

SUPPLIER DOCUMENT COVER SHEET

MCDERMOTT

233124 PSC Modifications
Imperial Oil Resources Limited



Supplier Name:	PENTICTON FOUNDRY LTD.
Purchase Order Title:	K2 CWI PIPING
Equipment / Tag Number(s):	SP-K3492
Supplier Document No:	1397868-A05-0009

Supplier's Revision Record

Rev.	Date	Issue	By	Checked	Approved
2	Nov. 15, 2018	For Review	Penticton		
1	Oct. 17, 2018	For Review	Penticton		
0	Aug. 02, 2018	For Review	Penticton		

Project Document Number

Project No.	Purchase Order No.	Seq. No.
233124	1397868 - A05 -	0009

DOCUMENT TITLE: SP-K3492

SUPPLIER DOCUMENT REVIEW

Purchaser's review of Supplier's documents does not relieve Supplier of the responsibility for correctness under the Purchase Order. Permission to proceed does not constitute acceptance of design, detail and calculations, test methods or materials developed or selected by the Supplier and does not relieve the Supplier from full compliance with the Purchase Order or any other obligations, nor detract from any of the Purchaser's rights.

Purchaser's review status as per tick the appropriate box:		Purchasers review / reviewer	
<input type="checkbox"/>	CODE 1: No Comments	Date	Signature
<input checked="" type="checkbox"/>	CODE 2: Reviewed with Minor Comments		
<input type="checkbox"/>	CODE 3: Reviewed with Comments	<div>Ms Rebecca van Hoeve - CBI</div> <div>Nov 26, 2018, 4:33 PM MST</div>	
<input type="checkbox"/>	CODE 4: Rejected		
<input type="checkbox"/>	CODE 5: Superseded		
<input type="checkbox"/>	CODE 6: Void		
<input type="checkbox"/>	CODE 7: For Information		

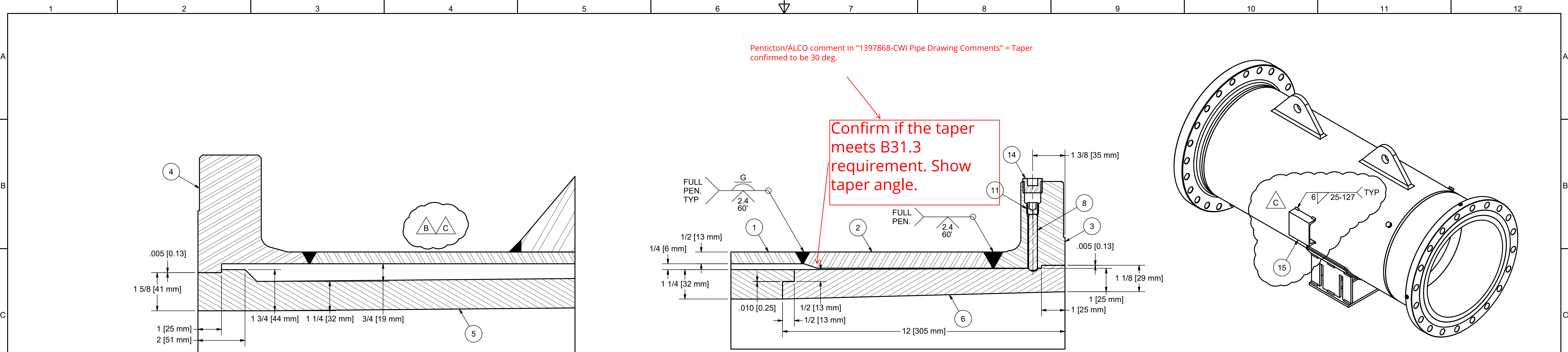
IMPORTANT

Should the Supplier consider that any comments made by the Purchaser change the Scope of Supply, the Supplier shall advise the price and delivery implications of such changes within five working days of receipt. The Supplier must not incorporate such changes without prior approval of the Purchaser of the revised price and/or delivery period. RETROSPECTIVE CLAIMS WILL NOT BE CONSIDERED.

Supplier - Purchaser Interface Data Freeze

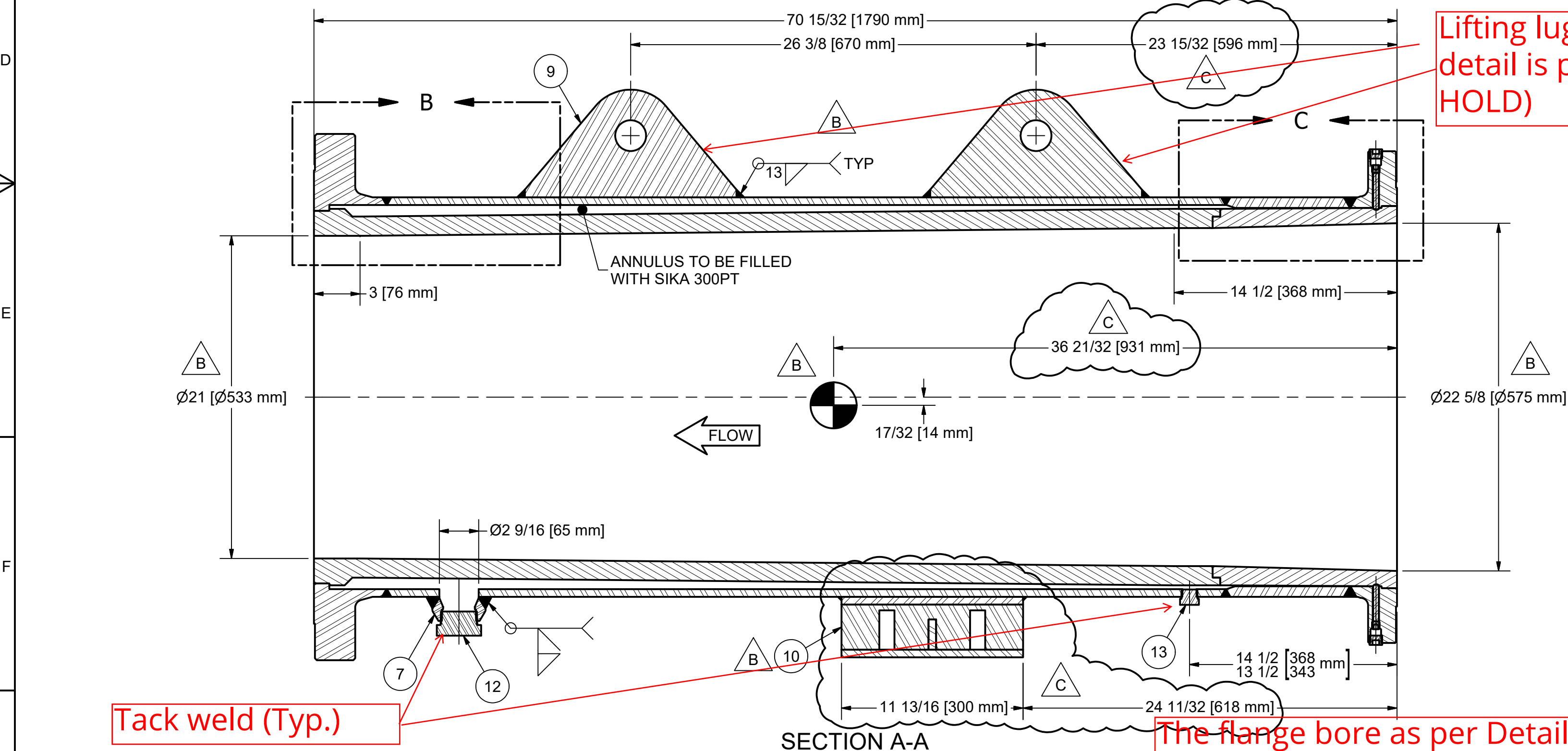
MCDERMOTT Name:	Signature:	Date:
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The document consists of this front sheet plus 1 page.

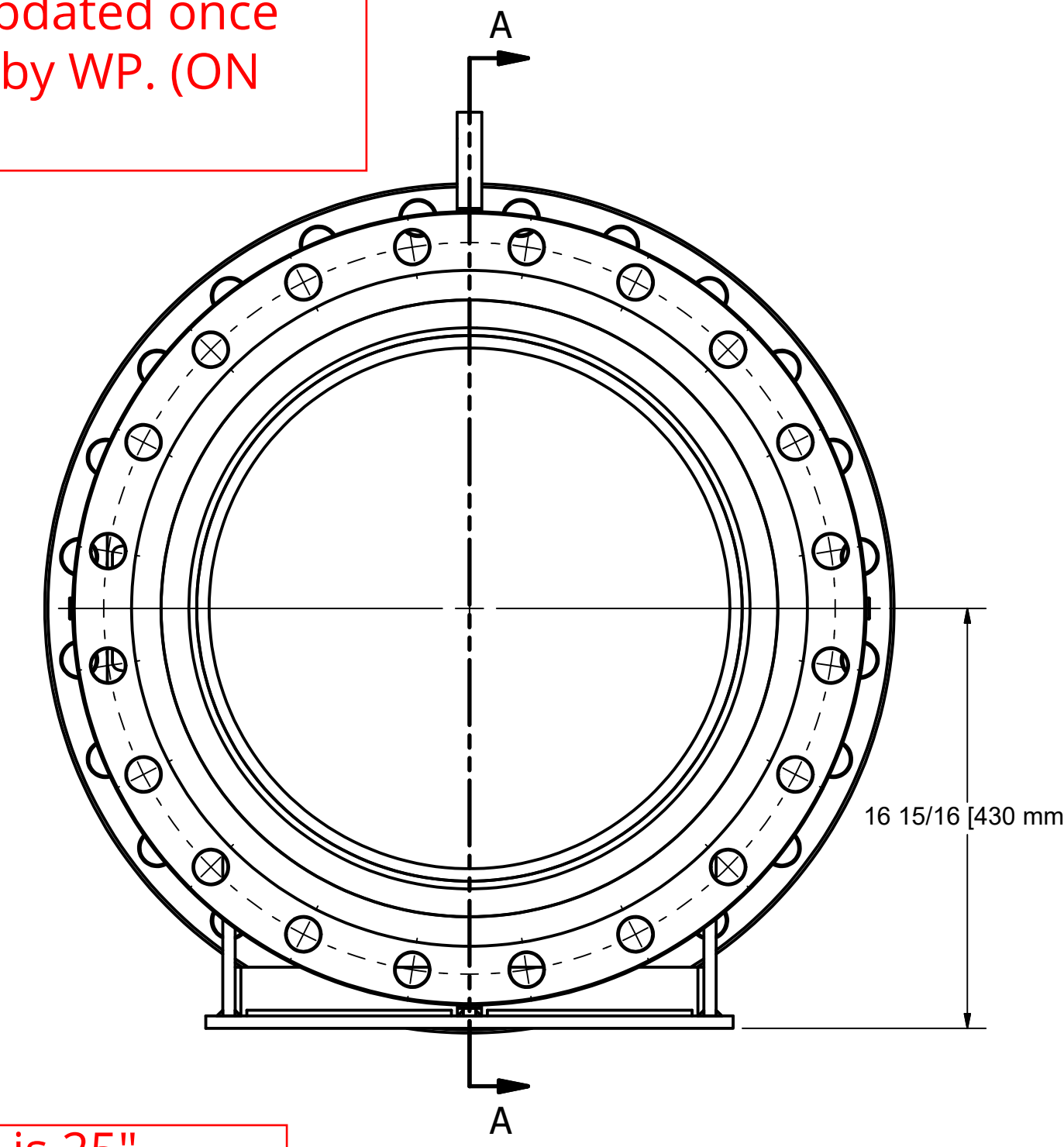


DETAIL B

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

**ALSO ADD IORL
ITEM NUMBER
141-3015-49**

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:
DATE:	

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

ITEM		ITEM QTY	PART NUMBER	BILL OF MATERIAL	DESCRIPTION
1	1	1	A1-18001-100-01 26in pipe	26" XS x 1384mm PIPE, API 5L Gr.B PSL-2	
2	1	1	A1-18001-100-02 26in pipe	26" x 17.5mm WALL x 203mm PIPE, API 5L Gr.B PSL-2	
3	1	1	A1-18001-100-03 24in CL150 RF flange - custom	24" CLASS 150 ASMR B16.5 RF SO FLANGE, A105N, Ø24 5/8" BORE	
4	1	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	1	A1-18001-100-05 HCWI reducer	575mm ID x 24mm WALL x 533mm ID x 32mm WALL x 1523mm HCWI REDUCER, ASTM A532 CLASS III TYPE A, PF#	
6	1	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	1	A1-18001-100-07 2in x 26in CL3000 threadolet	2" x 26" CLASS 3000 THREADOLET, A105N	
8	4	4	A1-18001-100-08 Trap rod	Ø3/8" x 60mm ROUND BAR, A36	
9	2	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	1	A1-18001-410-00 Pipe shoe - S4-A-1-26	AS PER 074-0000-220-000-026 01	
11	4	4	ANSI B18.3 - 1/2-13 UNC x 0.5	1/2"-NC x 1/2" SOCKET HEAD SET SCREW, PLATED	
12	1	1	ASME B16.11 Hex Head Plug 2	2"-NPT HEX HEAD PLUG, A105N	
13	3	3	ASME B16.11 Hex Head Plug 3/4	3/4"-NPT HEX HEAD PLUG, A105N	
14	4	4	Parker Countersunk Hex-Head Plug 219P 219P-8	1/2"-NPT SOCKET HEAD PLUG, A105N	
15	1	1	Tag mount - 6in	C6x8.2 x 6" [152mm], 44W	
16	AS REQ'D		GROUT	SIKA 300PT	

PREVIOUS COMMENT: Confirm the description of Liners (Item 5 & 6 matches the drawing / pipe ID's

REVISION HISTORY		
REV	DATE	DESCRIPTION
C	11/15/18	ADDED GROUT to BoM, CORRECTED PIPE SHOE VERSION, REMOVED SECOND STUB PIPE, CORRECTED BoM, UPDATED CoG & LUG POSITIONS, UPDATED GENERAL NOTES DRAWING NUMBER, ADDED TAG MOUNT, UPDATED GRNERAL NOTES DRAWING NUMBER
B	10/17/18	CONVERTED TO CONCENTRIC LAYOUT, ADDED SECOND STUB PIPE, ADDED LIFTING LUGS, ADDED PIPE SHOE, ADDED CoG, 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.
UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS ARE IN INCHES. BREAK ALL SHARP EDGES 0.01" OR 0.04" (RADI) 0.01" (R, 0.01" INTERPRET DWG 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: GVD
DATE: 11/15/18
CHECKED BY: DATE
APPROVED: DATE
MATERIAL & HEAT TREAT

ALCO Industrial
11650 - 156 Street,
Edmonton, Alberta, Canada T6M 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
FILE NAME: A1-18001-100-00 Spool SP-K3492.idw
REV: C
SHEET 1 OF 1