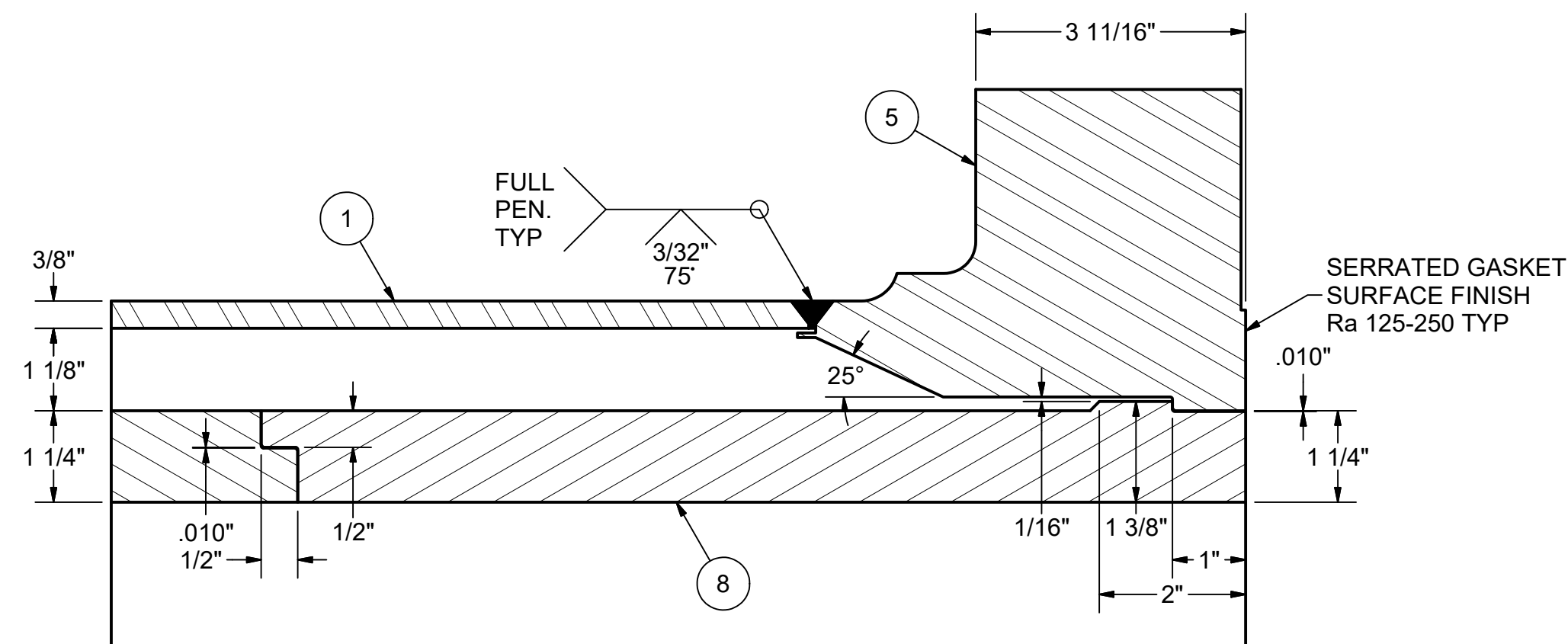
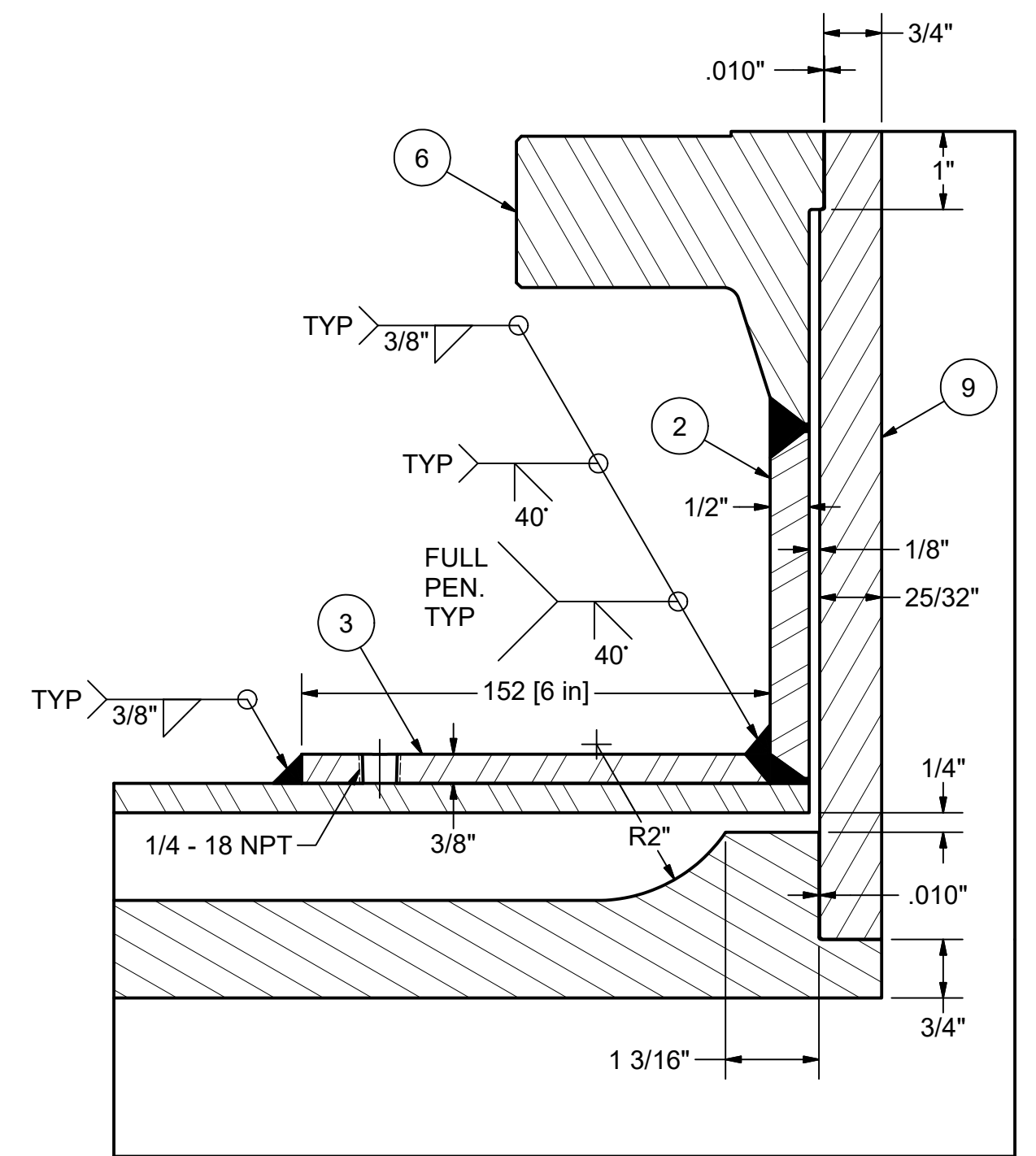


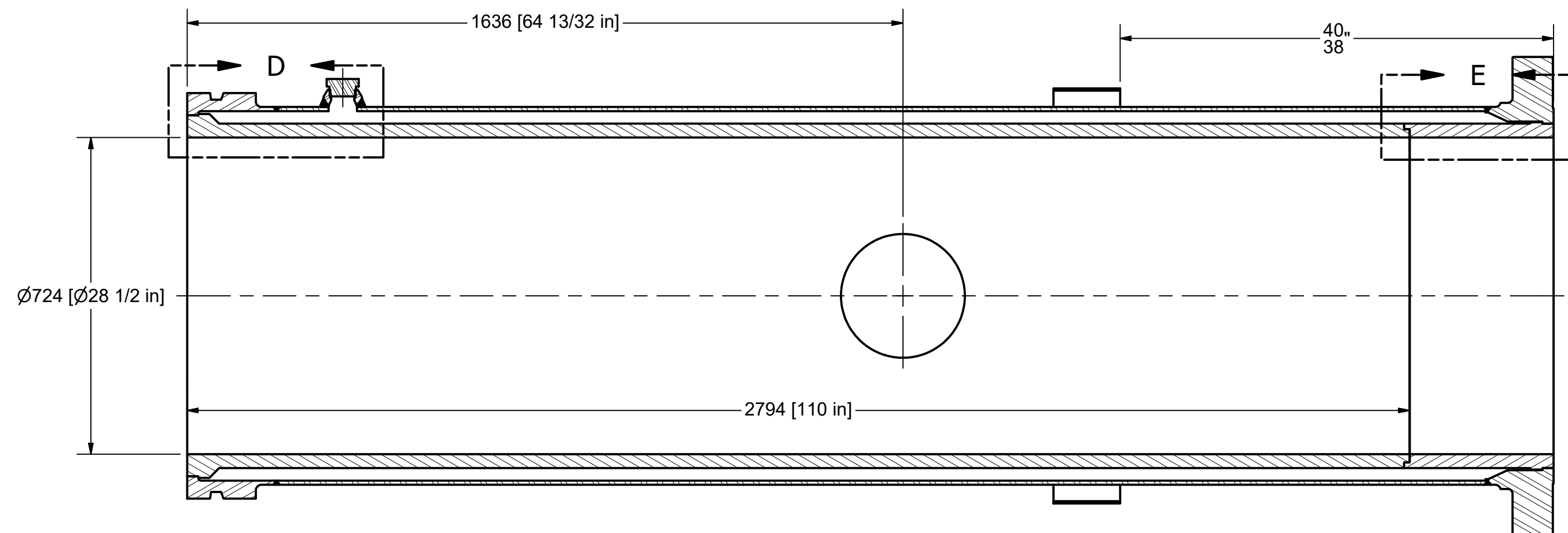
DETAIL D



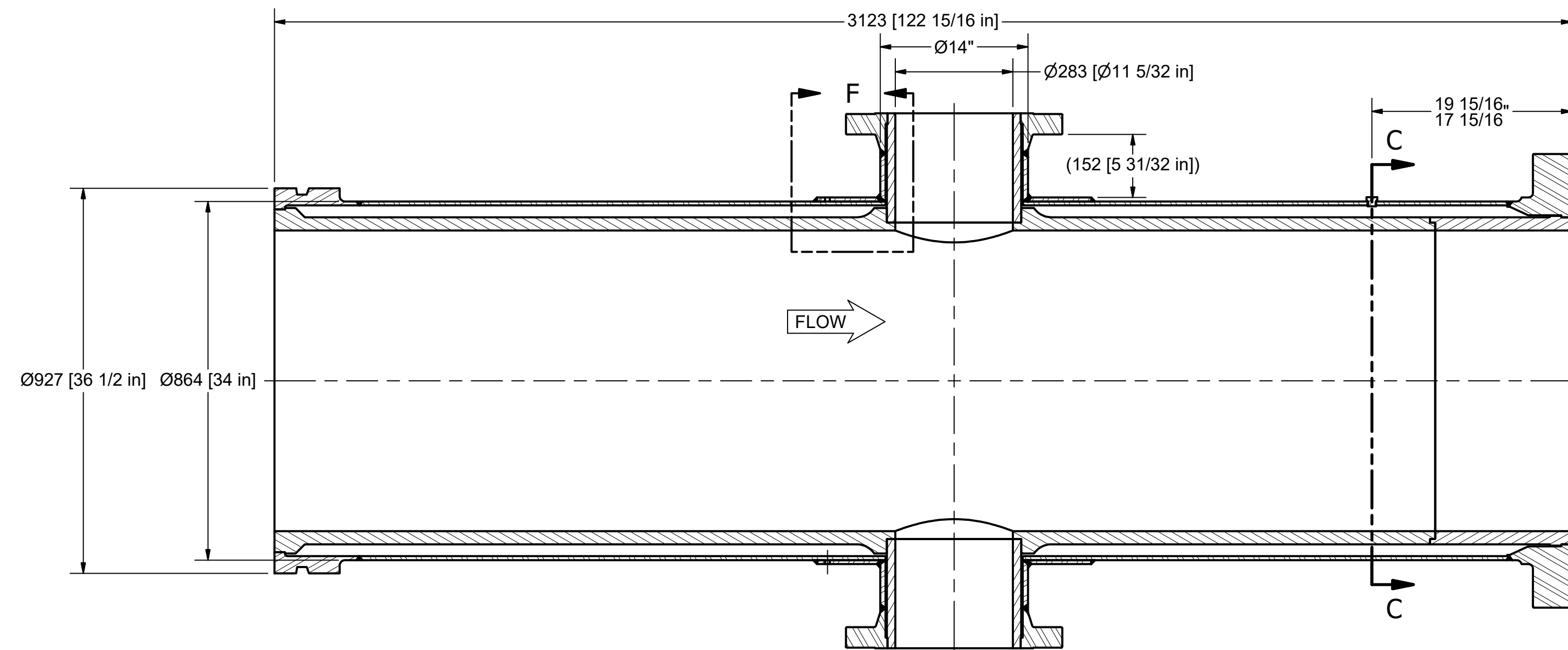
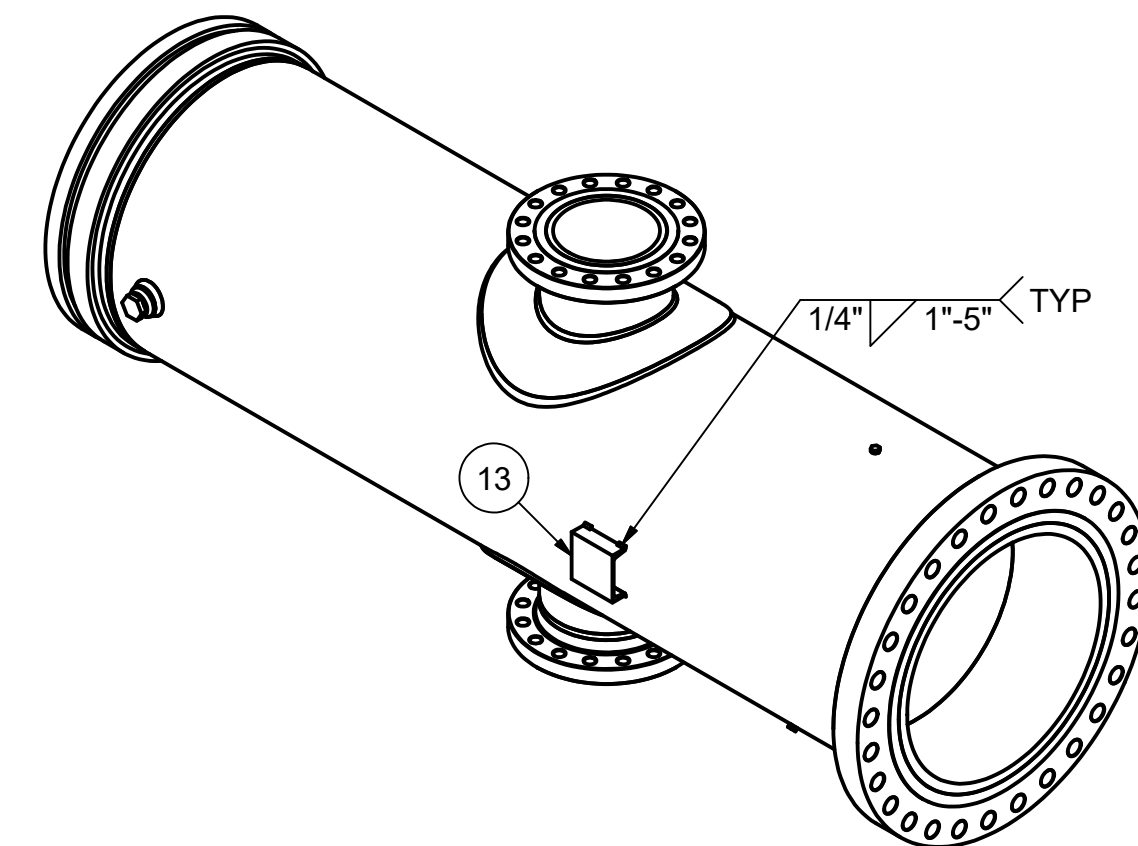
DETAIL E



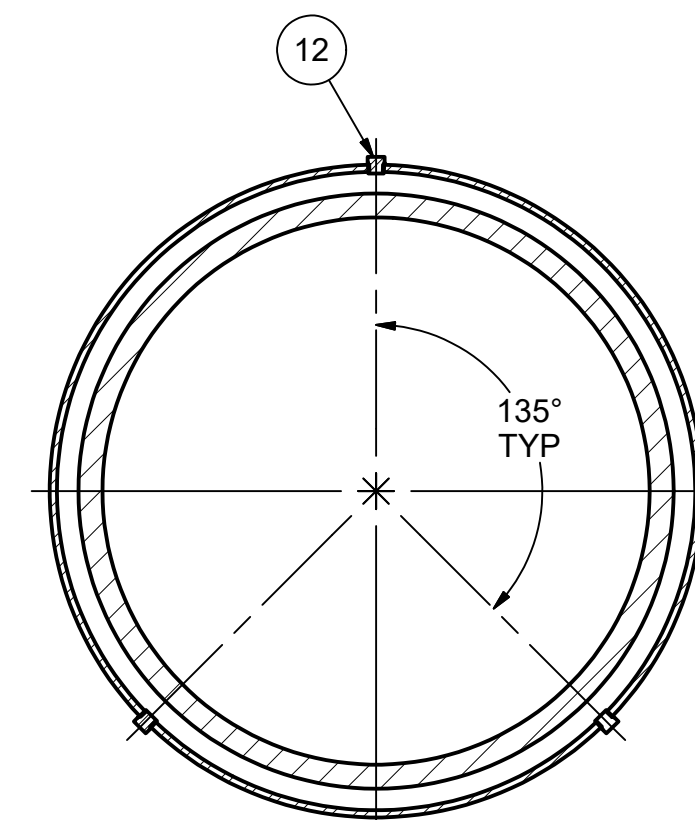
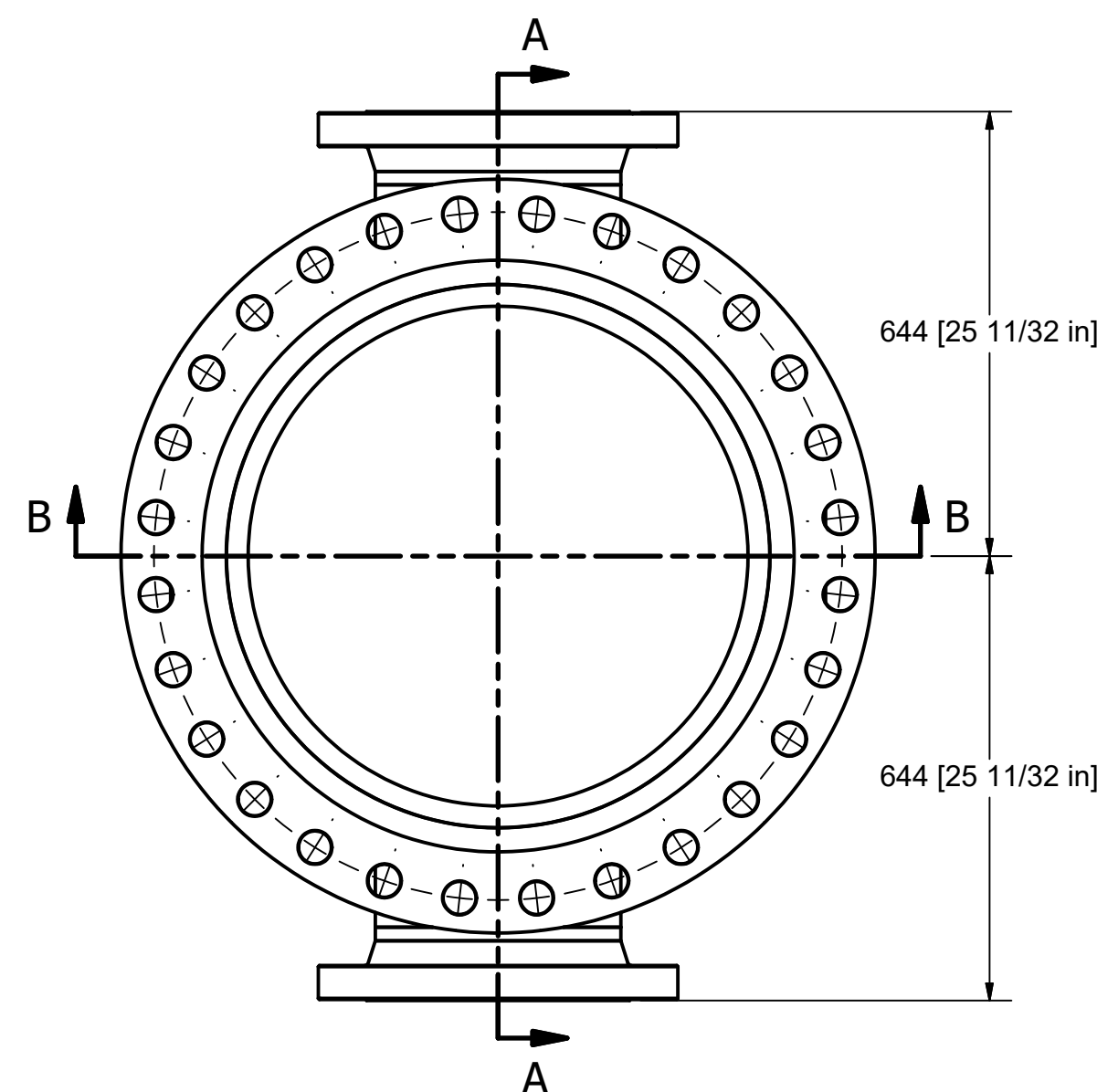
DETAIL F



SECTION B-B



SECTION A-A





SECTION C-C

DESIGN CODE:	ASME B31.3, 2018
SERVICE:	HYDROTRANSPORT SLURRY
DESIGN PRESSURE:	3447 kPag (500 psig)
DESIGN TEMPERATURE:	94°C (201°F)
TEST PRESSURE:	5171 kPag (750 psig)
TEST TEMPERATURE:	15°C (59°F)
TEST DURATION:	10 MINUTES



REFER TO DRAWING A1-00001-100-01 FOR
ALL GENERAL NOTES AND SPECIFICATIONS

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION AND ITS DISCLOSURE NEITHER BE DISCLOSED TO OTHERS FOR ANY PURPOSES WITHOUT THE WRITTEN PERMISSION OF THE ALCO INC. OR ITS DESIGNEE.	EST. WT. 8,070 lbs.		DO NOT SCALE		 ALCO Industrial 2103 - 8 Street, Nisku, Alberta, Canada T9E 7Y9 Phone: (780) 451-6222 • Fax: (780) 452-4355	
	UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. BREAK ALL SHARP EDGES @ .030 OR .45" RADII 55 T.I.R. .010. INTERPRET DWG PER ANSI Y14.5 STANDARD.		DRAWN BY: GVD	DATE 1/06/20	 ALCO Industrial 2103 - 8 Street, Nisku, Alberta, Canada T9E 7Y9 Phone: (780) 451-6222 • Fax: (780) 452-4355	
	TOLERANCES X .± .116 X .X .± .030 X .XXX .± .015 X .XXX .± .005 X .XXX .± .112 ANGLES		CHECKED BY:	DATE		
	APPROVED:		DATE	TITLE SPOOL 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 REV. A FILE NAME A1-19027-400-00 SP-237-2-P-126-1-C.idw	
	MATERIAL & HEAT TREAT					
125° FINISH ON ALL MACHINED SURFACES				SHEET 1 of 1		

REVISION HISTORY			
REV	DATE	DESCRIPTION	INITIALS
A	1/06/20	ISSUED FOR REVIEW	GVD

BILL OF MATERIAL			
ITEM	ITEM QTY	PART NUMBER	DESCRIPTION
1	1	A1-19027-400-01 34in pipe	34" STD x 108 29/32" PIPE, API 5L X56
2	2	A1-19027-400-02 14in pipe	14" XS x 22 1/2" PIPE, API 5L X56
3	2	A1-19027-400-03 Repad	14" ID x 6" WIDE x 90" REPAD CUT FROM 34" STD PIPE (26" x 100"), API 5L X56
4	1	A1-19027-400-04 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 FF flange	30" CLASS 300 ASME B16.47 Ser.A FF50 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 90" HCWI LINER w/ DRAINS, ASTM A532 CLASS III TYPE A, PF#(TBD)
8	1	A1-19027-400-08 HCWI liner - pup	28 1/2" ID x 1 1/4" WALL x 13 15/32" HCWI LINER PUP, ASTM A532 CLASS III TYPE A, PF#(TBD)
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#(TBD)
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 HEAD PLUG, A105N
12	3	ASME B16.11 Hex Head Plug 1/2	1/2"-NPT HEX HEAD PLUG, A105N
13	2	Tag mount - 6in	C6x8.2 x 6" [152mm], 44W
14	-	GROUT	SIKA 300PT