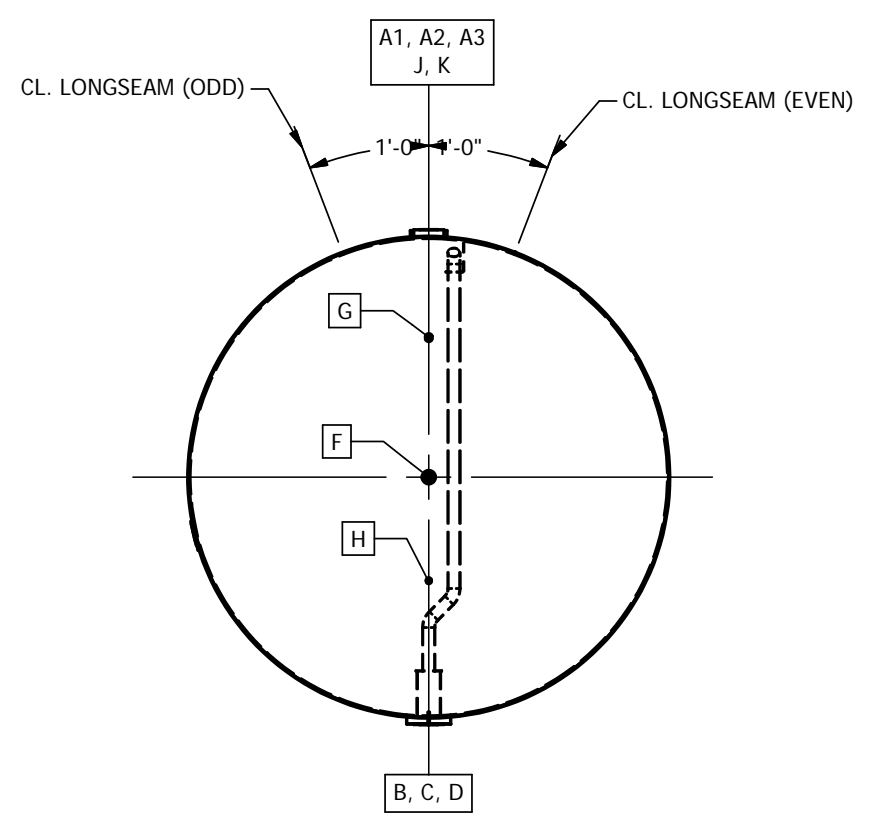


ELEVATION

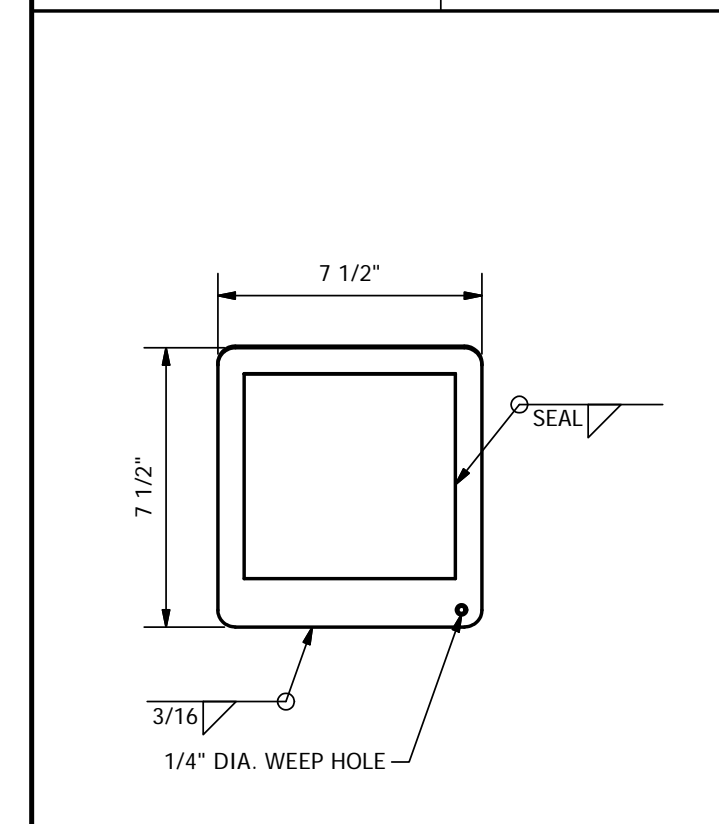


DETAIL C



VIEW B-B

WELD PROCEDURE	
JOINT DESCRIPTION	WELD PROCEDURE
STARTING HEAD	A101012(L71/960)/S10C02 (8018C2)
CLOSING HEAD	A101012/S10C02
LONG/ROUND SEAMS	A101012Q (L71/960)/S10C02
WEARPAD TO SHELL	F101002 (UC81)
WEARPAD TO GUSSET/STIFFENERS	F10113 (UC71)
SADDLES	F1111 (UC71)
FITTINGS TO SHELL	F10111(UC71)
FITTINGS TO HEAD & MANWAY	F10111
MISC.	F10113



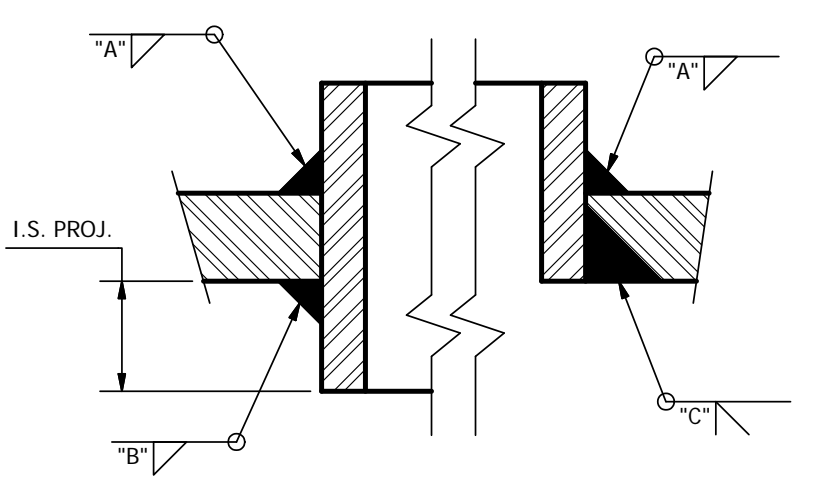
NAMEPLATE & PAD WELD DET'L

**CERTIFIED**

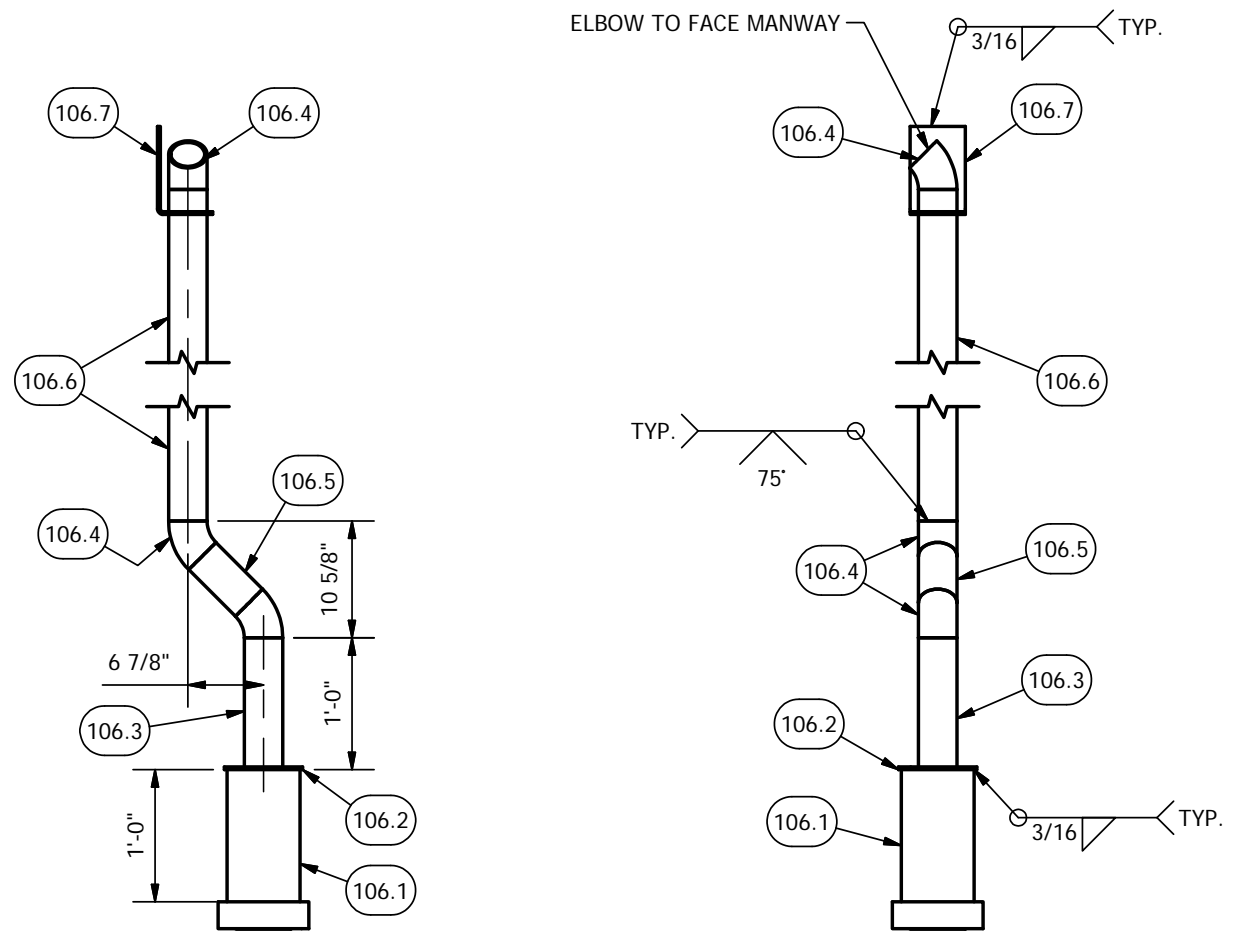
MA.W.P. 164/250 P.S.I. AT +125 °F  
 M.D.M.T. -20/+13 °F AT 164/250 P.S.I.  
 SN LDE57A01 YEAR 2014  
 RT 4 ABOVEGROUND

H.D. HEMI W.C. 90,000 GAL.  
 O.L. 1.614 IN. O.D. 131.428 IN.  
 SK THK. .714 IN. HD. .420 IN. MIN.  
 SURF. AREA 4.629 SQ. FT.

THIS CONTAINER SHALL NOT CONTAIN A PRODUCT THAT HAS A VAPOR PRESS. IN EXCESS OF 215 P.S.I.G. AT 100 °F



TYP. CPL'G & STUDDING OUTLET WELD DET'L



STANDPIPE DET'L @ "D"

ITEM	QTY	DESCRIPTION	MATERIAL	STOCK NUMBER	DES
115	1	.714" X 3'-6" PL. X 34'-2 11/16" LG. (ROLL TO 130" I.D.)	SA-612		M
113	1	ABOVE GROUND NAMEPLATE	Stainless Steel		
112	1	1/4" X 7 1/2" PL. X 7 1/2" LG.	SA-516 GR. 70	ST-4	M
111	1	1" 3000# THREADED HALF COUPLING	SA-105		
110	1	3/4" 6000# THREADED FULL COUPLING	SA-105	1238-9	R
109	1	1/2" X 7" LG. THERMOWELL	SA-105	1157-7	R
108	1	2 1/2" 3000# THREADED HALF COUPLING	SA-105	1234-8	R
107	1	3/8" X 3" PL. X 3" LG. (DRILL PER DET'L)	SA-516 GR. 70	ST-7	M
106.7	1	1/4" X 5" PL. X 12 9/16" LG. (CUT PER DET'L)	SA-516 GR. 70		M
106.6	1	3" SCH. 40 (.216" WALL) PIPE X 7'-6" LG. (TRIM AS REQ'D)	SA-106-B		
106.5	1	3" SCH. 40 (.216" WALL) PIPE X 6" LG.	SA-106-B		
106.4	3	3" SCH. 40 (.216" WALL) 45 B.W. ELBOW	SA-234-WPB		
106.3	1	3" SCH. 40 (.216" WALL) PIPE X 12" LG.	SA-106-B		
106.2	1	1/4" X 3 1/2" I.D. X 7 1/8" O.D.	SA-516 GR. 70		
106.1	1	6" SCH. 40 (.280" WALL) PIPE X 12" LG.	SA-106-B		
105	4	3" 300# R.F. STUDDING OUTLET X 2 1/2" MIN. THK. W/ 3 5/8" I.D. BORE	SA-516 GR. 70N	ST-13	M
104	1	4" 300# R.F. OUTLET X 2 3/8" MIN. THK.	SA-516 GR. 70N	ST-12	M
103	3	4" 300# R.F. STUDDING OUTLET X 2 5/16" MIN. THK.	SA-516 GR. 70N	ST-2	M
102	1	16" 150# MANWAY FLANGE	BS-16/BS-17		M
101	2	.42" MIN. THK. X 130" I.D. HEMI-HEAD	SA-612	AS-240	M
100	12	.714 X 10'-0 3/4" PL. X 34'-2 11/16" LG. (ROLL TO 130" I.D.)	SA-612		M

BILL OF MATERIAL

**VESSEL DESIGN DATA & INSPECTION NOTES**  
 CODE: 2013 ED. ASME, SECT. VIII, DIV. 1 ... ADD ...  
 CONSTRUCTION: WELDED  
 INTERNAL DESIGN PRESS: 164/250 PSIG @ +125 °F  
 EXTERNAL DESIGN PRESS: PSIG @ °F  
 EXTERNAL OPERATING PRESS: PSIG @ °F  
 MAX. ALLOW. WORKING PRESS: 164/250 PSIG @ +125 °F  
 HYDROSTATIC TEST: PSIG @ °F  
 SHELL THICKNESS: .714 NOM.  
 HEAD THICKNESS: .420 MIN.  
 CONE: NOM.  
 CORROSION ALLOWANCE: NONE  
 HEAT TREAT: NONE  
 X-RAY: RT 4  
 APPLY SYMBOL OR STAMP: PER ASME  
 INSPECTION: NATIONAL BOARD  
 HEADS SPEC. FOR GORE AND COLLAR SEAMS PER UW-1103  
 HEADS TO SHELL: 100%  
 SHELL LONGSEAM: 100%  
 SHELL TO SHELL: 100%  
 IF APPLICABLE: PER UW-1103(D) AND UW-420(D), W/ OR W/ PT WELD THROUGH WELD TO BE 1.1 TIMES AS SCRIBED BY WELD WELD UP

**GENERAL NOTES**

- All bolts to straddle normal centerline unless otherwise noted.
- Vessel to be cleaned after testing.
- All openings are to be protected prior to shipment.
- Approximate weight 133,500 lbs.
- Welding procedures SEE ABOVE
- A longitudinal & transverse workline to be stamped on vessel prior to layout of nozzles and attachments.
- Tolerances to be per \_\_\_\_\_ tolerance sheet.
- All flanges to be ASME B16.5-2003;
- All couplings to be ASME B16.11-2001.
- All elbows to be ASME B16.9-2003
- Flanges over 24" to be ASME "B16.47-1996"

SURFACE PREPARATION: POWER TOOL CLEAN  
 PAINT: ONE COAT OF SHERWIN WILLIAMS MACROPOXY 646 EPOXY PRIMER

MARK	QUAN	SIZE	RAT	FAC	TYPE	SERVICE	NOZZLE OD	WALL THK.	PAD THK.	PAD WIDTH	OS PROJ	IS PROJ	WELD A	WELD B	WELD C	BEVEL	B.O.M. NUMBER	
MH	1	16"	150#	RF	STUDDING OUTLET	MANWAY	23.5"	3.75"	----	----	----	----	0"	3/8	----	7/16	FULL	115
K	1	3"	300#	RF	STUDDING OUTLET	VAPOR	8.25"	2.3125"	----	----	----	----	0"	3/8	----	23/32	FULL	105
J	1	3"	300#	RF	STUDDING OUTLET	VAPOR	8.25"	2.3125"	----	----	----	----	0"	3/8	----	23/32	FULL	105
H	1	1/2" X 7"	3000#	THR'D	CPL'G	THERMOWELL	1.375"	.267"	----	----	----	----	3/4"	3/16	3/16	----		109
G	1	3/4"	6000#	THR'D	CPL'G	PRESSURE/LIQUID LEVEL	1.75"	.35"	----	----	----	----	3/8"	3/8	3/8	----		110
F	1	2 1/2"	3000#	THR'D	CPL'G	FLOAT/ROTARY GAUGE	3.625"	.375"	----	----	----	----	3/8"	3/8	3/8	----		108
E	1	1"	3000#	THR'D	CPL'G	INSPECTION	1.75"	.2175"	----	----	----	----	1/4"	1/4	1/4	----		111
D	1	3"	300#	R.F.	STUDDING OUTLET	VAPOR W/ STANDPIPE	8.25"	2.3125"	----	----	----	----	0"	3/8	----	23/32	FULL	105
C	1	3"	300#	R.F.	STUDDING OUTLET	LIQUID	8.25"	2.3125"	----	----	----	----	0"	3/8	----	23/32	FULL	105
B	1	4"	300#	R.F.	STUDDING OUTLET	LIQUID W/ 5 7/8" BORE	12.0"	3.0625"	----	----	----	----	0"	3/8	----	23/32	FULL	104
A1-A3	3	4"	300#	R.F.	STUDDING OUTLET	RELIEF	10.0"	3.0"	----	----	----	----	0"	3/8	----	23/32	FULL	103

SCHEDULE OF OPENINGS

**REFERENCE DRAWINGS**

**TRANSTECH ENERGY**  
 P.O. BOX 8197  
 ROCKY MOUNT NC 27864  
 888.206.4563  
 www.transtechenergy.com

JOB NO. LDE57A01 UNITS REQ'D. ONE

130" I.D. X 123'-6" SM/SM  
 90,000 W.G. CAPACITY LPG  
 STORAGE TANK

D = DOMESTIC MATERIAL; M = MILL TEST REPORT; A = APPROVED VENDOR LIST;  
 R = RECORD; C = VENDOR CERTIFICATION OF DOMESTIC ORIGIN

DWN BY: DATE: DWG. NO. LDE57A01 REV. 0  
 CKD BY: APPROVED BY: SCALE: N.T.S.