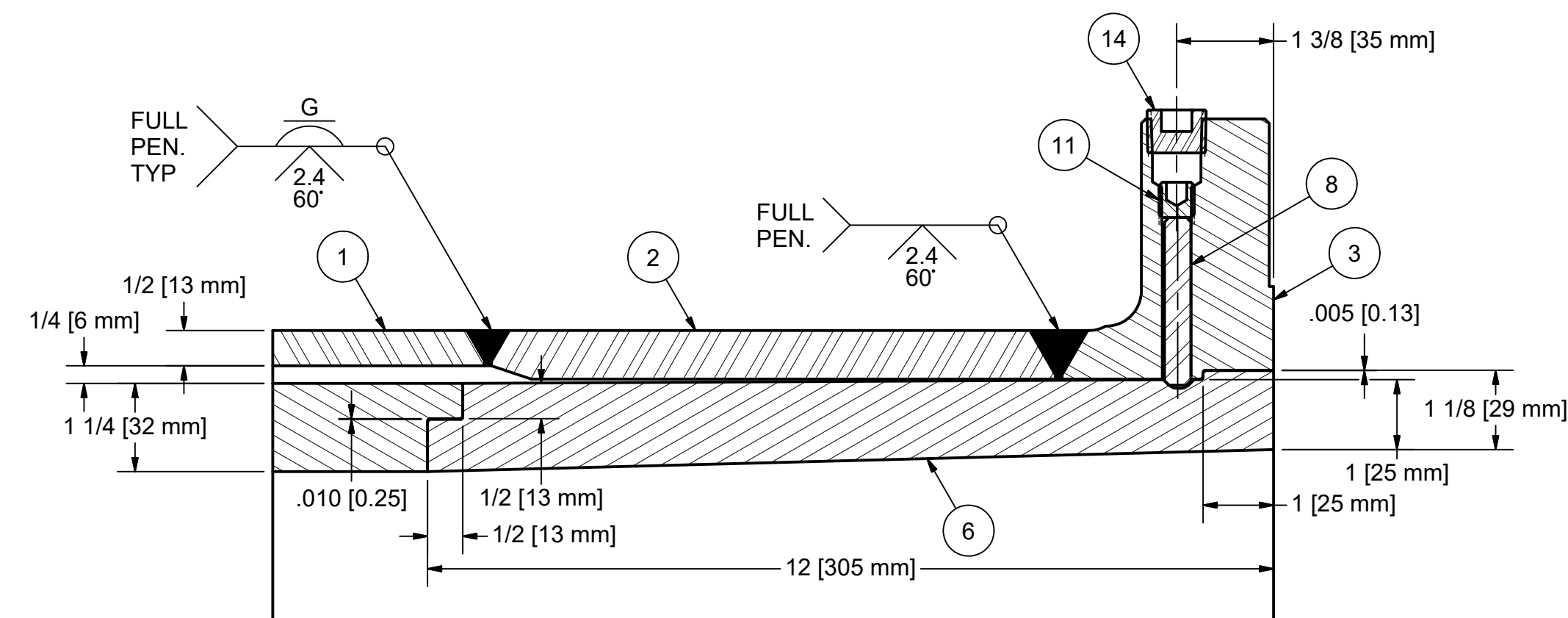
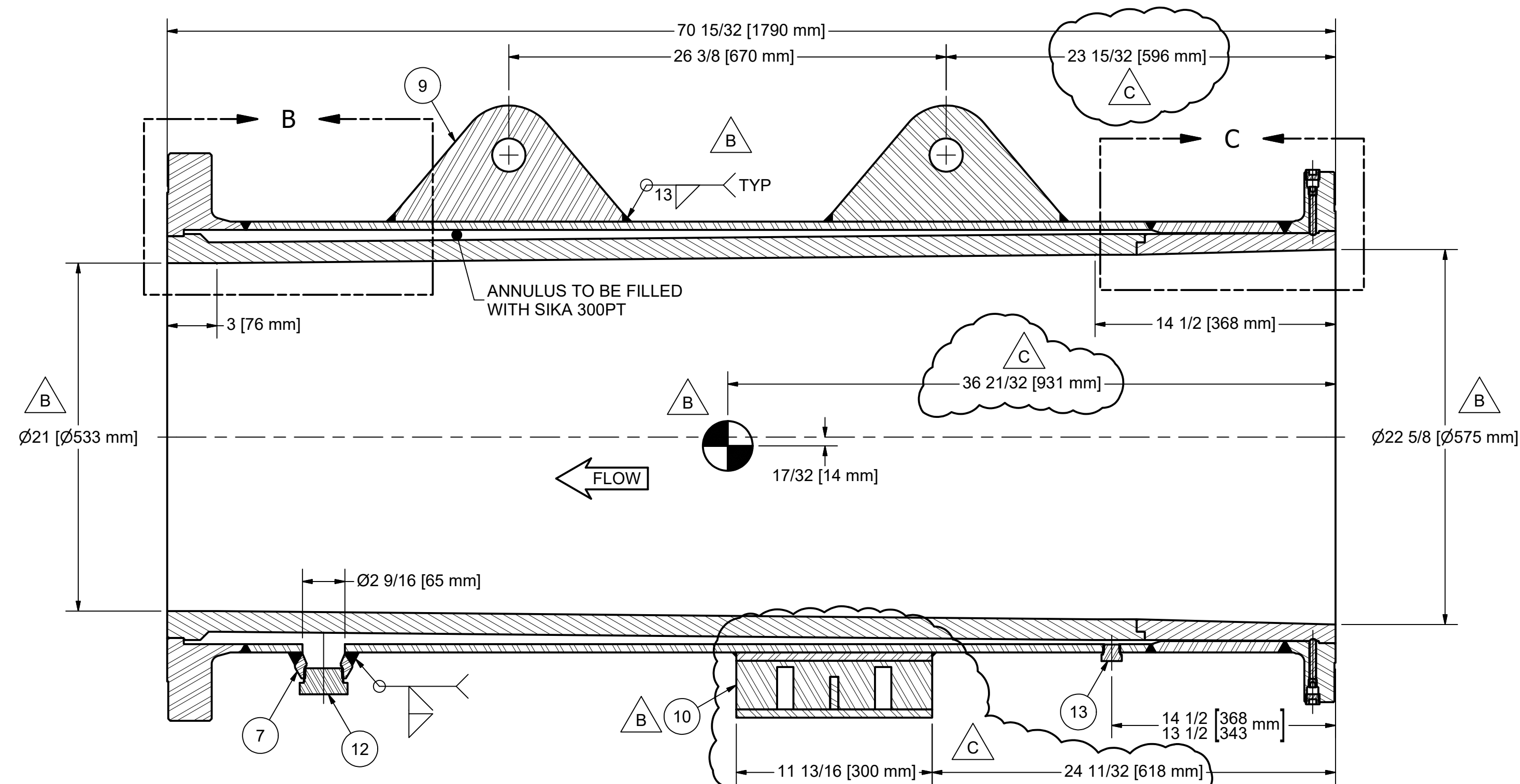
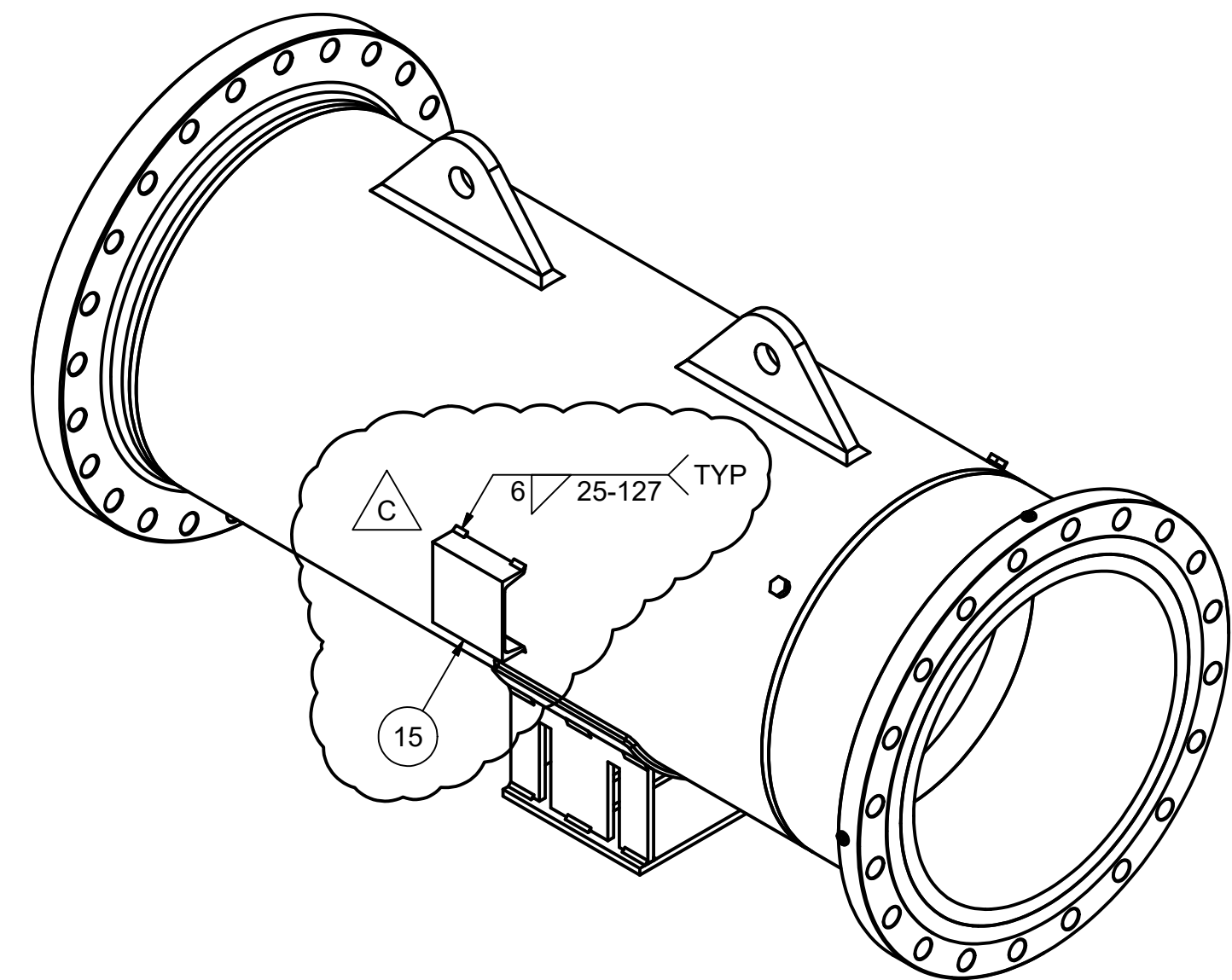


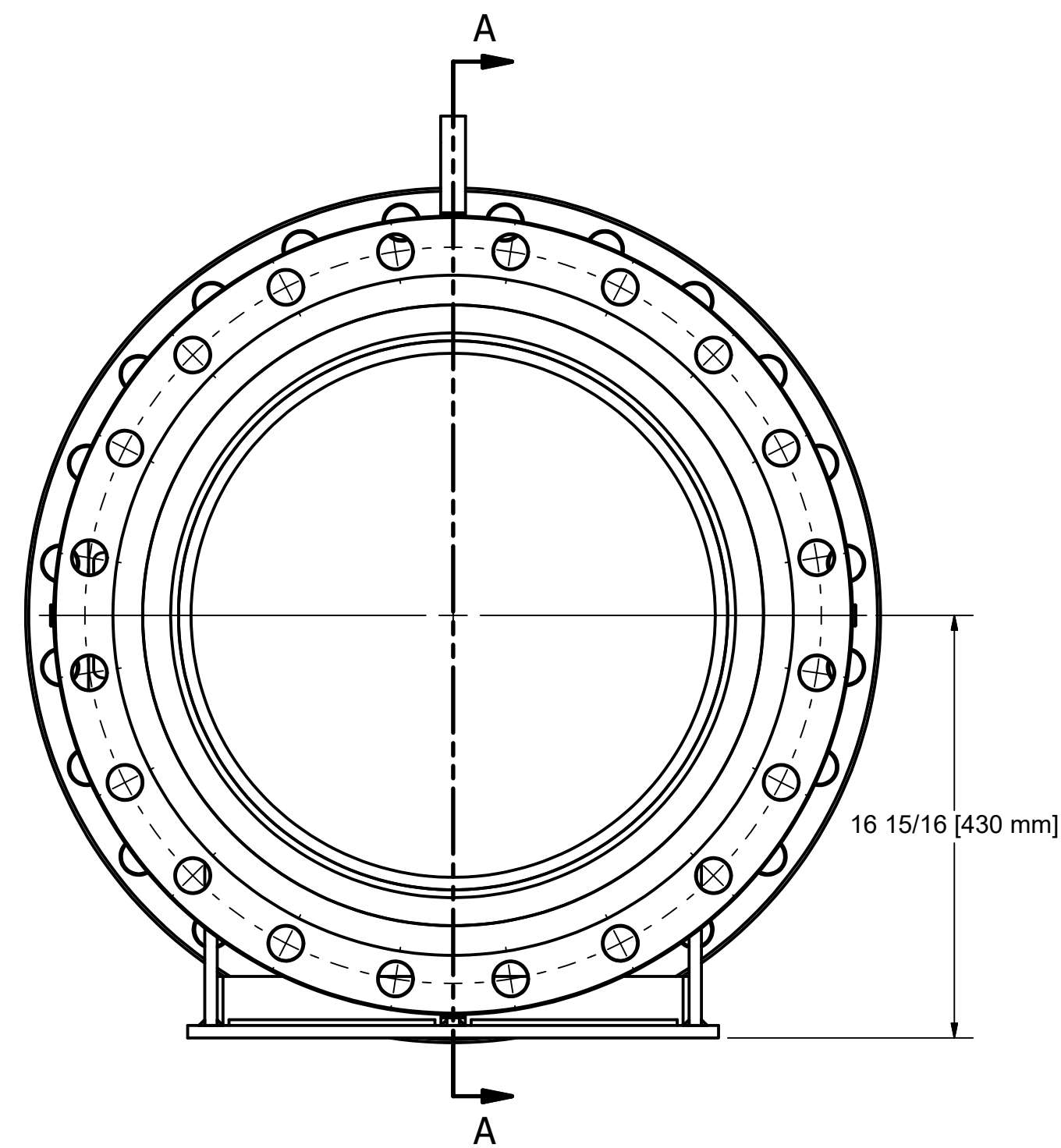
DETAIL B



DETAIL C



SECTION A-A



P.O.#	1397868
P.O. TITLE	MISC - K2 CWI PIPING
IOR #	141-3015-49
DOCUMENT #	1397868-A05-0009
SDRL CODE(S)	A05

EQUIPMENT TAG NUMBER(S)
TAG #: SP-K3492

SUPPLIER DOCUMENT REVIEW
PURCHASER'S REVIEW STATUS, CIRCLE THE APPROPRIATE STATUS:
CODE 1 - NO COMMENTS
CODE 2 - REVIEWED WITH MINOR COMMENTS
CODE 3 - REVIEWED WITH COMMENTS
CODE 4 - REJECTED
CODE 5 - SUPERSEDED
CODE 6 - VOID
CODE 7 - FOR INFORMATION
PURCHASER REVIEW / REVIEWER
DATE: SIGNATURE:



DESIGN CODE:	ASME B31.3, Add.2016 EDITION
SERVICE:	BITUMEN FROTH
DESIGN PRESSURE:	1580 kPag (229 psig)
DESIGN TEMPERATURE:	93°C (199°F) - 29°C (-20°F)
TEST PRESSURE:	3000 kPag (435 psig)
TEST TEMPERATURE:	15°C (59°F)
TEST DURATION:	10 MINUTES

BILL OF MATERIAL			
ITEM	ITEM QTY	PART NUMBER	DESCRIPTION
G	1	A1-18001-100-01 26in pipe	26" XS x 1384mm PIPE, API 5L Gr.B PSL-2
	2	A1-18001-100-02 26in pipe	26" x 17.5mm WALL x 203mm PIPE, API 5L Gr.B PSL-2
	3	A1-18001-100-03 24in CL150 RF flange - custom	24" CLASS 150 ASMR B16.5 RF50 FLANGE, A105N, Ø24 5/8" BORE
	4	A1-18001-100-04 26in CL150 RF flange - custom	26" CL150 ASME B16.47 Ser.A RFWN FLANGE, A105N, Ø24 1/4" BORE
	5	A1-18001-100-05 HCWI reducer	575mm ID x 24mm WALL x 533mm ID x 32mm WALL x 1498mm HCWI REDUCER, ASTM A532 CLASS III TYPE A, PF#
	6	A1-18001-100-06 24in HCWI liner - pup	575mm ID x 32mm WALL x 305mm HCWI LINER, ASTM A532 CLASS III TYPE A, PF#
	7	A1-18001-100-07 2in x 26in CL3000 threadolet	2" x 26" CLASS 3000 THREADOLET, A105N
	8	A1-18001-100-08 Trap rod	Ø3/8" x 60mm ROUND BAR, A36
	9	A1-18001-100-09 Lifting lug	350mm x 178mm x 1" PLATE, CSA G40.21 Gr.350 WT Cat.4, SEE: A1-17093-200-14
	10	A1-18001-410-00 Pipe shoe - S4-A-1-26	AS PER 074-0000-220-000-026 01
	11	ANSI B18.3 - 1/2-13 UNC x 0.5	1/2"-NC x 1/2" SOCKET HEAD SET SCREW, PLATED
	12	ASME B16.11 Hex Head Plug 2	2"-NPT HEX HEAD PLUG, A105N
	13	ASME B16.11 Hex Head Plug 3/4	3/4"-NPT HEX HEAD PLUG, A105N
	14	Parker Countersunk Hex-Head Plug 219P 219P-8	1/2"-NPT SOCKET HEAD PLUG, A105N
	15	1 Tag mount - 6in	C6x8.2 x 6" [152mm], 44W
	16	AS REQ'D GROUT	SIKA 300PT
		C	

REVISION HISTORY		
REV	DATE	DESCRIPTION
D	11/20/18	CORRECTED BoM
C	11/15/18	ADDED GROUT TO BoM, CORRECTED PIPE SHOE VERSION REMOVED SECOND STUB PIPE, CORRECTED BoM, UPDATED CofG & LUG POSITIONS, ADDED TAG MOUNT, UPDATED GENERAL NOTES DRAWING NUMBER
B	10/17/18	CONVERTED TO CONCENTRIC LAYOUT, ADDED SECOND STUB PIPE, ADDED LIFTING LUGS, ADDED PIPE SHOE, ADDED CofG, CORRECTED IDs, ADDED MDMT
A	8/02/18	ISSUED FOR REVIEW

REFER TO DRAWING A1-00001-100-04 FOR
ALL GENERAL NOTES AND SPECIFICATIONS

EST. WT. 3,525 lbs.		DO NOT SCALE	
UNLESS OTHERWISE SPECIFIED		DRAWN BY: GVD	
ALL DIMENSIONS ARE IN INCHES. BREAK ALL SHARP EDGES 01-.03R OR 45° RADI		DATE 11/20/18	
05 1/16" MIN. INTERFERE CHNG PER ANSI Y14.5 STANDARD		CHECKED BY: DATE	
TOLERANCES		APPROVED: DATE	
X ± 1/16		MATERIAL & HEAT TREAT	
X.X ± .050			
X.XXX ± .005			
ANGLES ± 1/2°			
125	FINISH ON ALL MACHINED SURFACES		

  ALCO Industrial 11650 - 156 Street, Edmonton, Alberta, Canada T5M 3T5 Phone: (780) 451-6222 ☎ Fax: (780) 452-4355		
TITLE 24" x 26" HCWI REDUCER - SPOOL SP-K3492 IOL KEARL PLANT 2 - EXTRACTION		
PROJECT NO A1-18001	REFERENCE 074-2300-080-141-009 01	REV D
FILE NAME A1-18001-100-00 SPOOL SP-K3492.idw		SHEET 1 OF 1

