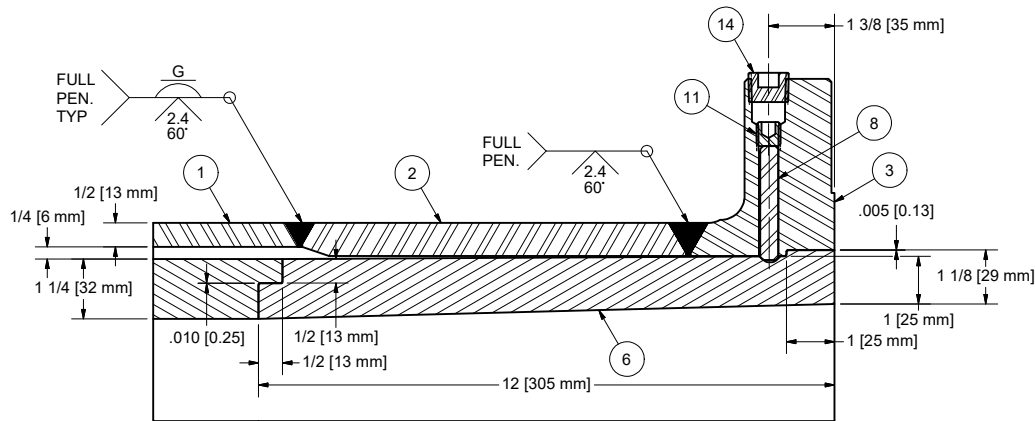
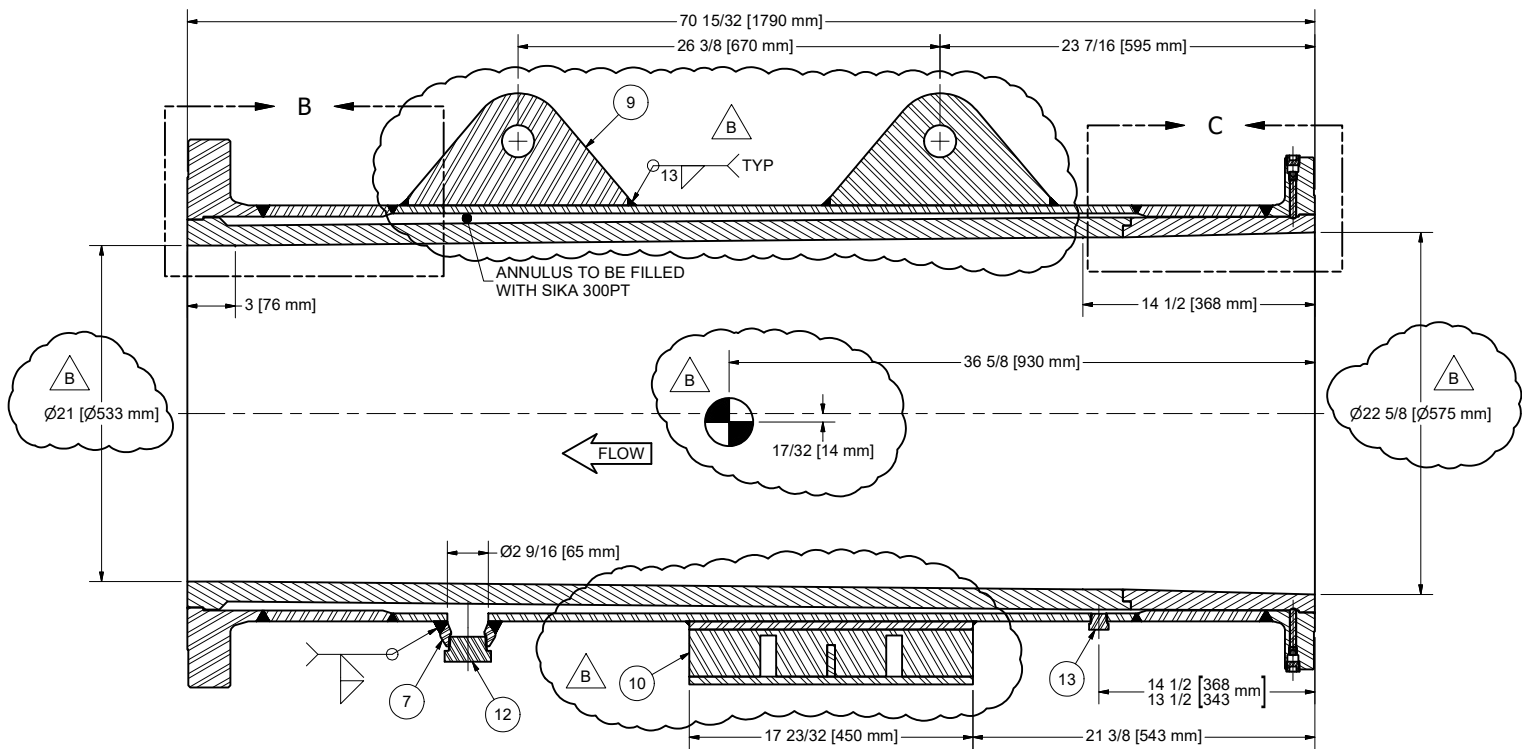
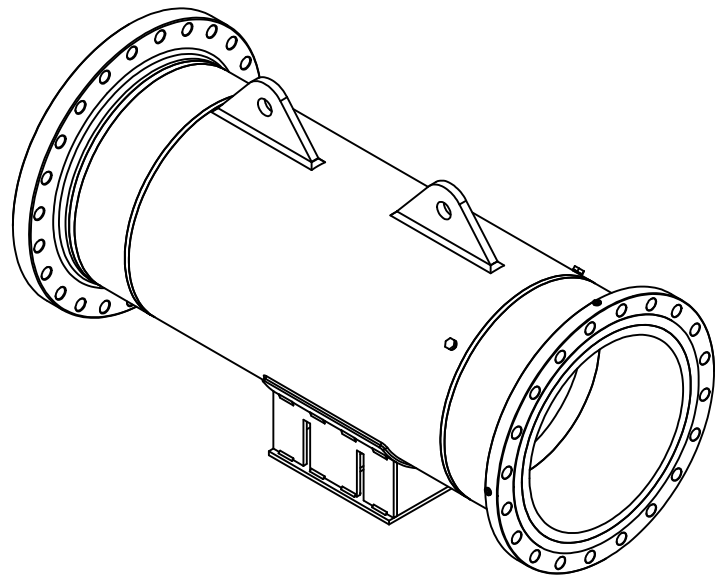


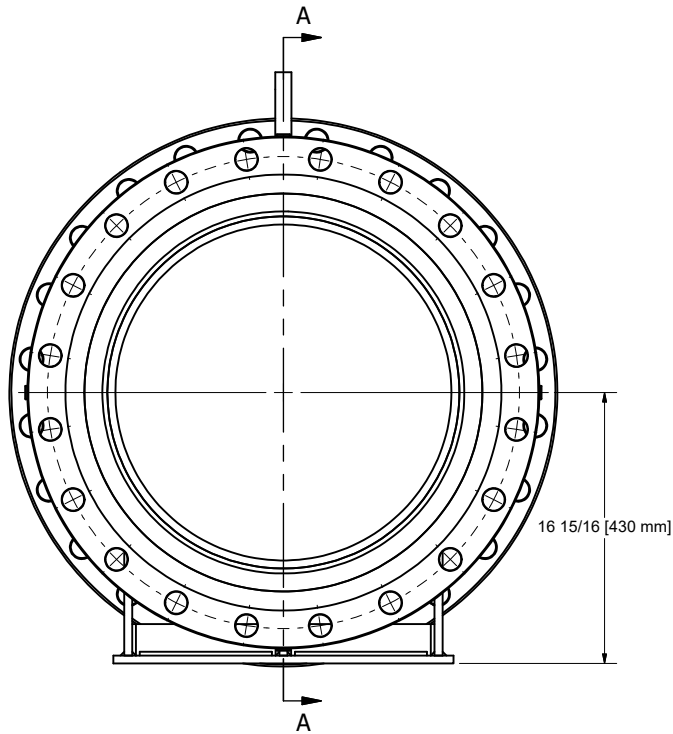
DETAIL B



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CODE 5 - SUPERSEDED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) (-20°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	A1-18001-100-01 26in pipe	26" XS x 1179mm PIPE, API 5L Gr.B PSL-2
2	2	A1-18001-100-02 26in pipe	26" x 17.5mm WALL x 203mm PIPE, API 5L Gr.B PSL-2
3	1	A1-18001-100-03 24in CL150 RF flange - custom	24" CLASS 150 ASMR B16.5 RFSO FLANGE, A105N, Ø24 5/8" BORE
4	1	A1-18001-100-04 26in CL150 RF flange - custom	26" CL150 ASME B16.47 Ser.A RFWN FLANGE, A105N, Ø24 1/4" BORE
5	1	A1-18001-100-05 HCWI reducer	575mm ID x 24mm WALL x 559mm ID x 32mm WALL x 1523mm HCWI REDUCER, ASTM A532 CLASS III TYPE A, PF#
6	1	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	1	A1-18001-100-07 2in x 26in CL3000 threadolet	2" x 26" CLASS 3000 THREADOLET, A105N
8	4	A1-18001-100-08 Trap rod	Ø3/8" x 60mm ROUND BAR, A36
9	2	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	1	A1-18001-400-00 Pipe shoe - S4-A-2-26	SEE: A1-17093-070-00
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	Parker Countersunk Hex-Head Plug 219P 219P-8	1/2"-NPT SOCKET HEAD PLUG, A105N

REVISION HISTORY		
REV	DATE	DESCRIPTION
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 A1-00001-100-01 FOR ALL GENERAL NOTES AND SPECIFICATIONS

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION AND SUCH INFORMATION MAY BE USED FOR ANY PURPOSE OR IN ANY MANNER WITHOUT THE WRITTEN PERMISSION FROM ALCO INC. OR ITS SUBSIDIARIES.	EST. WT. 3,825 lbs. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES. BREAK ALL SHARP EDGES 0.01" OR 0.45° RADIUS. 95 T.I.R. 010. INTERPRET DWG PER ANSI Y14.5 STANDARD.	DO NOT SCALE	ALCO Industrial 11650 - 156 Street, Edmonton, Alberta, Canada T6M 3T5 Phone: (780) 451-3222 • Fax: (780) 452-4355
	TOLERANCES X = ±.116 X.X = ±.050 X.XX = ±.015 X.XXX = ±.005 ANGLES = ±.12° 125/ FINISH ON ALL MACHINED SURFACES	DRAWN BY: GVD DATE: 10/17/18	
		CHECKED BY: DATE	
		APPROVED: DATE	
		MATERIAL & HEAT TREAT	
		PROJECT No: A1-18001	REFERENCE: 074-2300-080-141-009 01
		FILE NAME: A1-18001-100-00 Spool SP-K3492.idw	REV. B
		SHEET 1 OF 1	