

1 2 3 4 5 6 7 8 9 10 11 12

A

B

C

D

E

F

H

A

B

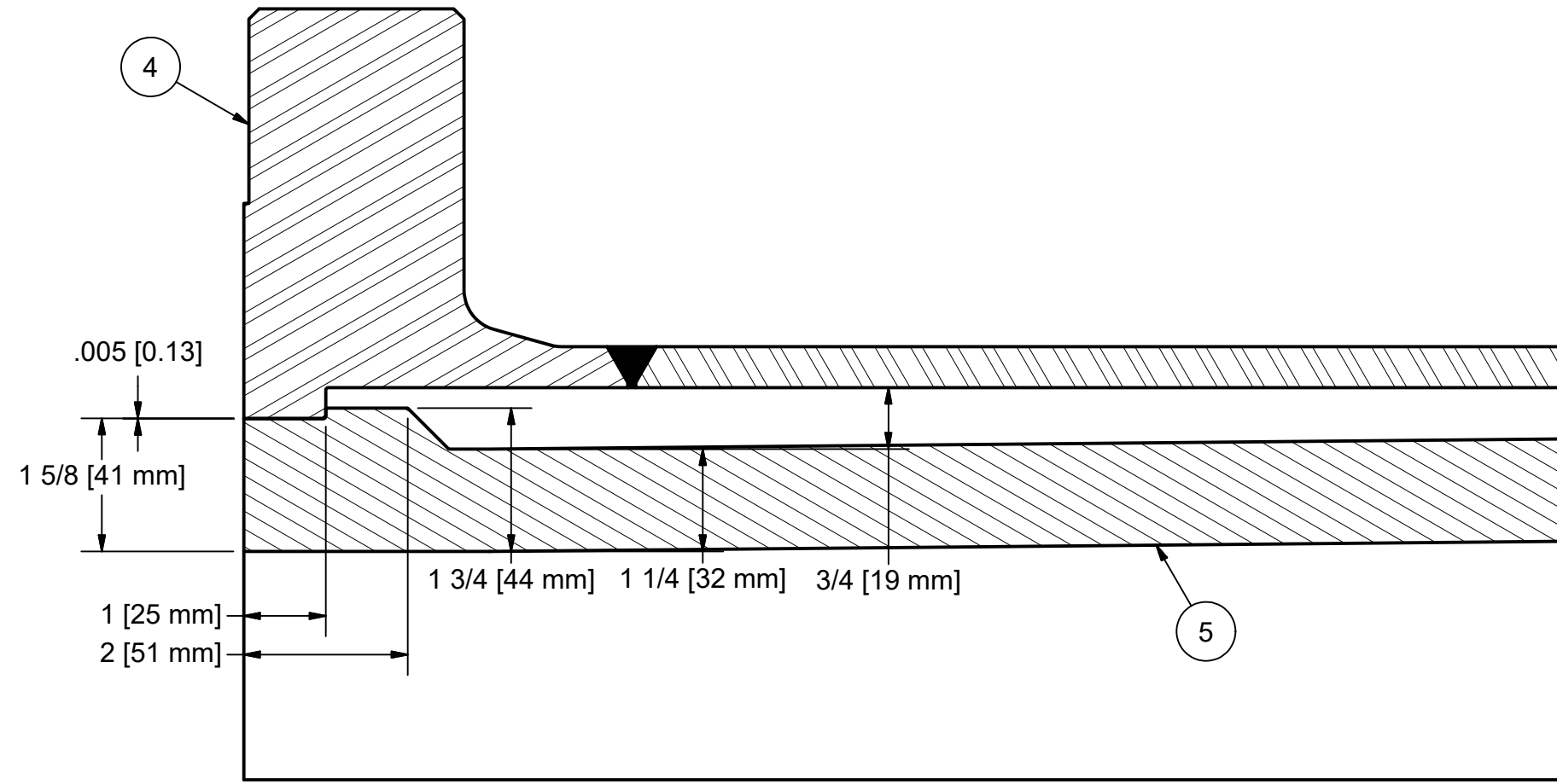
C

D

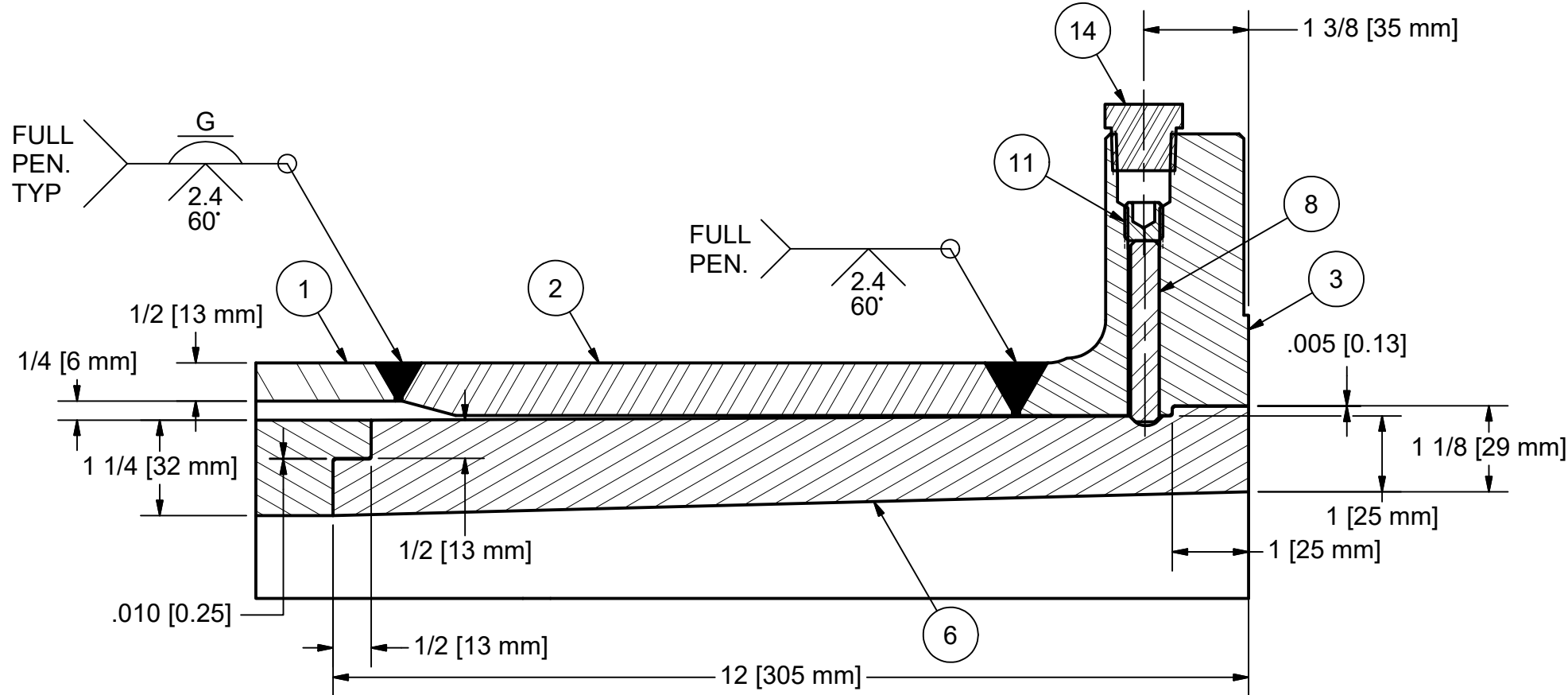
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F

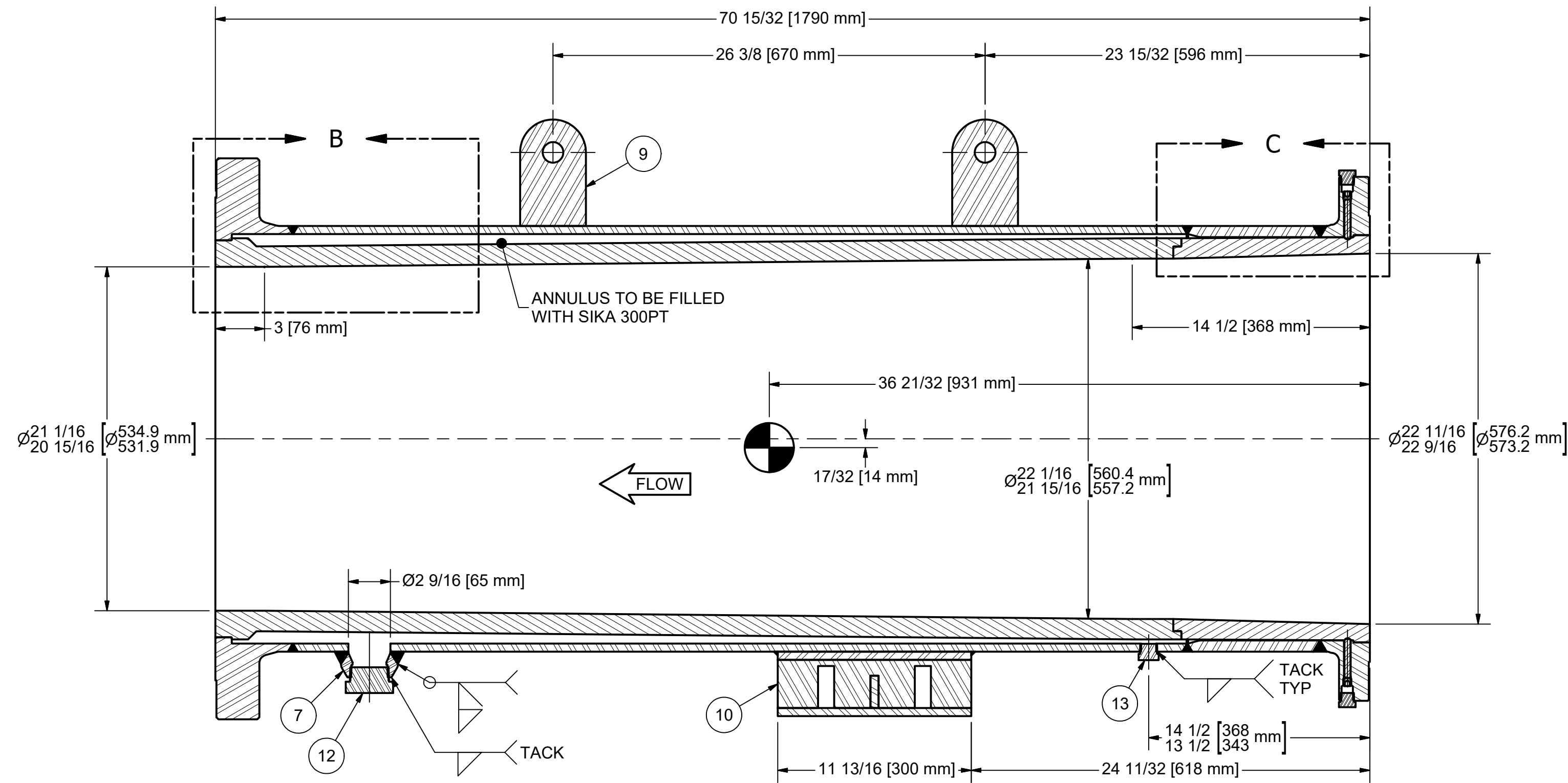
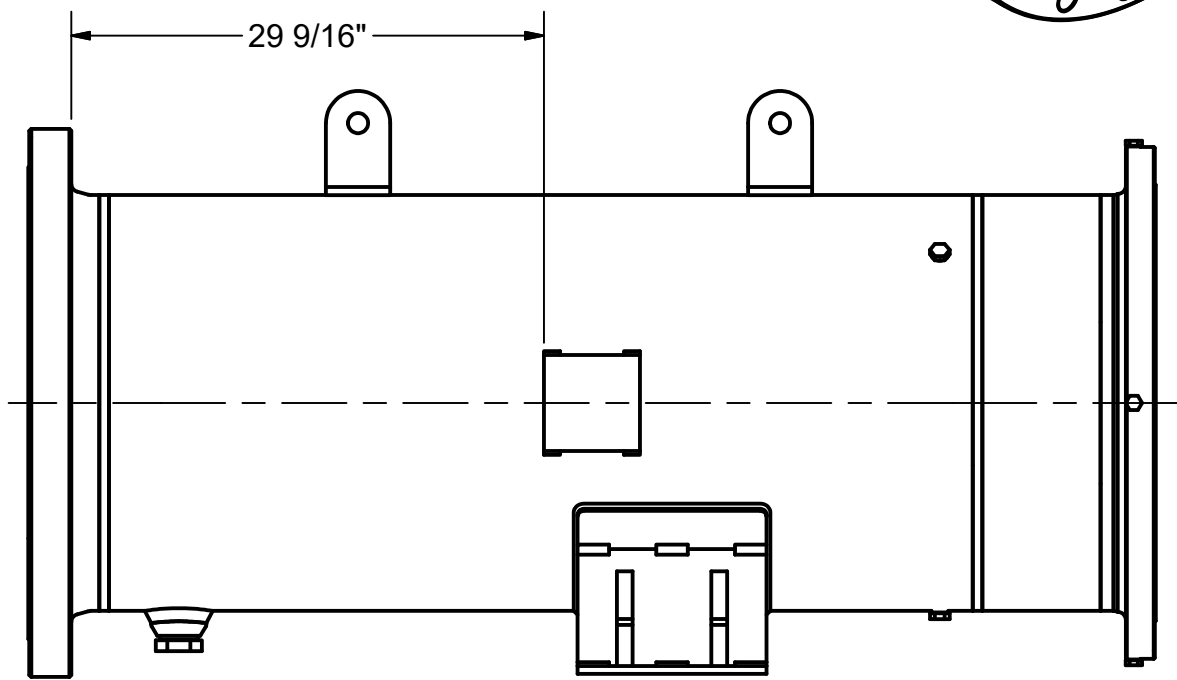
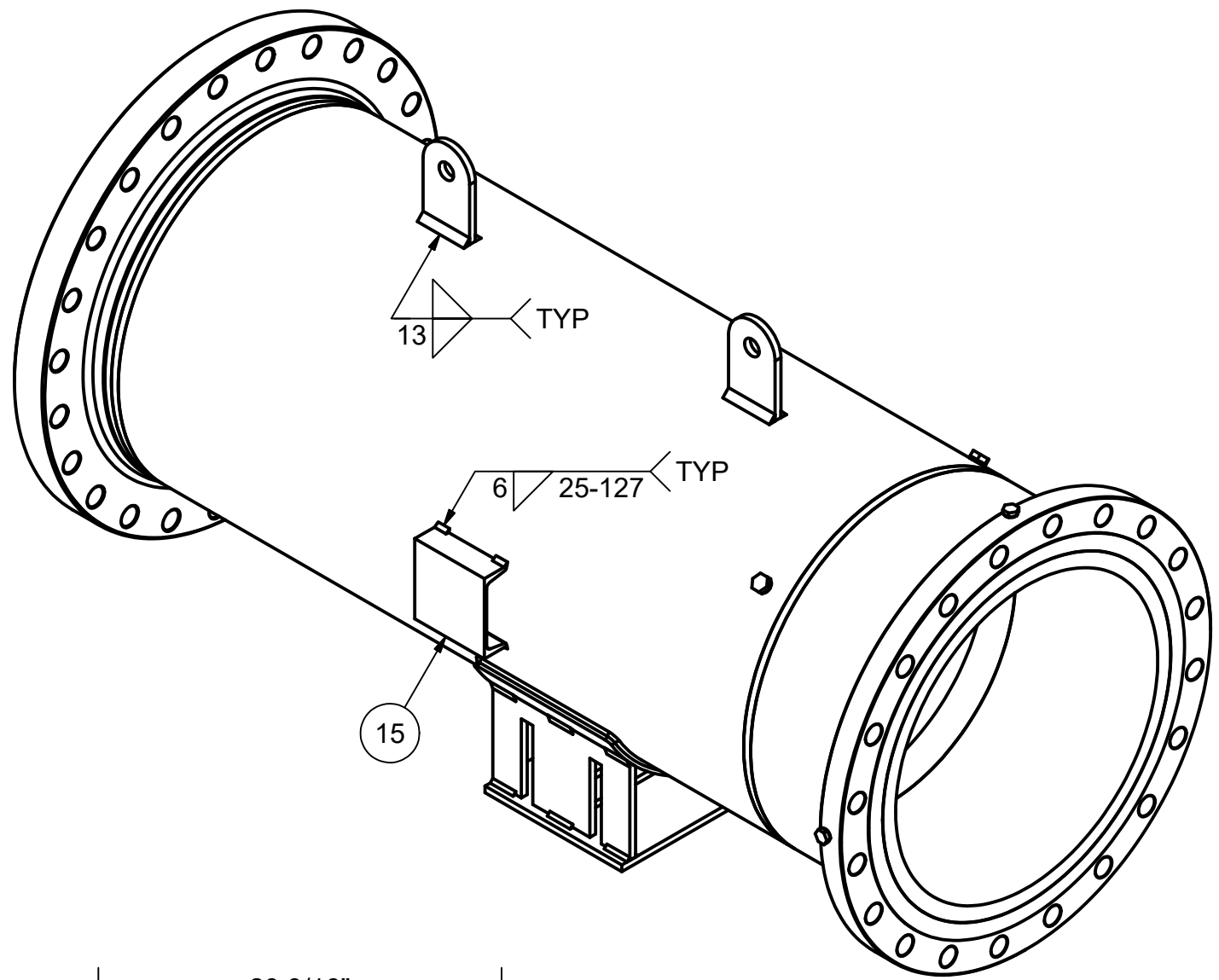
H



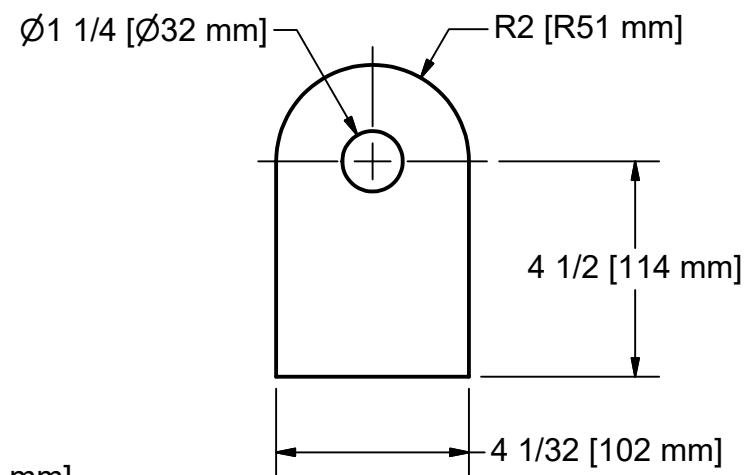
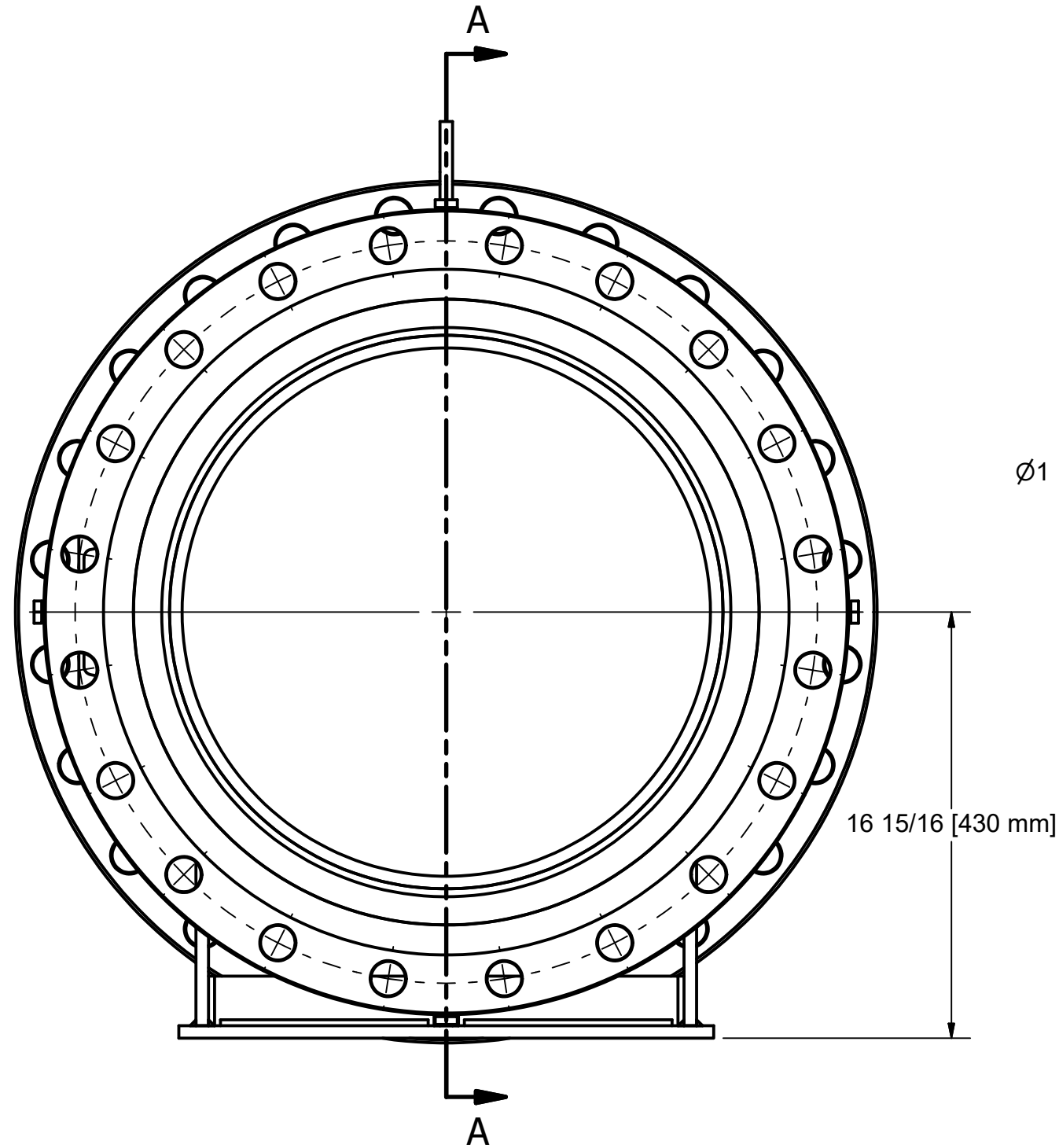
DETAIL B



DETAIL C



SECTION A-A



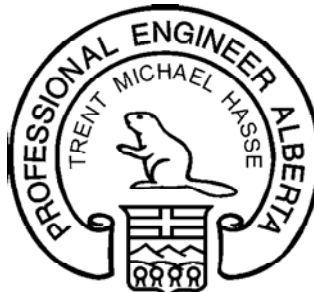
ITEM 9 - LIFTING LUG

| | |
|--------------|------------------|
| P.O.# | 1397868 |
| P.O. TITLE | CWI PIPING |
| IOR # | 141-3015-65 |
| DOCUMENT # | 1462298-A05-0002 |
| SDRL CODE(S) | A05 |

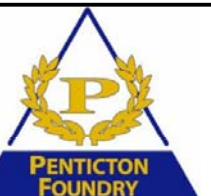
EQUIPMENT TAG NUMBER(S)
TAG #: SP-K3492 IOR # 141-3015-65

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CODE 5 - SUPERSEDED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



ALCO INC.
APEGGA PERMIT TO
PRACTICE No.: P10702



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EST. WT. 3,495 lbs.
UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES. BREAK ALL SHARP EDGES 0.01" (0.01" OR 0.01" RADI) PER ANSI Y14.5 STANDARD.
TOLERANCES:
X = ±.118
X.X = ±.050
X.XX = ±.015
X.XXX = ±.005
ANGLES = ±.12°
125° FINISH ON ALL MACHINED SURFACES

DO NOT SCALE
DRAWN BY: JDS DATE: 6/26/19
CHECKED BY: TMH DATE: 6/26/19
APPROVED: DATE:
MATERIAL & HEAT TREAT
TITLE: 24" x 26" HCWI REDUCER - SPOOL SP-K3492
IOL KEARL PLANT 1 - EXTRACTION
PROJECT No: A1-18001 REFERENCE: 074-1300-080-141-009 01
FILE NAME: A1-18001-130-00 Spool SP-K3492.idw
REV. 1 SHEET 1 OF 1

| | | BILL OF MATERIAL | |
|------|----------|---|--|
| ITEM | ITEM QTY | PART NUMBER | DESCRIPTION |
| 1 | 1 | A1-18001-130-01 26in pipe | 26" XS x 1224mm PIPE, API 5L Gr.B PSL-2 |
| 2 | 1 | A1-18001-130-02 26in pipe | 26" x 17.5mm WALL x 203mm PIPE, API 5L Gr.B PSL-2 |
| 3 | 1 | A1-18001-130-03 24in CL150 RF flange - custom | 24" CLASS 150 ASME B16.5 RF SO FLANGE, A105N, Ø24 5/8" BORE |
| 4 | 1 | A1-18001-130-04 26in CL150 RF flange - custom | 26" CL150 ASME B16.47 Ser.A RFWN FLANGE, A105N, Ø24 1/4" BORE |
| 5 | 1 | A1-18001-130-05 HCWI reducer | 533mm ID x 32mm WALL x 559mm ID x 32mm WALL x 1498mm HCWI REDUCER, ASTM A532 CLASS III TYPE A, PF#743099 |
| 6 | 1 | A1-18001-130-06 24in HCWI liner - pup | 575mm ID x 24mm WALL x 559 ID x 32mm WALL x 305mm HCWI LINER, ASTM A532 CLASS III TYPE A, PF#743098 |
| 7 | 1 | A1-18001-130-07 2in x 26in CL3000 threadolet | 2" x 26" CLASS 3000 THREADOLET, A105N |
| 8 | 4 | A1-18001-130-08 Trap rod | Ø3/8" x 60mm ROUND BAR, A36 |
| 9 | 2 | A1-18001-130-09 Lifting lug | 165mm x 102mm x 1/2" PLATE, A516 Gr.60 OR EQUIV. |
| 10 | 1 | A1-18001-410-00 Pipe shoe - S4-A-1-26 | AS PER 074-0000-220-000-026 01 |
| 11 | 4 | ANSI B18.3 - 1/2-13 UNC x 0.5 | 1/2"-NC x 1/2" SOCKET HEAD SET SCREW, PLATED |
| 12 | 1 | ASME B16.11 Hex Head Plug 2 | 2"-NPT HEX HEAD PLUG, A105N |
| 13 | 3 | ASME B16.11 Hex Head Plug 3/4 | 3/4"-NPT HEX HEAD PLUG, A105N |
| 14 | 4 | ASME B16.11 Hex Head Plug 1/2 | 1/2"-NPT HEX HEAD PLUG, A105N |
| 15 | 1 | Tag mount - 6in | C6x8.2 x 6" [152mm], 44W |
| 16 | AS REQ'D | GROUT | SIKA 300PT |

| REVISION HISTORY | | |
|------------------|---------|-----------------------------------|
| REV | DATE | DESCRIPTION |
| 1 | 6/26/19 | REFERENCE OF TITLE BLOCK WAS 2300 |
| 0 | 6/26/19 | ISSUED FOR CONSTRUCTION |