

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):	
Supplier Document No:	1397868-A05-0009

Supplier's Revision Record

0	Aug. 07, 2018	For review	Penticton		
Rev.	Date	Issue	By	Checked	Approved

Project Document Number

Project No.	Purchase Order No.		Seq. No.
233122	1397868	- A05 -	0009

DOCUMENT TITLE: SP-C3635

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 type="checkbox"/>	CODE 2: Reviewed with Minor Comments		
<input checked="" type="checkbox"/>	CODE 3: Reviewed with Comments	<div> REVIEWED By Rebecca van Hoeve at 10:39 am, Aug 28, 2018 </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	CODE 5: Superseded		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

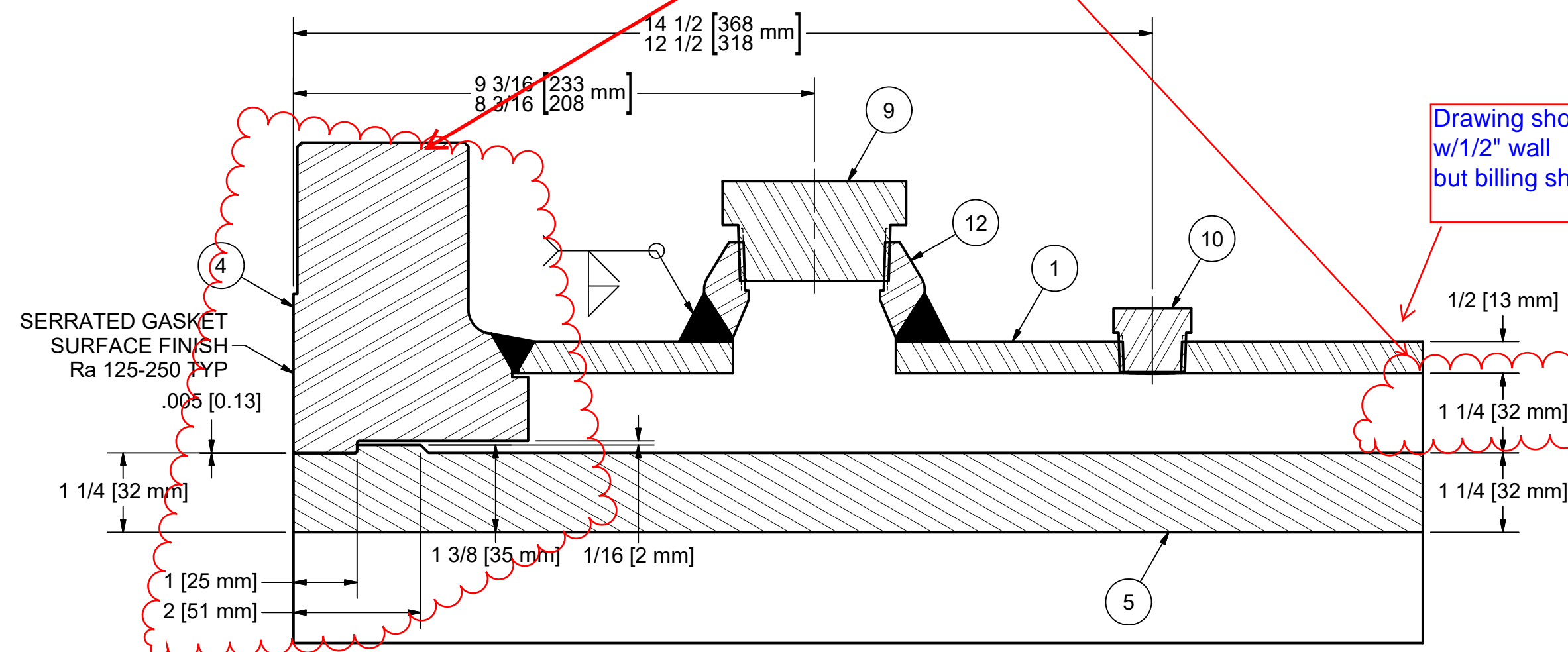
MCDERMOTT Name:	Signature:	Date:
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The document consists of this front sheet plus 1 page.

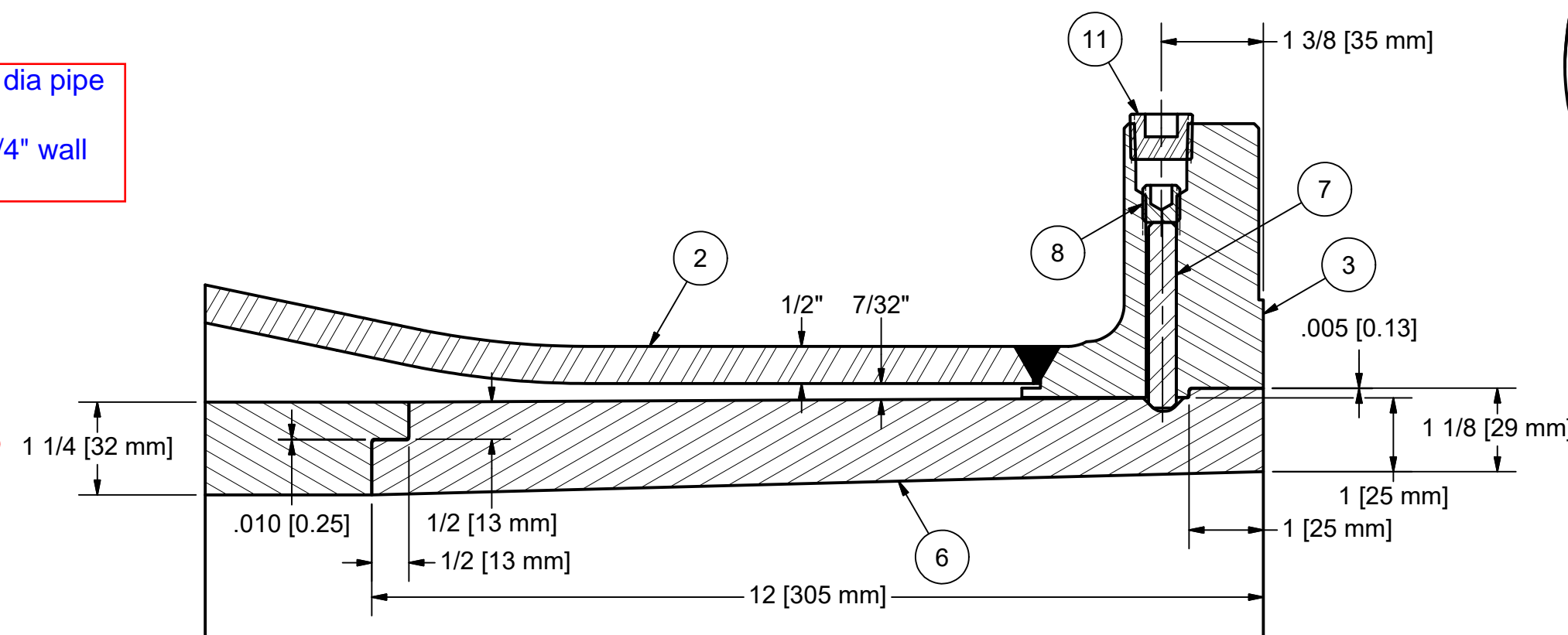
VDR Document #1397868-A05-0009 - Rev.

This flange cant be 28". Minimize grout gap to keep 26" flange and downstream 26" bend

Drawing shows 28 dia pipe
w/1/2" wall
but billing shows 3/4" wall

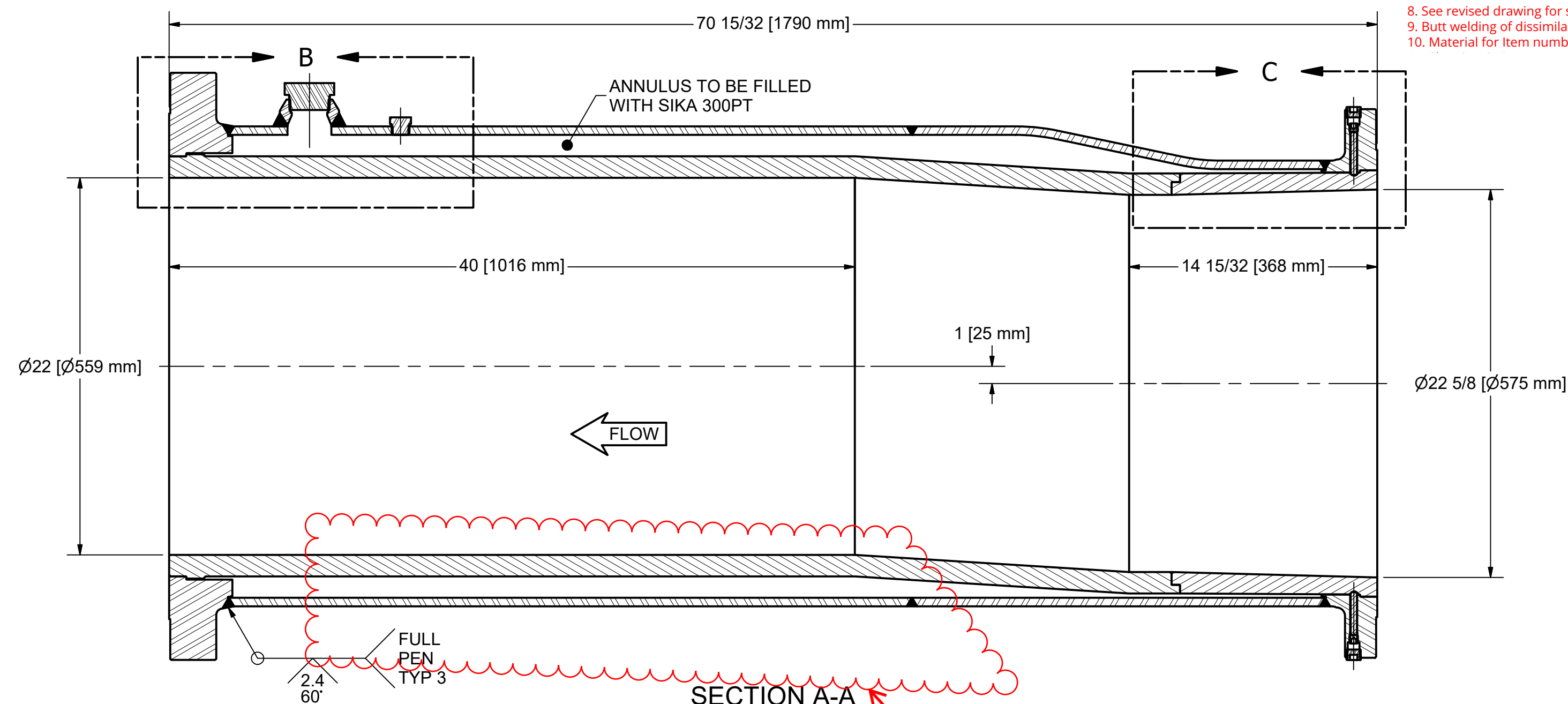


DETAIL B



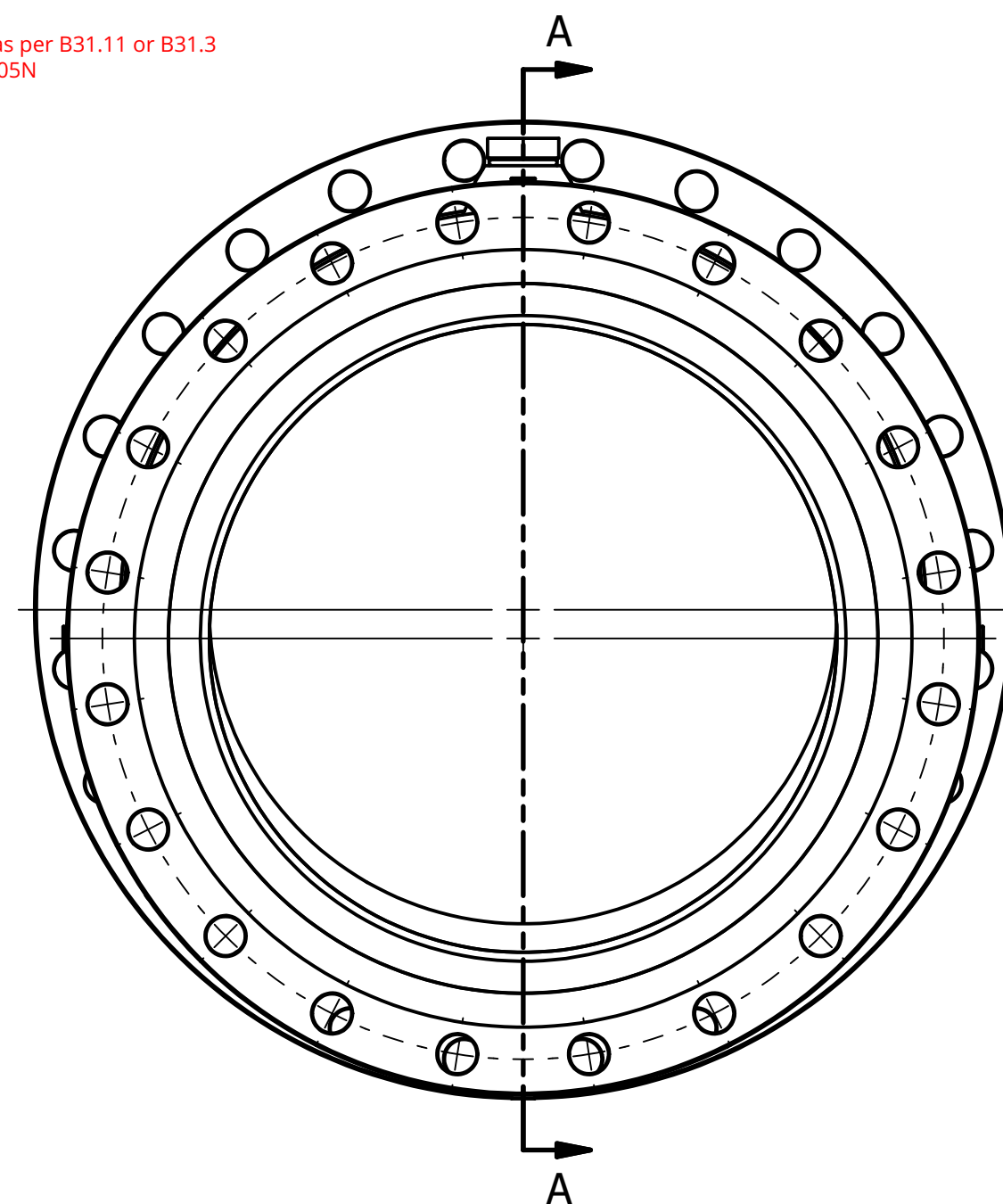
DETAIL C

1. Please provide spool total weight and lifting lugs detail.
2. Mark CG
3. Add MDMT = -29C
4. Specialty item number is SP-K3492
5. Items 3 shall be RFWN B16.5 flange
6. Item 4 shall be RFWN, Custom designed as per ASME VIII div 1 to meet B16.47 series A pressure & temp rating and fit up dims.
7. Item number 3 is qty 3 and 36" instead of 24" wide. Please see revised drawing number 074-2300-080-141-007 01 Rev 1
8. See revised drawing for spool overall length.
9. Butt welding of dissimilar wall thickness shall be as per B31.11 or B31.3
10. Material for item numbers 9,10 & 11 shall be A105N



SECTION A-A

Pipe shoe is missing. See referenced drawing
074-2300-080-141-009 01 for details and location



P.O.#
P.O. TITLE
IOR #
DOCUMENT #
SDRL CODE(S)


EQUIPMENT TAG NUMBER(S)

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)
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 28in pipe	28" x 3/4" WALL x 12" PIPE, API 5L Gr.B PSL-2
2	1	A1-18001-100-03 28in x 26in eccentric reducer	28" x 24" XS REDUCER, A234 WPB
3	1	A1-18001-100-04 24in CL150 RF flange - custom	24" CLASS 150 RF50 FLANGE, A105N, Ø24 5/8" BORE
4	1	A1-18001-100-05 26in CL150 RF flange - custom	26" CLASS 150 RF50 FLANGE, A105N, Ø24 1/2" BORE
5	1	A1-18001-100-06 HCWI reducer	22 5/8" ID x 15/16" WALL x 22" ID x 1 1/4" WALL x 59 31/32" HCWI REDUCER, ASTM A532 CLASS III TYPE A, P#F
6	1	A1-18001-100-08 24in HCWI liner - pup	22 5/8" ID x 15/16" WALL x 12" HCWI LINER, ASTM A532 CLASS III TYPE A, PF#
7	4	A1-18001-100-10 Trap rod	Ø3/8" x 2 1/2" ROUND BAR, A36
8	4	ANSI B18.3 - 1/2-13 UNC x 0.5	1/2"-NC x 1/2" SOCKET HEAD SET SCREW, PLATED
9	1	ASME B16.11 Hex Head Plug 2	2"-NPT HEX HEAD PLUG, A105
10	3	ASME B16.11 Hex Head Plug 3/4	3/4"-NPT HEX HEAD PLUG, A105
11	4	Parker Countersunk Hex-Head Plug 219P 219P-8	1/2"-NPT SOCKET HEAD PLUG, A105
12	1	A1-18001-100-09 2in x 28in CL3000 threadolet	2" x 28" CLASS 3000 THREADOLET, A105N

REVISION HISTORY		
REV	DATE	DESCRIPTION
A	8/02/18	ISSUED FOR REVIEW

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	UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. BREAK ALL SHARP EDGES 1/8" OVER 45° RADIUS 5/16 T.I.R. 0.10 INTERPDT DVG PER ANSI Y14.5 STANDARD.	DRAWN BY: GVD DATE: 8/02/18	CHECKED BY: DATE: TITLE		
	TOLERANCES X ± .116 X.X ± .030 X.XX ± .015 X.XXX ± .010 .XXX ± .125 .XXX ± .125	APPROVED: DATE: 24" x 26" HCWI REDUCER - SPOOL SP-C3635 IOL KEARL PLANT 2 - EXTRACTION	PROJECT NO. A1-18001 REFERENCE 740-2300-080-141-009 01 REV. A		
	MATERIAL & HEAT TREAT	FILE NAME A1-18001-100-00 SPOOL SP-C3635.idw			
	FINISH ON ALL MACHINED SURFACES 125/				

PENTICTON FOUNDRIES LTD.
TO SUPPLY DIRECT TO JOBSITE
REFER TO DRAWING A1-00001-100-01 FOR
ALL GENERAL NOTES AND SPECIFICATIONS

