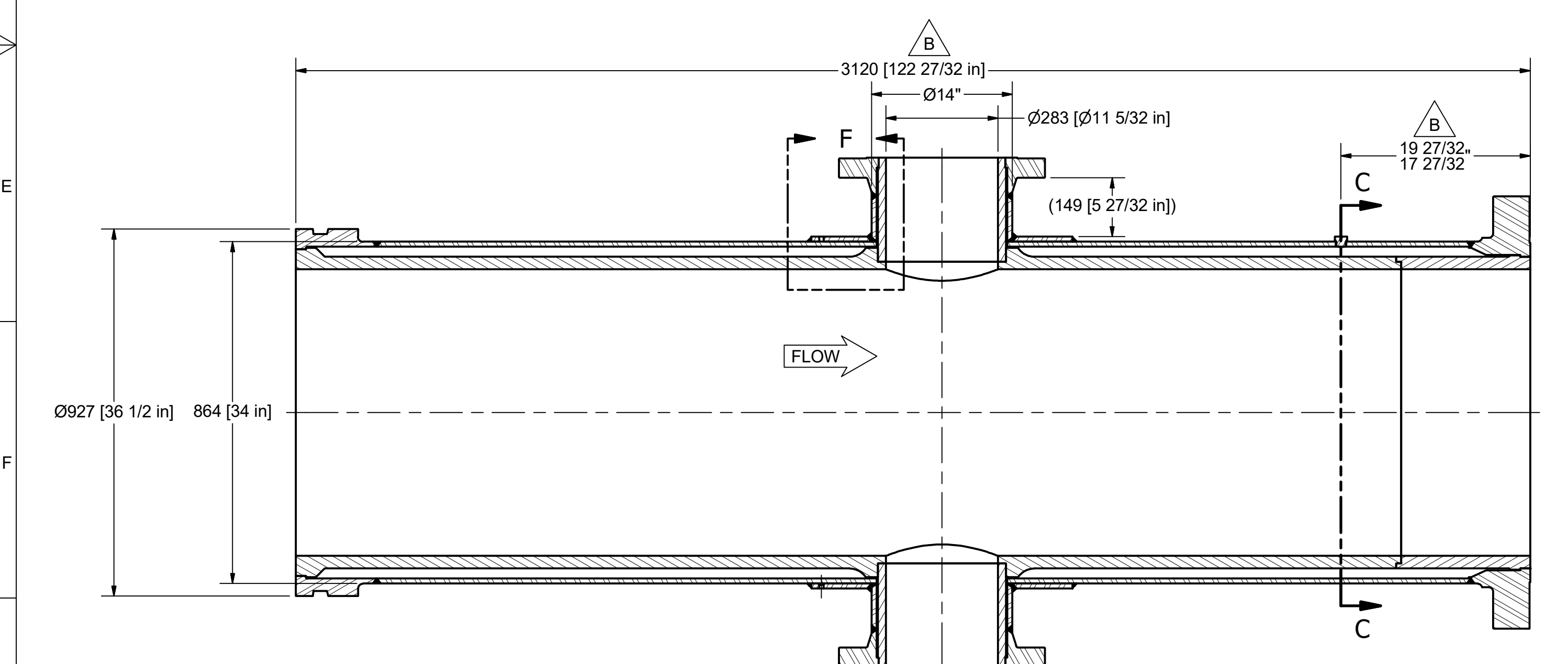
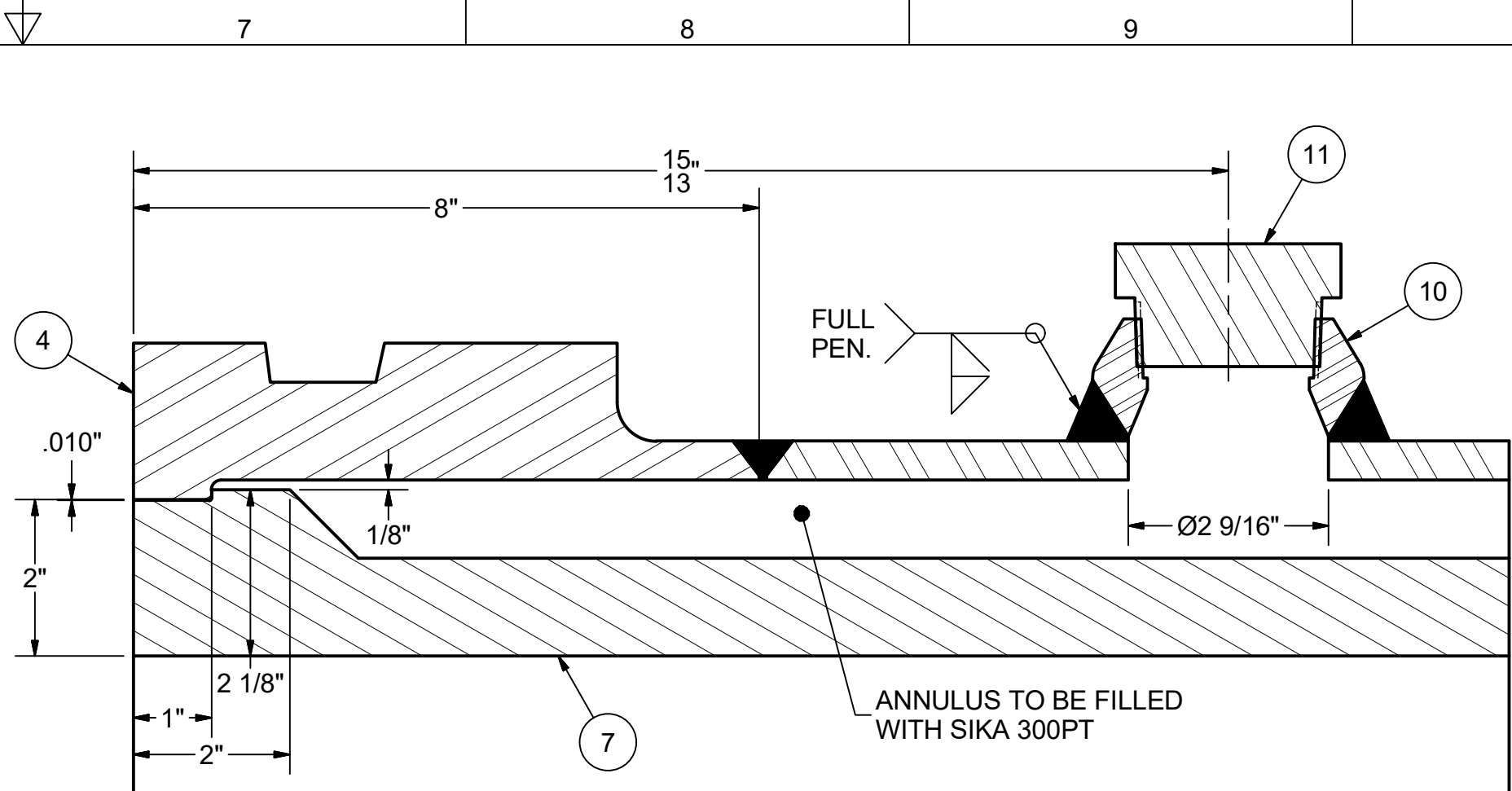


SECTION B-B

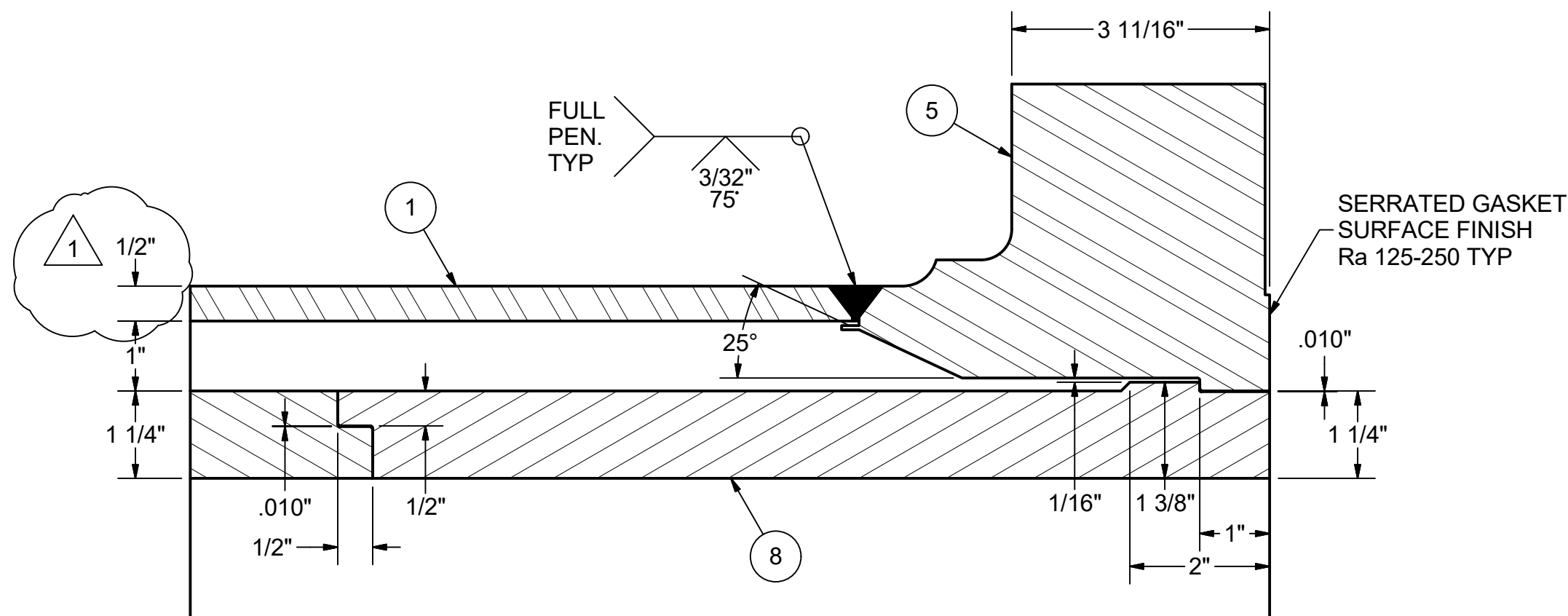


SECTION A-A

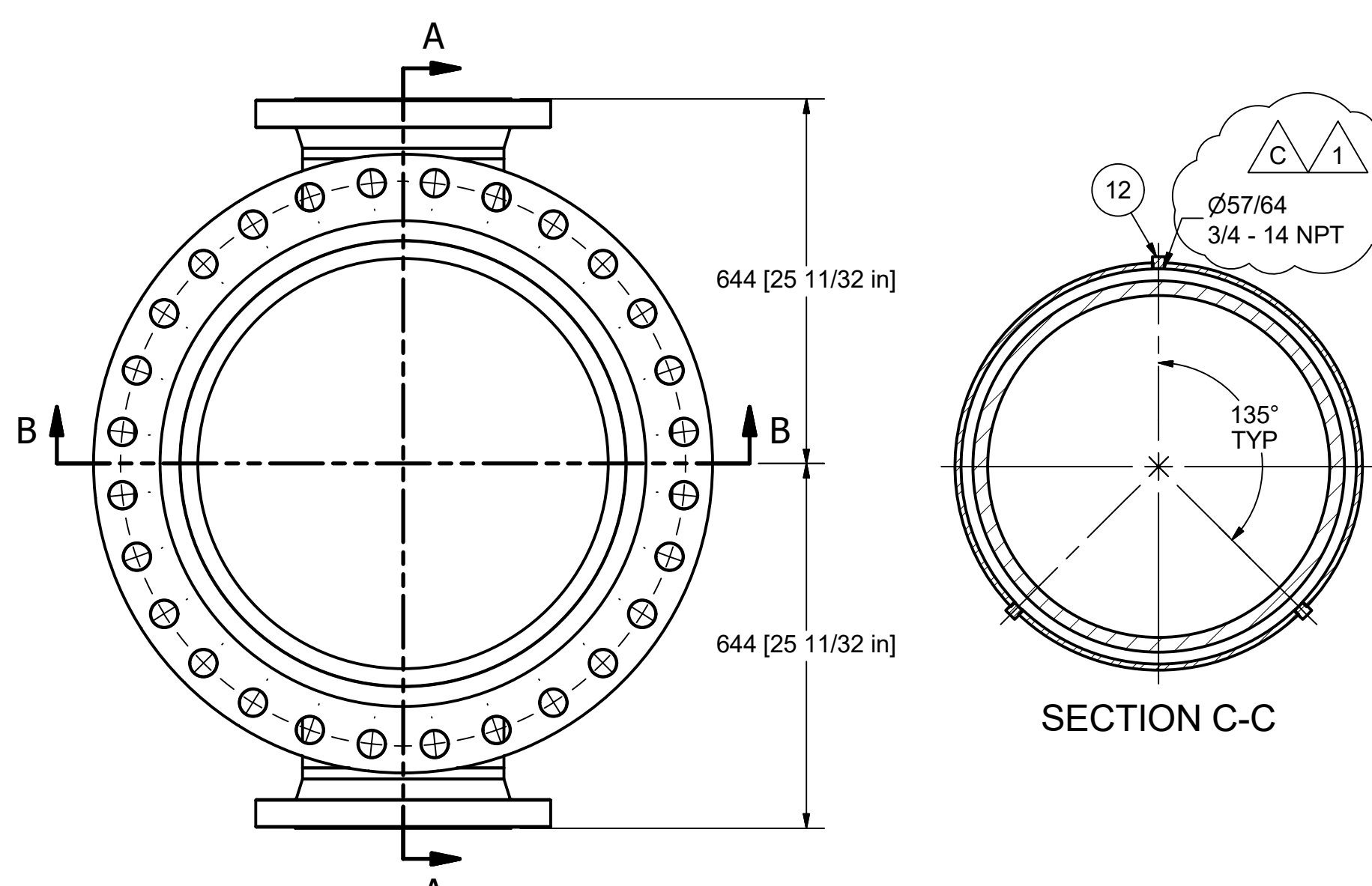
BILL OF MATERIAL			
ITEM	ITEM QTY	PART NUMBER	DESCRIPTION
1	1	A1-19027-400-01 34in pipe	34" XS x 108 25/32" PIPE, API 5L X65M
2	2	A1-19027-400-02 14in pipe	14" XS x 22 1/2" PIPE, API 5L X65
3	2	A1-19027-400-03 Repad	14" ID x 6" WIDE x 90" REPAD CUT FROM 34" XS PIPE (26" x 100"), API 5L X65M
4	1	A1-19027-200-02 34in Type B victaulic ring	34" 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 RF&SO FLANGE, A350 LF2, Ø29" BORE
6	2	A1-19027-400-06 Alco flange - 12in CL300	12" CLASS 300 RF ALCO FLANGE, A350 LF2, Ø12 5/8" BORE, MATES TO B16.5 CLASS 300
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



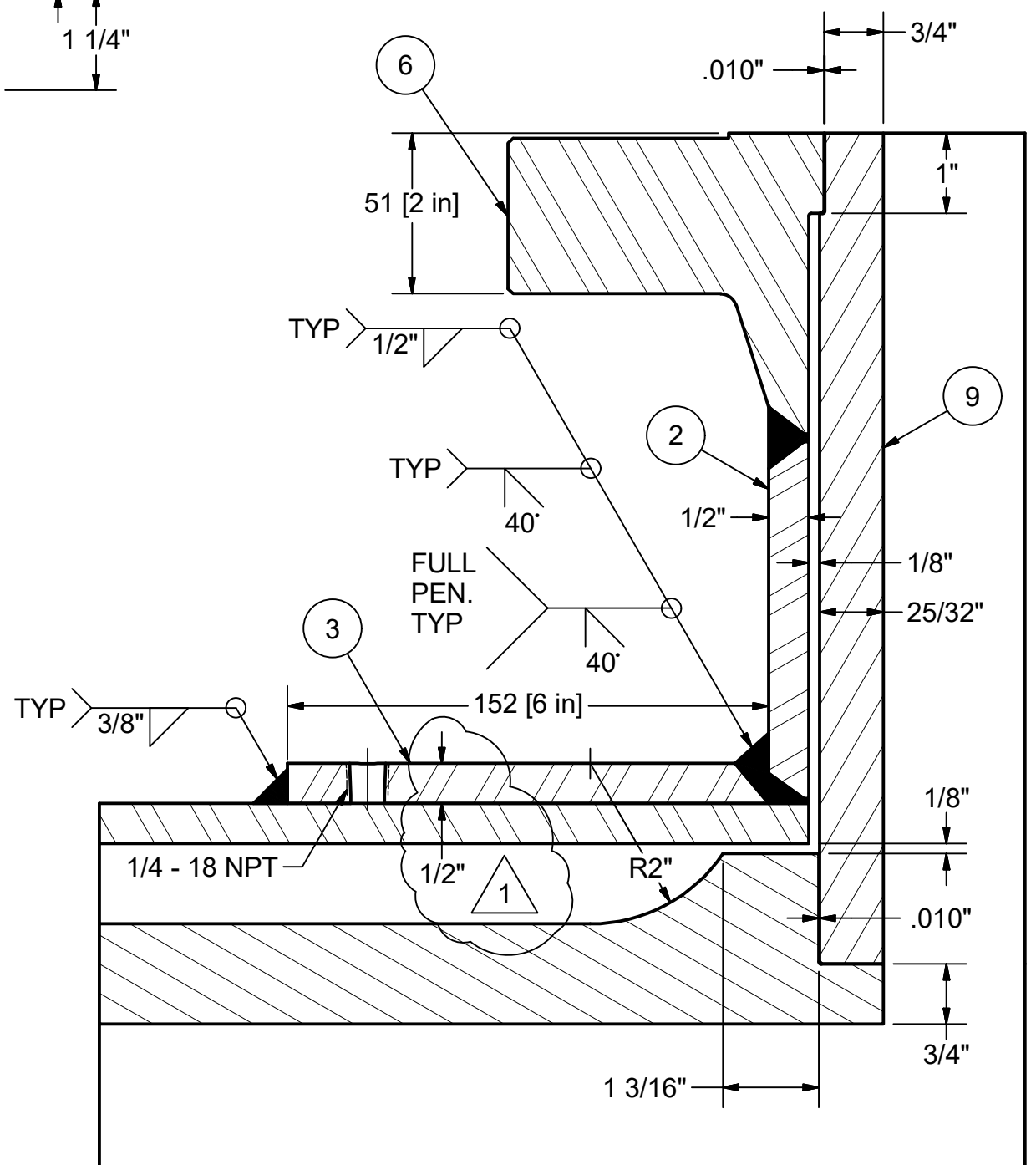
DETAIL D



DETAIL E



SECTION C-C



DETAIL F

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

REVISION HISTORY			
REV	DATE	DESCRIPTION	INITIALS
1	2/19/20	34" PIPE & REPAD WERE STD WALL, HEX PLUGS WERE 1/2"-NPT	GVD
0	2/12/20	ISSUED FOR CONSTRUCTION, PIPE WAS X56	BEM
C	2/11/20	PF NUMBERS ADDED, HOLE DIMENSION ADDED	KLS
B	1/21/20	OAL WAS 3123mm (122 15/16"), PORT LOCATION WAS 1636mm (64 13/32"), PLUG LOCATION WAS 19 15/16"/17 15/16", HYDROTEST PRESSURE WAS 5171 kPag (750 psig), UPDATED BoM	GVD
A	1/06/20	ISSUED FOR REVIEW	GVD

REFER TO DRAWING A1-00001-100-01 FOR ALL GENERAL NOTES AND SPECIFICATIONS		EST. WT. 8,355 lbs.	
OTHERWISE SPECIFIED UNLESS OTHERWISE SPECIFIED		DO NOT SCALE	
DRAWN BY: GVD		DATE: 1/06/20	
CHECKED BY: KLS		DATE:	
APPROVED: BEM		DATE:	
MATERIAL & HEAT TREAT		TITLE	
PROJECT No. A1-19027		REFERENCE	
FILE NAME		REV.	
A1-19027-400-00 SP-237-2-P-126-1-C.idw		1 OF 1	



ALCO Industrial	
2103 - 8 Street, Nisku, Alberta, Canada T9E 7Y9	
Phone: (780) 451-6222 • Fax: (780) 452-4355	
TITLE	
SP-237-2-P-126-1-C	
SYNCRUDE AURORA HT2 MAIN LINE	
PROJECT No. A1-19027	
REFERENCE	
SP-237-2-P-126-1-C Rev.A	
FILE NAME	
A1-19027-400-00 SP-237-2-P-126-1-C.idw	
REV.	
1	
SHEET	
1 OF 1	