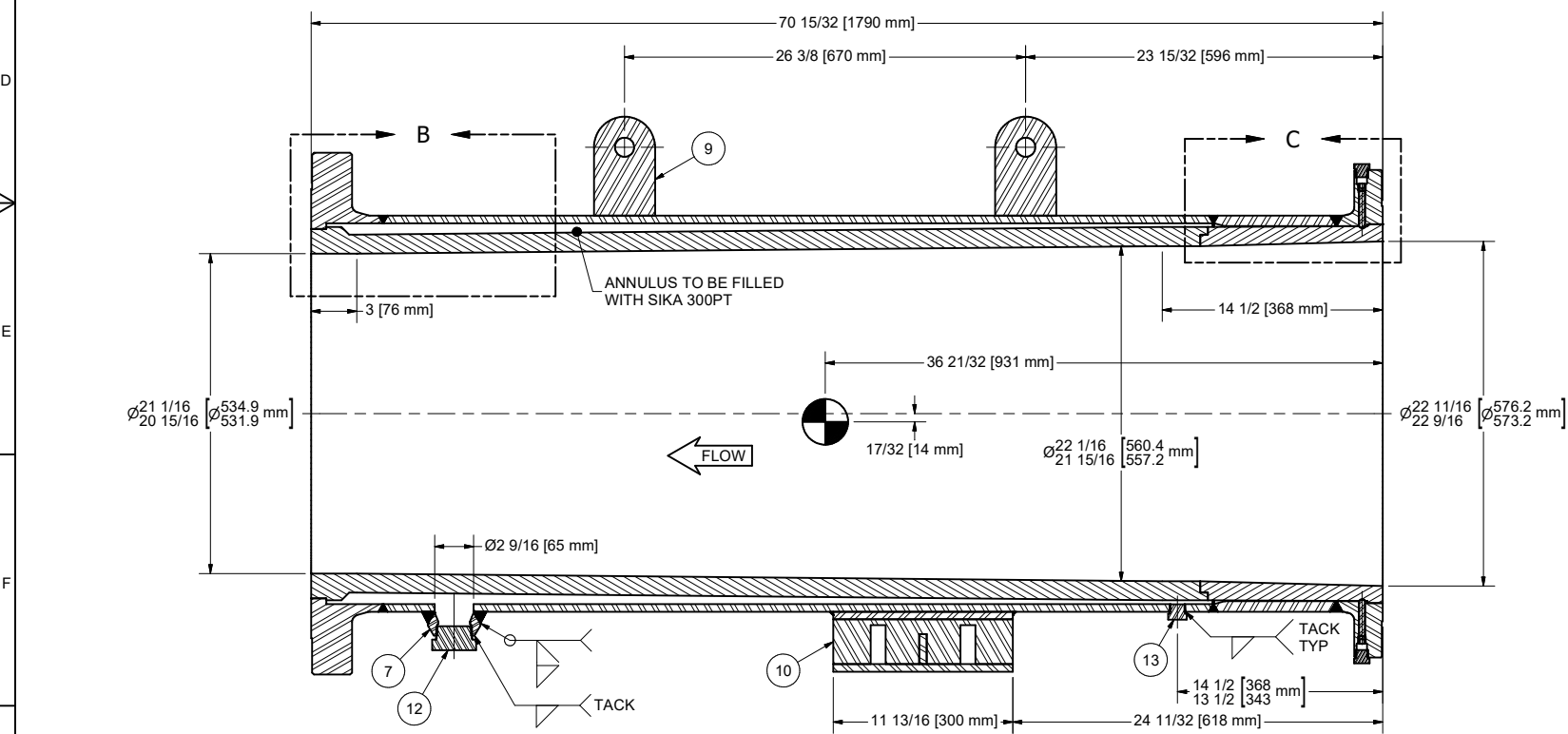
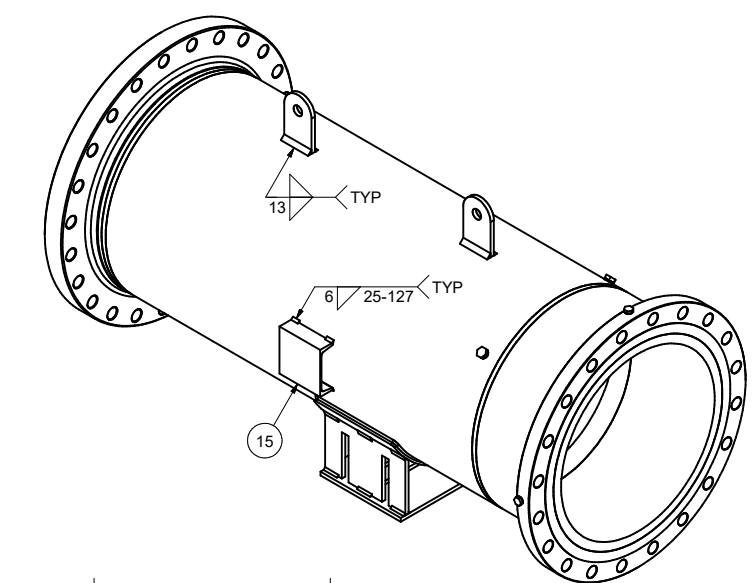
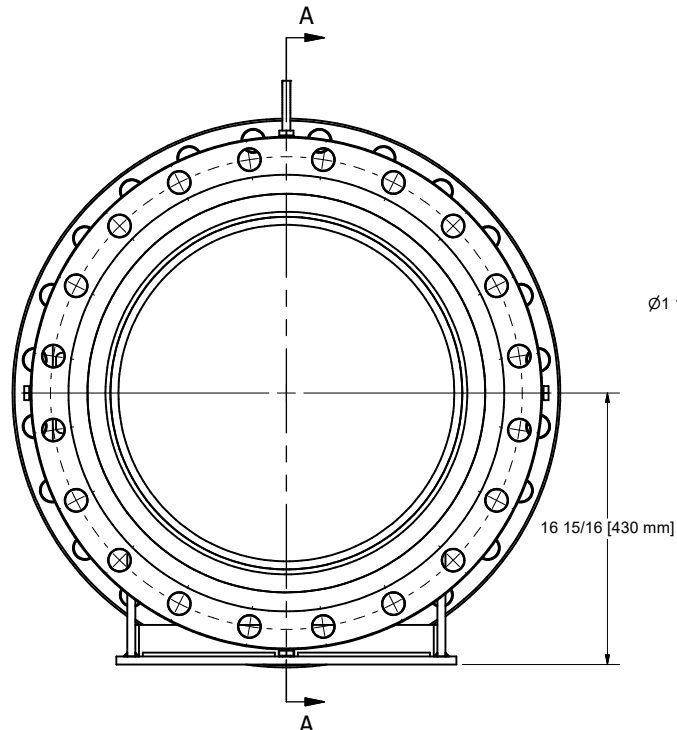


DETAIL B

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CODE 1 - NO COMMENTS CODE 2 - REVIEWED WITH MINOR COMMENTS CODE 3 - REVIEWED WITH COMMENTS CODE 4 - REJECTED CODE 5 - SUPERSEDED CODE 6 - VOID CODE 7 - FOR INFORMATION PURCHASER REVIEW / REVIEWER SIGNATURE: _____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
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
0	6/21/19	ISSUED FOR CONSTRUCTION

EST. WT. 3,495 lbs.

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. BREAK ALL SHARP EDGES 91°-90° OR 45° RADIUS PER ANSI Y14.5 STANDARD.

TOLERANCES:  
X = ± 1/16  
XX = ± .000  
XXX = ± .015  
XXXX = ± .005  
ANGLES = ± 1/2°  
FINISH ON ALL MACHINED SURFACES

DO NOT SCALE

DRAWN BY: JDS DATE: 6/21/19

CHECKED BY: TMH DATE: 6/21/19

APPROVED: DATE:

MATERIAL & HEAT TREAT

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 1 - EXTRACTION

PROJECT No: A1-18001 REFERENCE: 074-2300-080-141-009 01

FILE NAME: A1-18001-130-00 SPOOL SP-K3492.idw

REV: 0 SHEET: 1 OF 1