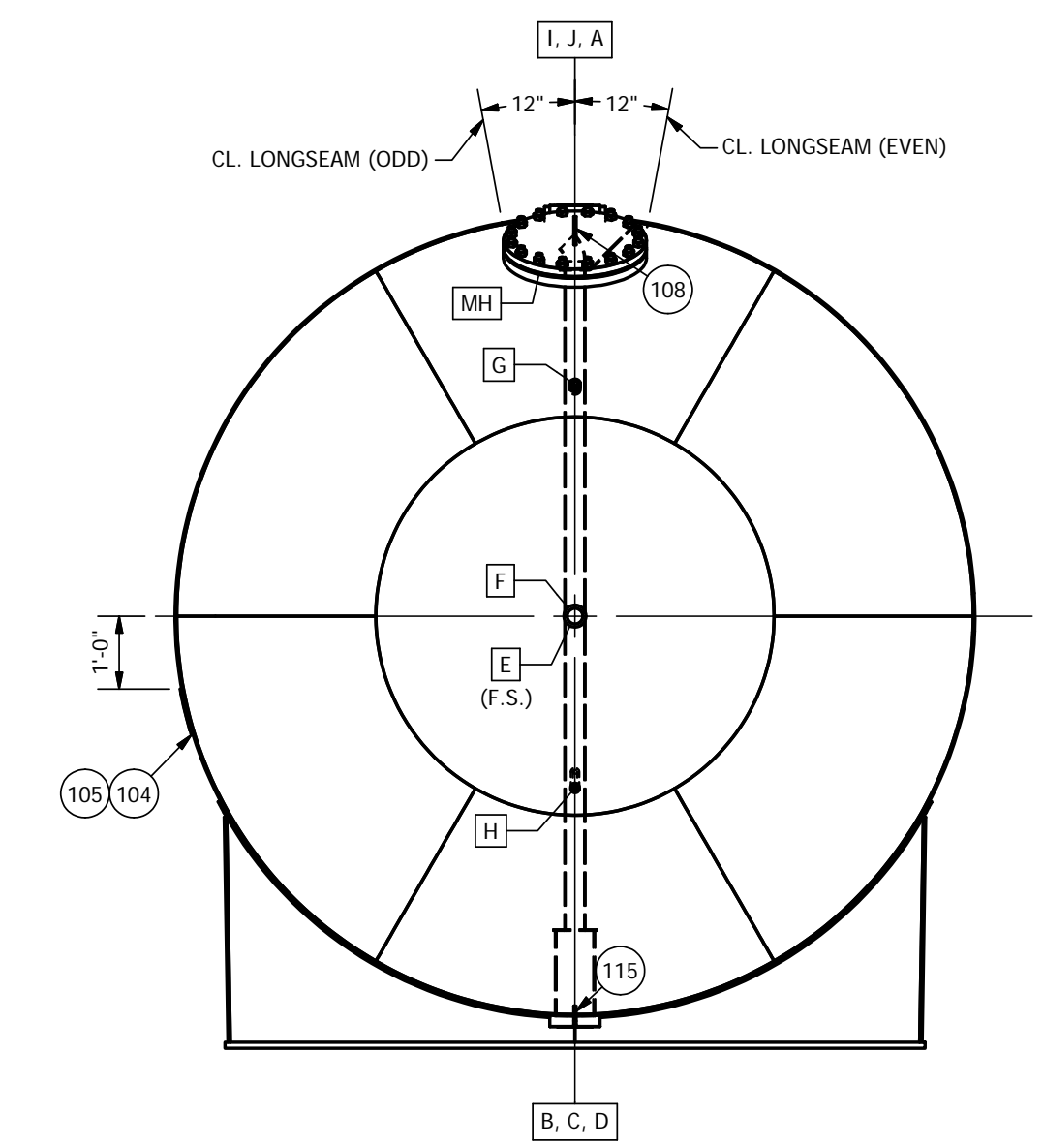
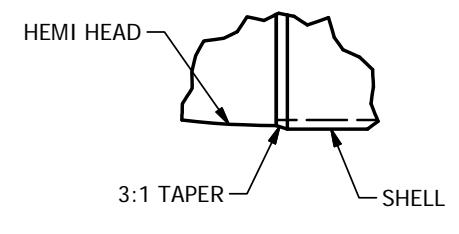


ELEVATION

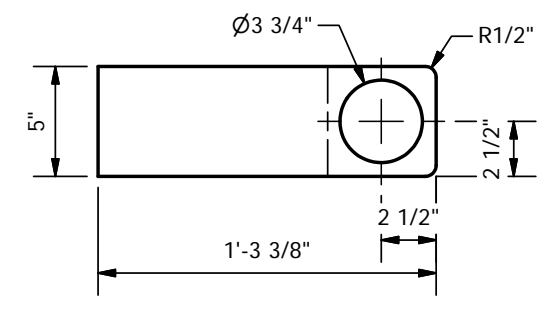


FRONT VIEW

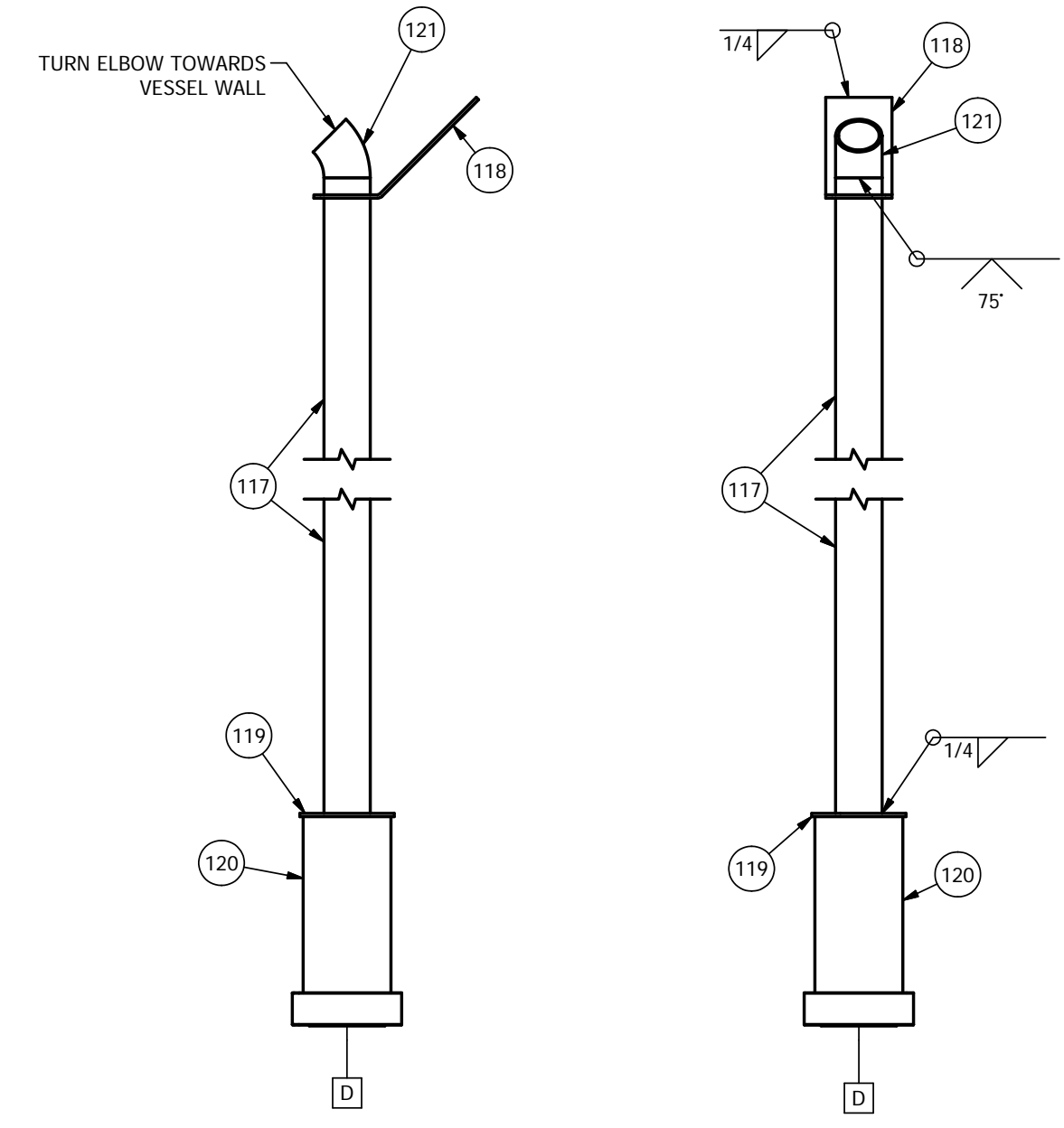


DETAIL E

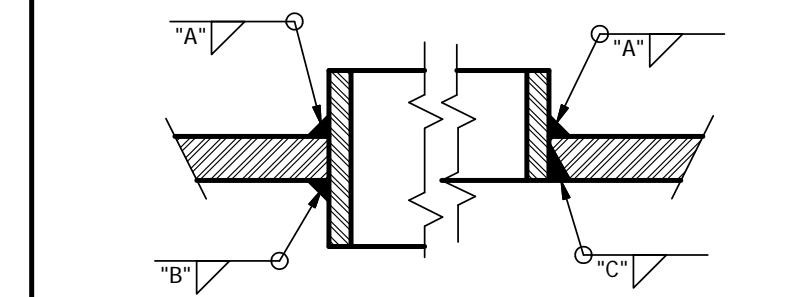
WELD PROCEDURES	
JOINT DESCRIPTION	PROCEDURE NO.
COUPLING TO VESSEL SHELL	F10114
SADDLE PADS TO VESSEL	F10114
SHELL LONGITUDINAL SEAM	A101016 (L71/960)/S10C02
SHELL TO STARTING HEAD SEAM	A101012 (L71/960), S10C02 (8018C2)
SHELL TO CLOSING HEAD SEAM	F101002 (UC81), A101012
SADDLE	F1120 (UC71)
STUDDING OUTLET/COUPLING TO HEAD	F10114 (UC71)
MISC.	F101002



DET'L ITEM #118



STANDPIPE DET'L (DO NOT WELD BRACKET TO PIPE)



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

CERTIFIED BY: \_\_\_\_\_

MAWP: 250 AT: +125 °F

U: \_\_\_\_\_ MOMT: +13 AT: 250 PSIG

W: \_\_\_\_\_ S/N: L11087 YEAR: 2018

RT 4 X ABOVEGROUND UNDERGROUND

HD: \_\_\_\_\_ WC: 30.000 GAL

OK: 568.875" OD: 131.40 IN

MD: 55987 SHELL THK: .714 IN HEAD THK: .420 IN MIN: \_\_\_\_\_ OSA: 1.633 SG: 11

COINCIDENT MOMT: -20°F @ 164 PSI

THIS CONTAINER SHALL NOT CONTAIN A PRODUCT THAT HAS A VAPOR PRESSURE IN EXCESS OF 215 PSIG AT 100 °F

**VESSEL DESIGN DATA & INSPECTION NOTES**

CODE: 2015 ED. ASME, SECT. VIII, DIV. 1

CONSTRUCTION: WELDED

INTERNAL DESIGN PRESS: 250 PSIG @ +125 °F

EXTERNAL DESIGN PRESS: \_\_\_\_\_ PSIG @ \_\_\_\_\_ °F

INTERNAL OPERATING PRESS: \_\_\_\_\_ PSIG @ \_\_\_\_\_ °F

EXTERNAL OPERATING PRESS: \_\_\_\_\_ PSIG @ \_\_\_\_\_ °F

MAX. ALLOW. WORKING PRESS: 250 PSIG @ +125 °F

HYDROSTATIC TEST: 325 PSIG @ AMBIENT °F

SHELL THICKNESS: .714 NOM

HEAD THICKNESS: .420 MIN

CONE: \_\_\_\_\_ NOM

CORROSION ALLOWANCE: NONE

HEAT TREAT: \_\_\_\_\_

X-RAY: RT 4

APPLY SYMBOL OR STAMP: PER ASME

INSPECTION: NATIONAL BOARD

- 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 45,702 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 B16.5-2013.
  - All couplings to be ASME B16.11-LATEST EDITION.
  - All elbows to be ASME B16.9-LATEST EDITION
  - Flanges over 24" to be ASME "B16.47-2011"
- SURFACE PREPARATION: EXTERIOR POWER TOOL CLEANED
- PAINT: ONE COAT SHERWIN WILLIAMS MACROPOXY 646

X-RAY OR PAUT	
JOINT DESCRIPTION	X-RAY
HEADS	SPOT UW-11(b)/TYPE 1
STARTING HEAD TO SHELL	SPOT UW-11(b)/TYPE 1
SHELL LONG SEAMS	FULL UW-11(a)/TYPE 1
SHELL ROUND SEAMS	FULL UW-11(a)/TYPE 1
CLOSING HEAD TO SHELL	SPOT UW-11(b)/TYPE 1

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 W/ BLIND	23.5"	3.75"	----	----	----	----	0"	3/8	----	7/16	FULL	108.112
J	1	3"	300#	RF	STUDDING OUTLET	VAPOR	8.25"	2.3125"	----	----	----	----	0"	3/8	----	3/4	FULL	114
I	1	3"	300#	RF	STUDDING OUTLET	VAPOR	8.25"	2.3125"	----	----	----	----	0"	3/8	----	3/4	FULL	114
H	1	1/2" X 7"	3000#	THR'D	CPL'G	THERMOWELL	1.375"	.267"	----	----	3/4"	----	1/4	----	----	----	----	106
G	1	3/4"	6000#	THR'D	CPL'G	COMBO VALVE/ PRESSURE	1.75"	.35"	----	----	3/8"	----	3/8	----	----	----	----	107
F	1	2 1/2"	3000#	THR'D	CPL'G	FLOAT GAUGE	3.625"	.375"	----	----	----	----	0"	3/8	----	7/16	FULL	110
E	1	1"	3000#	THR'D	CPL'G	INSPECTION OPENING	1.75"	.2175"	----	----	1/4"	1/4	1/4	----	----	----	116	
D	1	3"	300#	RF	STUDDING OUTLET	VAPOR W/ STANDPIPE	8.25"	2.3125"	----	----	----	----	0"	3/8	----	3/4	FULL	114
C	1	3"	300#	RF	STUDDING OUTLET	LIQUID FILL	8.25"	2.3125"	----	----	----	----	0"	3/8	----	3/4	FULL	114
B	1	3"	300#	RF	STUDDING OUTLET	LIQUID	8.25"	2.3125"	----	----	----	----	0"	3/8	----	3/4	FULL	114
A	1	4"	300#	RF	STUDDING OUTLET	RELIEF	10.0"	3.0"	----	----	----	----	0"	3/8	----	----	113	

ITEM	QTY	DESCRIPTION	MATERIAL	STOCK NUMBER	DES
169	1				
168	1				
121	1	3" SCH. 40 (.216" WALL) B.W. 45 ELBOW	SA-234-WPB		
120	1	6" SCH. 40 (.280" WALL) PIPE X 14" LG. (TRIM AS REQ'D)	SA-106-B		
119	1	1/4" X 3 1/2" I.D. X 7 1/8" O.D. PLATE	SA-516 GR. 70		
118	1	1/4" X 5" PL. X 15 3/8" LG. (CUT & BEND PER DET'L)	Generic		M
117	1	3" SCH. 40 (.216" WALL) PIPE X 110" LG.	SA-106-B		
116	1	1" 3000# THREADED HALF COUPLING	SA-105	1230-2	R
115	1	3/8" PL. X 3" X 3"	SA-516 GR. 70	13420	M
114	5	3" 300# R.F. OUTLET X 2 1/2" MIN. THK. W/ 3 5/8" BORE	SA-516 GR. 70N	13684	
113	1	2 1/2" THK. X 3 1/2" I.D. X 10 1/2" O.D.	SA-516-70N	13417	M
112	1	16" 150# R.F. MANWAY W/ BLIND		17074	
111	1	.420" MIN. THK. X 130" I.D. HEMI-HEAD (PER DWG. #LATER)		52261-14	M
110	1	2 1/2" 3000# THREADED HALF COUPLING	SA-105	52234-8	R
109	1	.420" MIN. THK. X 130" I.D. HEMI-HEAD (PER DWG. #LATER)		52261-13	M
108	1	3/8" X 4" PL. X 4" LG. (CUT PER DET'L)	SA-516 GR. 70	18549	
107	1	3/4" 6000# THREADED FULL COUPLING	SA-105	1238-9	R
106	1	1/2" X 7" LG. THERMOWELL	SA-105	1157-7	R
105	1	ABOVE GROUND NAMEPLATE	Stainless Steel		
104	1	1/4" X 7 1/2" PL. X 7 1/2" LG.	SA-516 GR. 70	13419	M
103	1	0.714" X 109 1/2" PL. X 410 5/8" LG. (ROLL TO 130" I.D.)	SA-612		M
102	1	0.714" X 109 1/2" PL. X 410 5/8" LG. (ROLL TO 130" I.D.)	SA-612		M
101	1	0.714" X 109 1/2" PL. X 410 5/8" LG. (ROLL TO 130" I.D.)	SA-612		M
100	1	0.714" X 109 1/2" PL. X 410 5/8" LG. (ROLL TO 130" I.D.)	SA-612		M

**TRANSTECH ENERGY**

MO NO. 55987 UNITS REQ'D. ONE

**TRANSTECH ENERGY**

130" I.D. X 568.875" O.A.L.  
30,000 W.G. CAP. LPG STORAGE TANK

DATE: 8/14/2018 DWG. NO. L11087 REV. 0