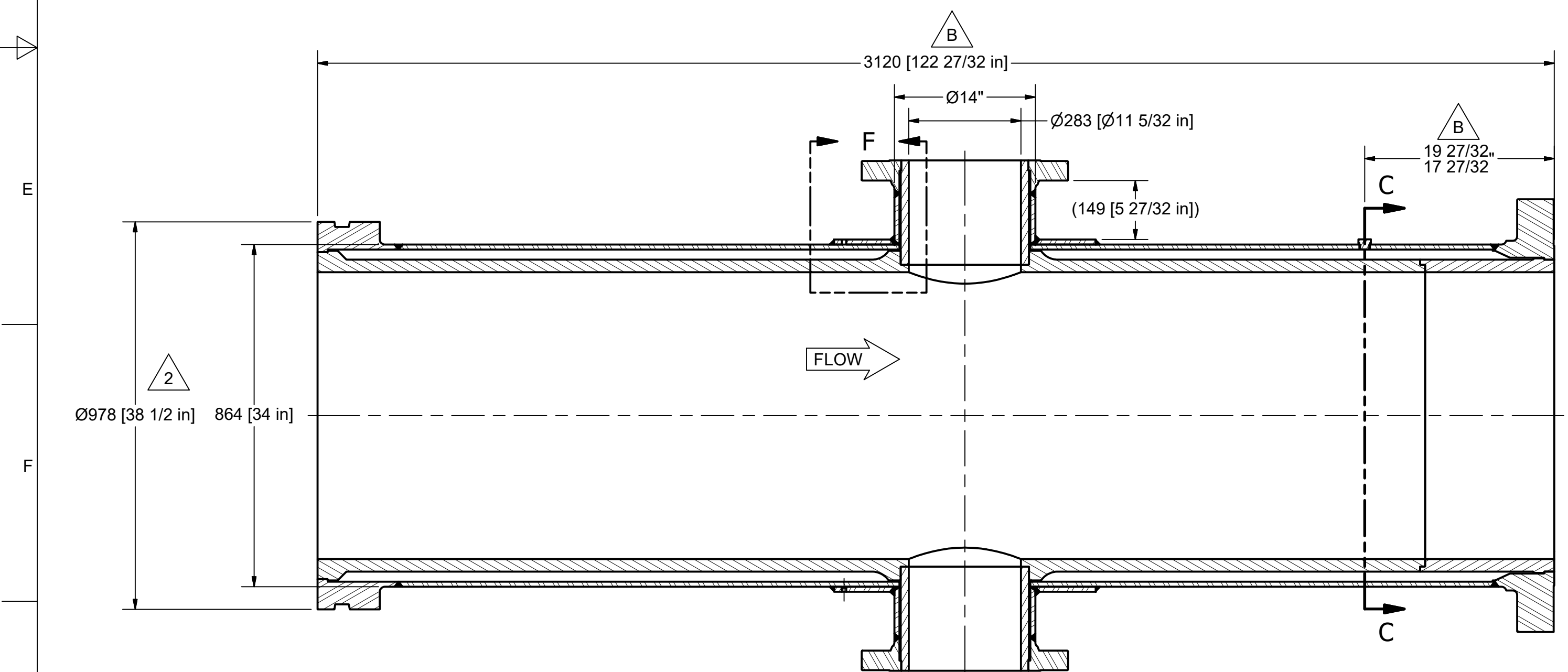
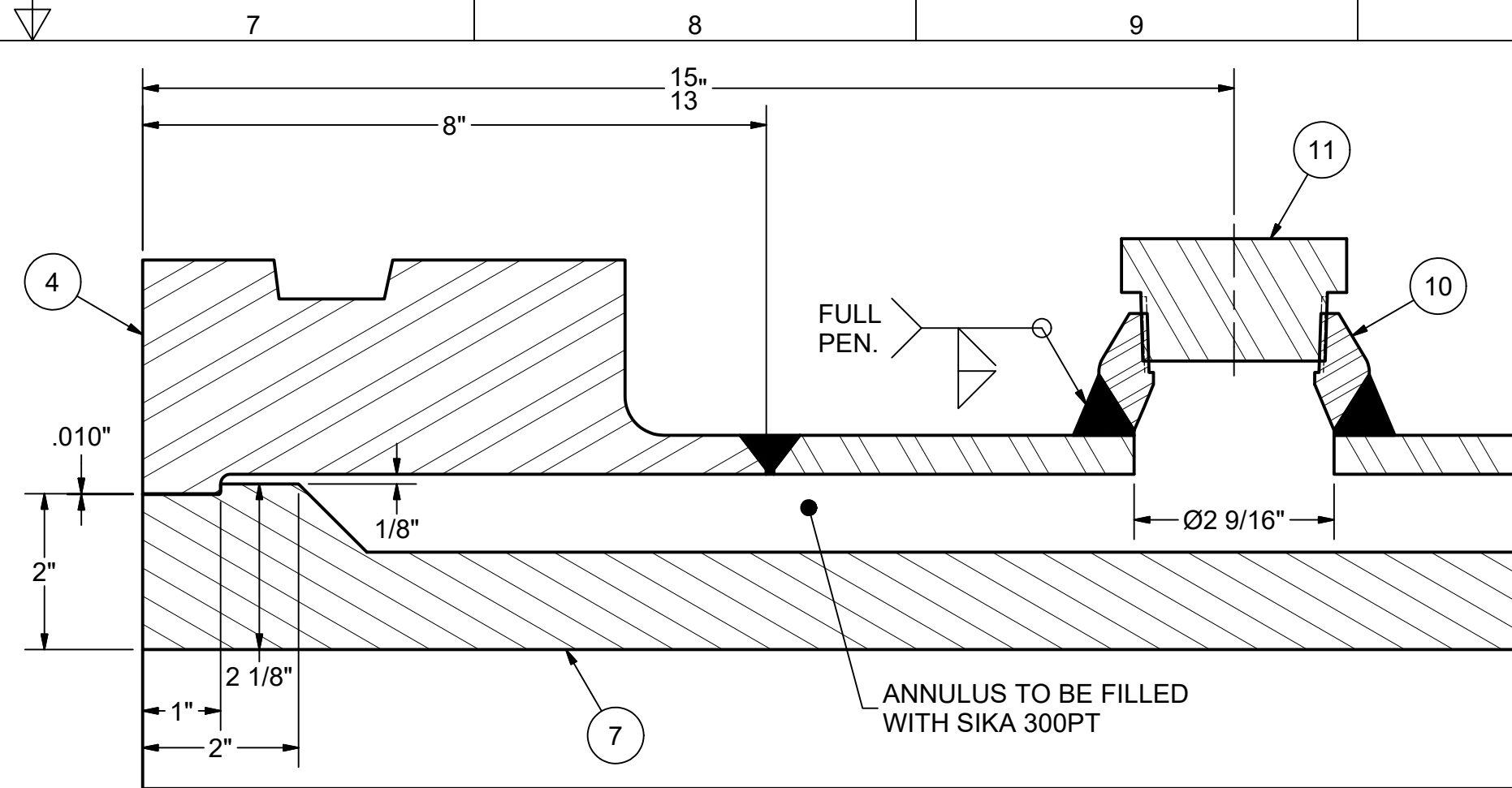


SECTION B-B

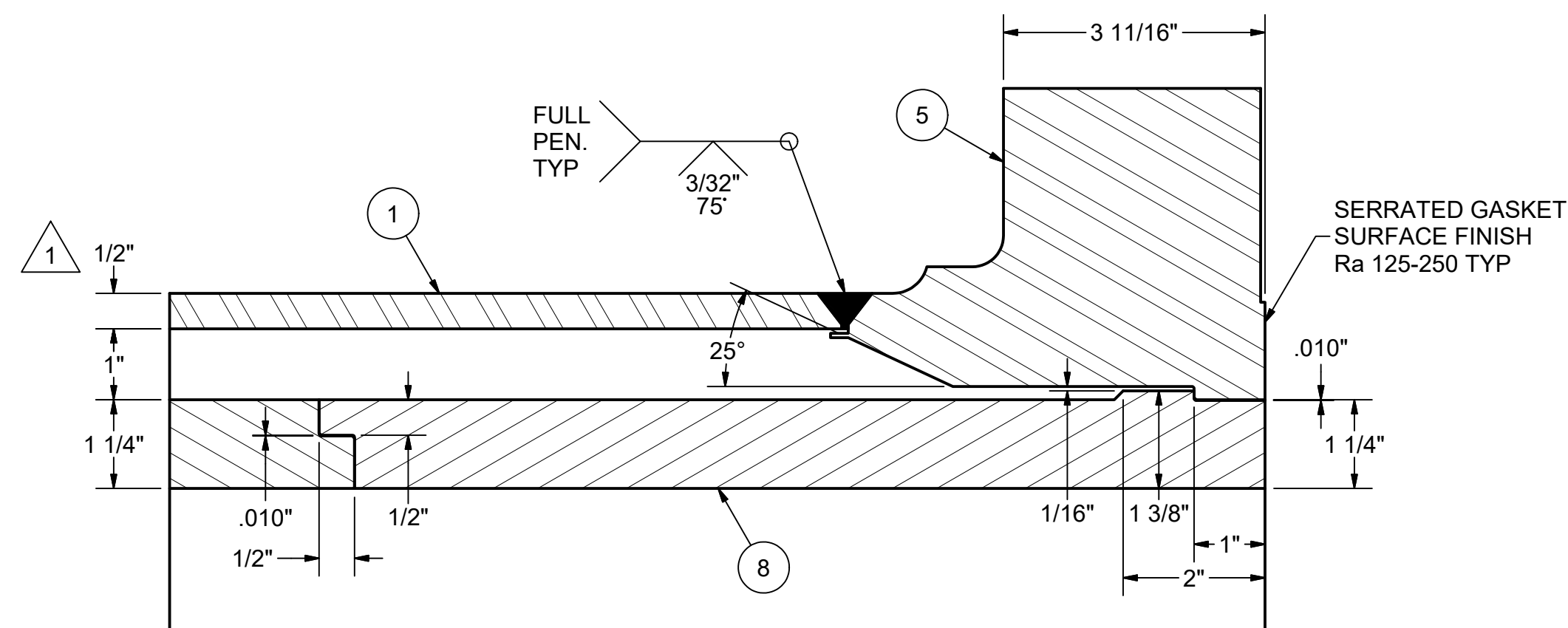


SECTION A-A

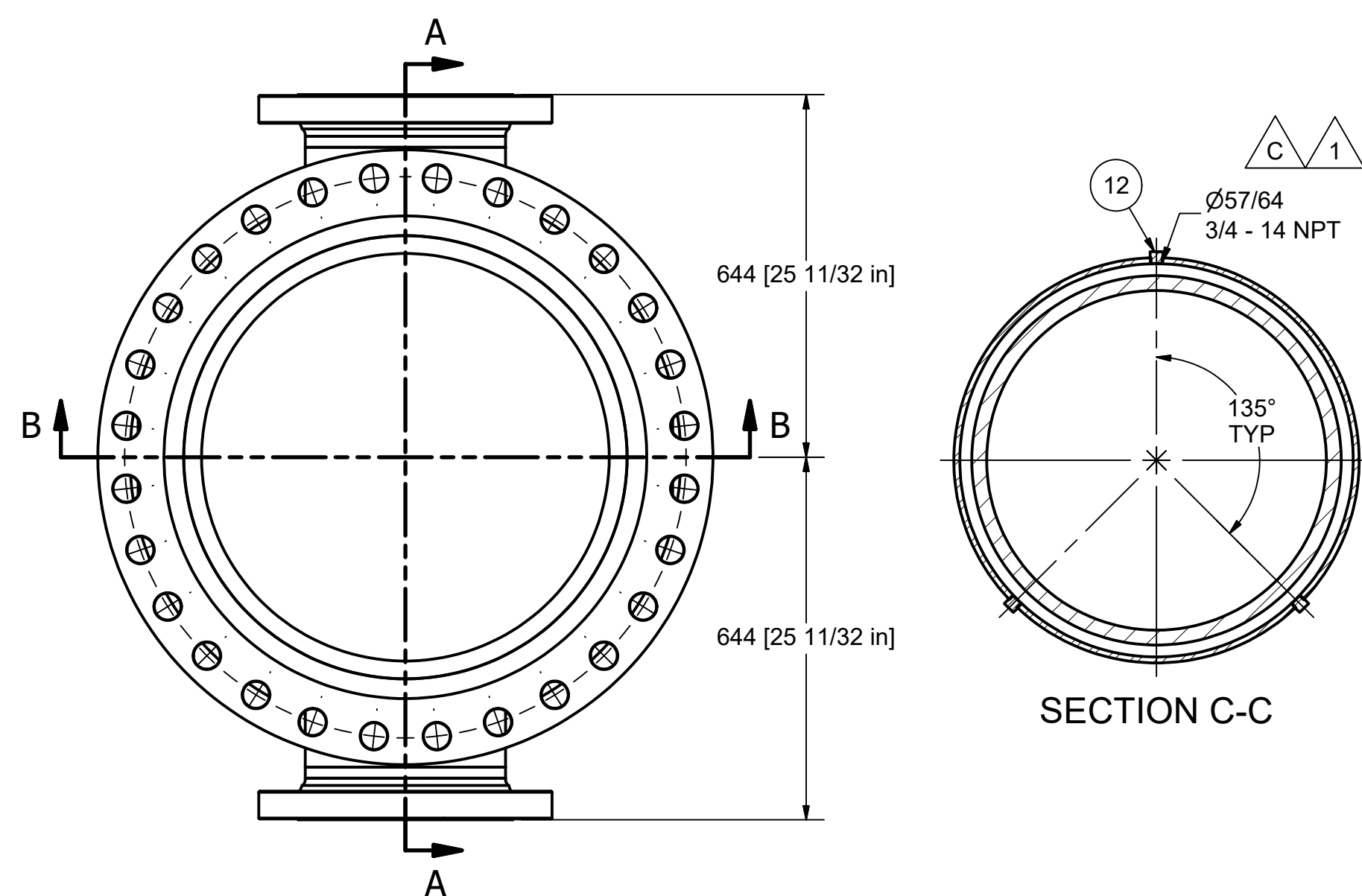
BILL OF MATERIAL			
ITEM	ITEM QTY	PART NUMBER	DESCRIPTION
1	1	A1-19027-400-01 34in pipe	34" XS x 108 25/32" PIPE, API 5L X65M
2	2	A1-19027-400-02 14in pipe	14" XS x 6 1/4" PIPE, API 5L X65
3	2	A1-19027-400-03 Repad	14" ID x 6" WIDE x 90" REPAD CUT FROM 34" XS PIPE (26" x 100"), API 5L X65M
4	1	A1-19027-200-02 36in Type B victaulic ring	36" TYPE B VICTAULIC RING FOR 200 SERIES COUPLING, A350 LF2, CUSTOM TYPE B
5	1	A1-19027-400-05 30in CL300 RF flange	30" CLASS 300 ASME B16.47 Ser.A RF50 FLANGE, A350 LF2, Ø31" BORE
6	2	A1-19027-400-06 12in CL300 RFWN flange	12" STD CLASS 300 RFWN FLANGE, A350 LF2
7	1	A1-19027-400-07 HCWI liner - trunk	28 1/2" ID x 1 1/4" WALL x 109.5" HCWI LINER w/ DRAINS, ASTM A532 CLASS III TYPE A, PF# 470299
8	1	A1-19027-400-08 HCWI liner - pup	28 1/2" ID x 1 1/4" WALL x 13 11/32" HCWI LINER PUP, ASTM A532 CLASS III TYPE A, PF# 470298
9	2	A1-19027-400-09 HCWI liner - drain	11 1/8" ID x 13/16" WALL x 10 11/32" HCWI LINER, ASTM A532 CLASS III TYPE A, PF# 470297
10	1	A1-19027-400-10 2in x 34in threadolet	2" x 34" CLASS 3000 THREADOLET, A105N
11	1	ASME B16.11 Hex Head Plug 2	2"-NPT HEX BULL PLUG, SA234 WPB-S9
12	3	ASME B16.11 Hex Head Plug 3/4	3/4"-NPT HEX BULL PLUG, SA234 WPB-S9
13	2	Tag mount - 6in	C6x8.2 x 6" [152mm], 44W
14	-	GROUT	SIKA 300PT



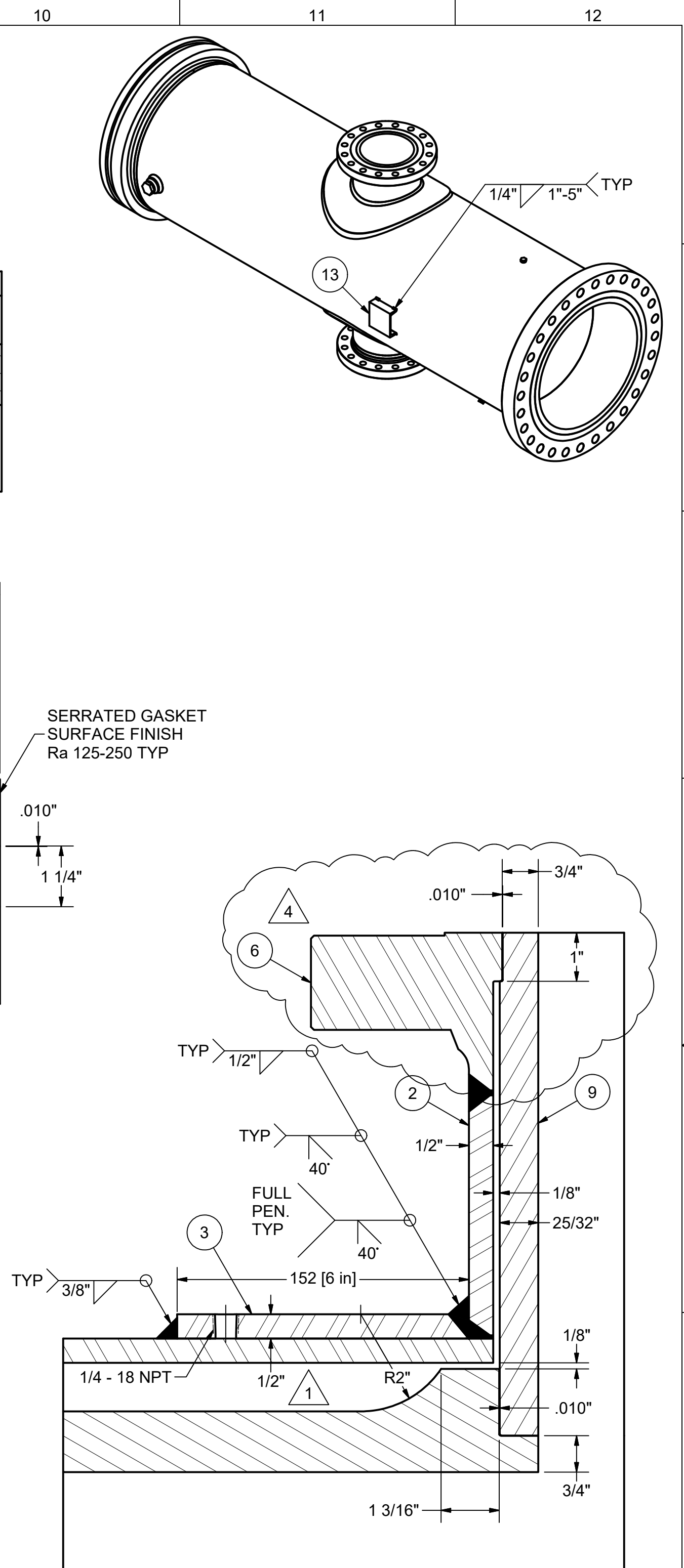
DETAIL D



DETAIL E

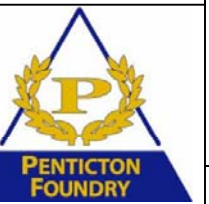



SECTION C-C



DETAIL F

DESIGN CODE:	ASME B31.3, 2018
SERVICE:	HYDROTRANSPORT SLURRY
DESIGN PRESSURE:	3447 kPa (500 psig)
DESIGN TEMPERATURE:	94°C (201°F)
TEST PRESSURE:	7665 kPa (1112 psig)
TEST TEMPERATURE:	15°C (59°F)
TEST DURATION:	10 MINUTES



<p>REFER TO DRAWING A1-00001-100-01 FOR ALL GENERAL NOTES AND SPECIFICATIONS</p>			
<p>EST. WT. 8,560 lbs.</p> <p>UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. BREAK ALL SHARP EDGES 0.031 OR 0.063 RADIUS (0.015 R. 0.010 INTERPRET DOWNSIDE PER ANSI Y14.5 STANDARD).</p> <p>TOLERANCES</p> <p>X ± 0.176</p> <p>X.X ± 0.030</p> <p>XXX ± 0.015</p> <p>XXXX ± 0.005</p> <p>ANGLES 1:12</p> <p>125° FINISH ON ALL MACHINED SURFACES</p>		<p><b>DO NOT SCALE</b></p> <p>DRAWING BY: <b>GVD</b> DATE: <b>1/06/20</b></p> <p>CHECKED BY: <b>KLS</b> DATE: <b>3/18/20</b></p> <p>APPROVED: <b>BEM</b> DATE: <b>3/18/20</b></p> <p>MATERIAL &amp; HEAT TREAT</p>	
<p>THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT PERMISSION FROM ALCO INC. OR ALCO ALUMINUM COMPANY OF CANADA.</p>		<p><b>ALCO Industrial</b></p> <p>2103 - 8 Street, Nisku, Alberta, Canada T9E 7Y9 Phone: (780) 451-6222 • Fax: (780) 452-4355</p>	
<p>PROJECT NO. <b>A1-19027</b></p> <p>REFERENCE <b>SP-237-2-P-126-1-C Rev.A</b></p> <p>FILE NAME <b>A1-19027-400-00 SP-237-2-P-126-1-C.idw</b></p>		<p>TITLE <b>SP0OL SP-237-2-P-126-1-C</b></p> <p><b>SYNCRUDE AURORA HT2 MAIN LINE</b></p> <p>REV. <b>4</b></p> <p>SHEET <b>1 OF 1</b></p>	