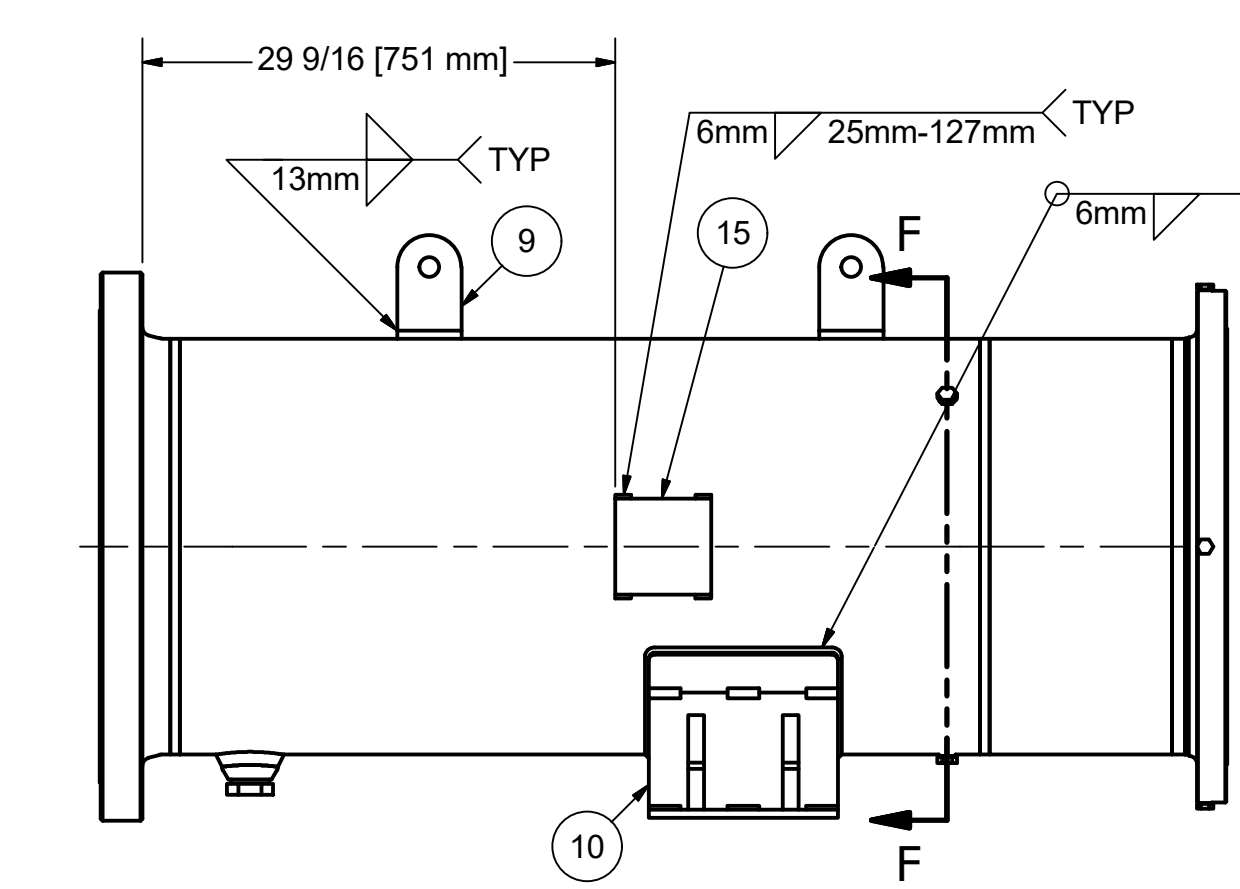


ITEM 9 - LIFTING LUG

BILL OF MATERIAL			
ITEM	ITEM QTY	PART NUMBER	DESCRIPTION
2	1	A1-18001-160-02 26in pipe	26" x 3/4" WALL x 305 mm PIPE, API 5L Gr.B PSL-2
2	1	A1-18001-160-01 26in pipe	26" XS x 1283 mm PIPE, API 5L Gr.B PSL-2
3	1	A1-18001-100-04 26in CL150 RF flange - custom	26" CL150 ASME B16.47 Ser.A RFWN FLANGE, A105N, Ø24 1/4" BORE
1	1	A1-18001-100-03 24in CL150 RF flange - custom	24" CL150 ASME B16.5 RFSO FLANGE, A105N, Ø24 5/8" BORE
5	1	A1-18001-160-05 HCWI reducer	533 mm ID x 32 mm WALL x 559 mm ID x 32 mm WALL x 1498 mm HCWI REDUCER, ASTM A532 CLASS III TYPE A, PF#743099
6	1	A1-18001-100-06 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	A1-18001-100-07 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, 44W
9	2	A1-18001-100-09 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	INITIALS
D	11/29/19	ADD DIMENSION FOR HOLE LOCATION	KLS
C	11/27/19	ADD SECTION F-F	KLS
B	10/16/19	ADDED CASTING LENGTH DIMENSIONS, FLANGE WELD NOTE, UPDATED PART NUMBERING, TRAP ROD WAS A36	JDS
A	9/06/19	ISSUED FOR REVIEW	JDS

P.O.#	1462299
P.O. TITLE	K1 & K2 CWI PIPING SPARES
IOR #	141-3015-65
DOCUMENT #	1462299-A05-0001
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CODE 1 - NO COMMENTS CODE 2 - REVIEWED WITH MINOR COMMENTS CODE 3 - REVIEWED WITH COMMENTS CODE 4 - REJECTED CODE 5 - SUPERSEDED CODE 6 - VOID CODE 7 - FOR INFORMATION PURCHASER REVIEW / REVIEWER SIGNATURE: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

EST. WT. 3,495 lbs.	DO NOT SCALE	ALCO Industrial
UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES. BREAK ALL SHARP EDGES 0.1" OR 0.4" (RADI) 0.01" (R. 0.10). INTERPRET DWG PER ANSI Y14.5 STANDARD.	DRAWN BY: JDS DATE: 9/13/19	2101 - 8 Street, Nisku, Alberta, Canada T9E 7Y9 Phone: (780) 451-6222 • Fax: (780) 452-4355
TOLERANCES: X .XX = ± .118 X.XX = ± .050 X.XXX = ± .015 X.XXX = ± .005 ANGLES = ± .12	CHECKED BY: DATE: APPROVED: DATE:	TITLE: 24" x 26" HCWI REDUCER - SPOOL SP-K3492 IOL KEARL PLANT 1 & 2 PIPING SPARES
125/ FINISH ON ALL MACHINED SURFACES	MATERIAL & HEAT TREAT	PROJECT No: A1-18001 REFERENCE: 074-2300-080-141-009 01 REV: D
		FILE NAME: A1-18001-160-00 Spool SP-K3492.idw SHEET 1 OF 1