

SUPPLIER DOCUMENT COVER SHEET

MCDERMOTT

233122 PSC Modifications
Imperial Oil Resources Limited



Supplier Name:	PENTICTON FOUNDRY LTD.
Purchase Order Title:	MISC-K1 CWI PIPING
Equipment / Tag Number(s):	SP-K3492
Supplier Document No:	1462298-A05-0002

Supplier's Revision Record

Rev.	Date	Issue	By	Checked	Approved
2	June 28, 2019	For Review	Penticton		
1	June 26, 2019	For Review	Penticton		
0	June 21, 2019	For Review	Penticton		

Project Document Number

Project No.	Purchase Order No.		Seq. No.
233122	1462298	- A05 -	0002

DOCUMENT TITLE: SP-K3492 DWG

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	
		Date	Signature
<input checked="" type="checkbox"/>	CODE 1: No Comments	9 July 19	Frank McInnis
<input type="checkbox"/>	CODE 2: Reviewed with Minor Comments		
<input type="checkbox"/>	CODE 3: Reviewed with Comments		
<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	CODE 5: Superseded		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		

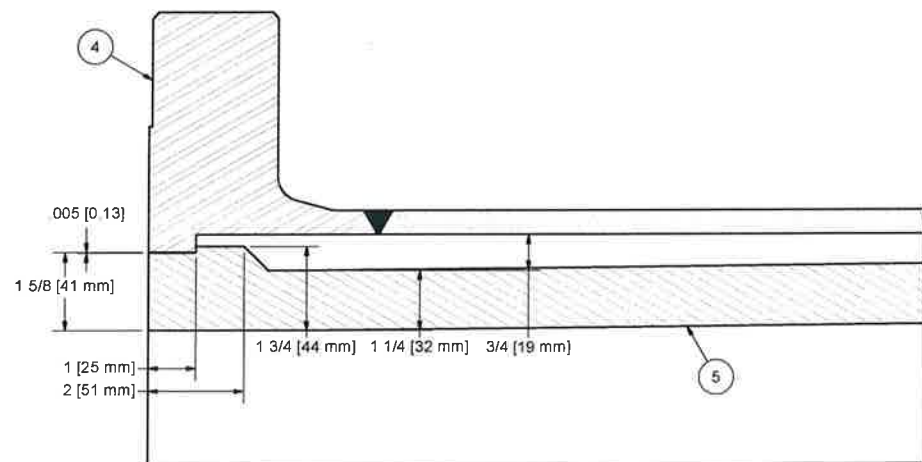
IMPORTANT

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.

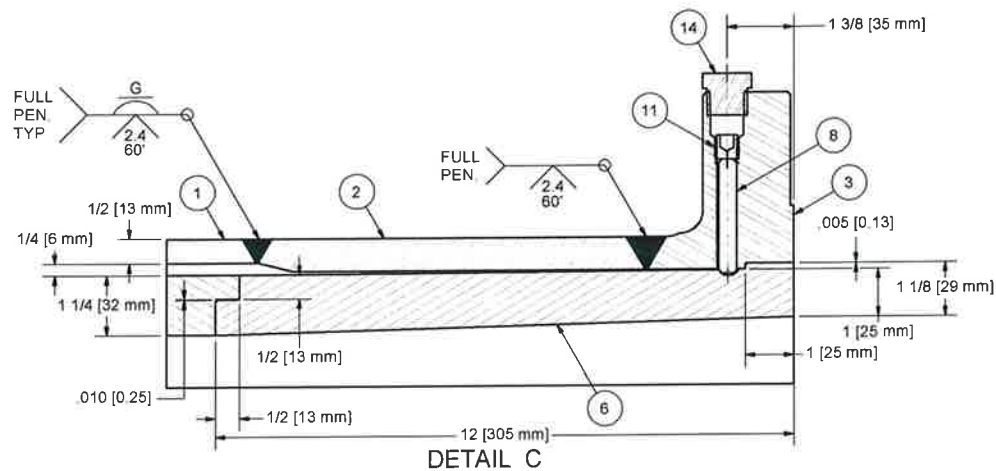
Supplier - Purchaser Interface Data Freeze

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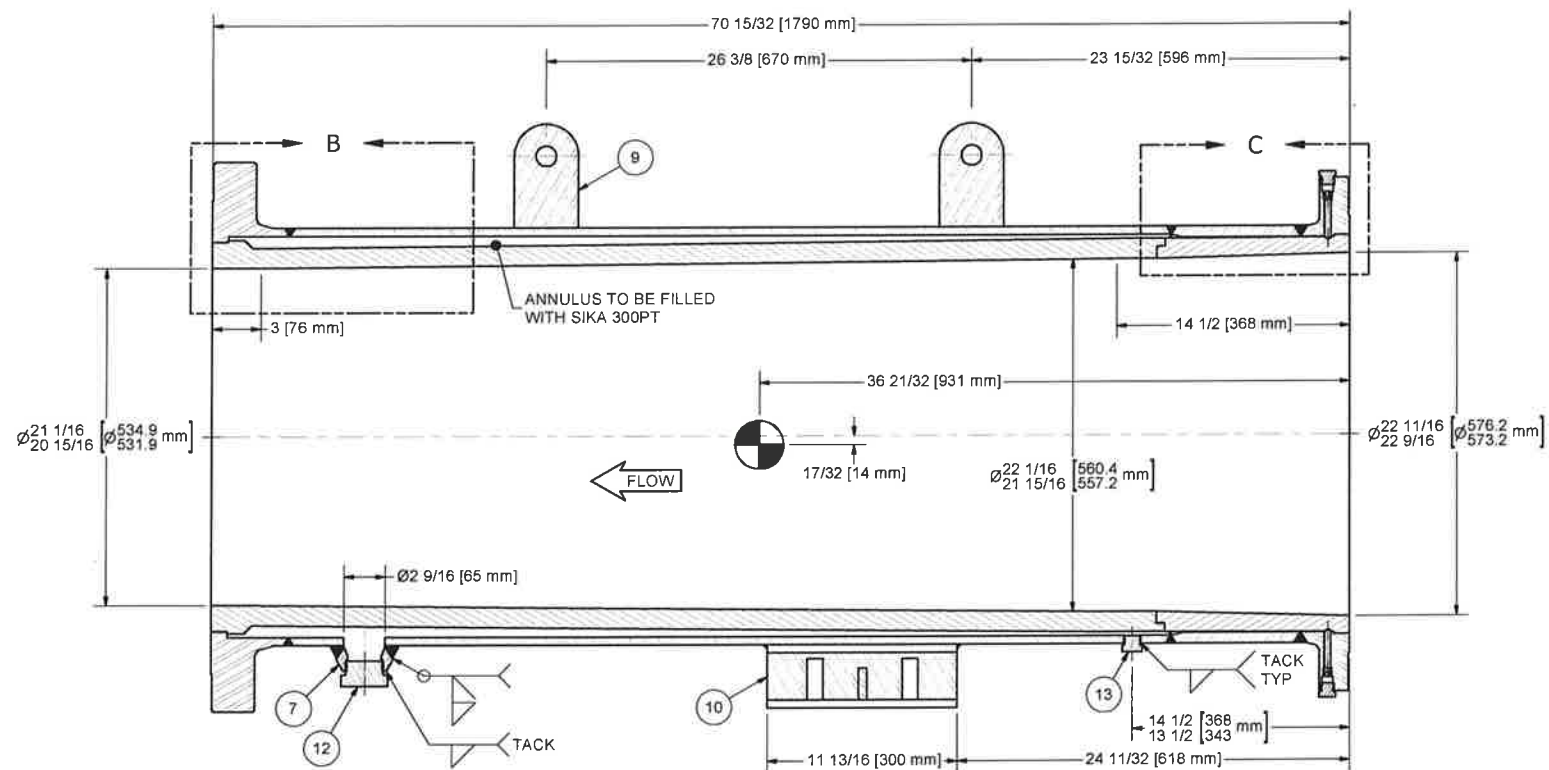
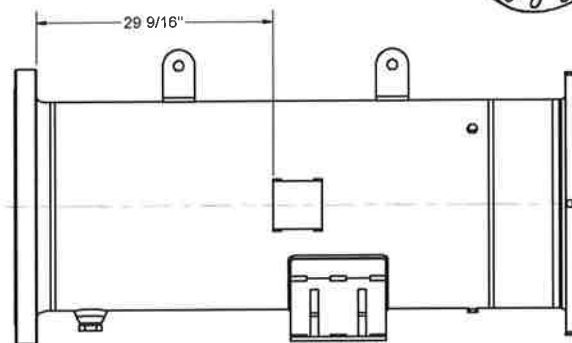
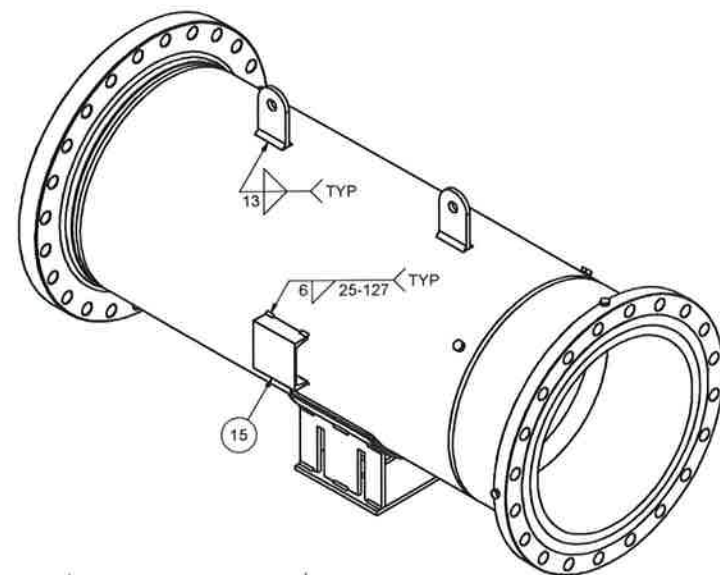
The document consists of this front sheet plus 1 page(s).



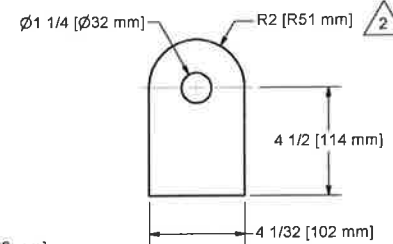
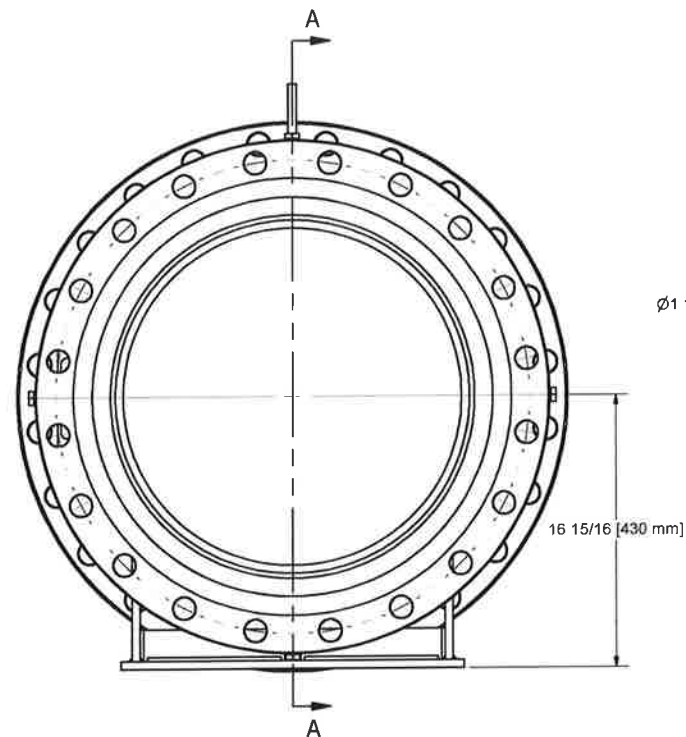
DETAIL B



DETAIL C



SECTION A-A



ITEM 9 - LIFTING LUG

P.O. #	1462298
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	
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) - 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 RFSO 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
2	6/28/19	PO WAS 1397868
1	6/26/19	REFERENCE OF TITLE BLOCK WAS 2300
0	6/26/19	ISSUED FOR CONSTRUCTION



ALCO INC.	APEGA PERMIT TO PRACTICE No. P10702
DO NOT SCALE	
DRAWN BY: JDS	DATE: 6/28/19
CHECKED BY: TMH	DATE: 6/28/19
APPROVED:	DATE:
MATERIAL & HEAT TREAT	

ALCO Industrial		11650 - 156 Street Edmonton, Alberta, Canada T5M 3T5 Phone: (780) 451-6222 • Fax: (780) 452-4355	
PROJECT No.	REFERENCE	TITLE	REV
A1-18001	074-1300-080-141-009 01	24" x 26" HCWI REDUCER - SPOOL SP-K3492	2
FILE NAME	REFERENCE	TITLE	REV
A1-18001-130-00 Spool SP-K3492.idw	074-1300-080-141-009 01	IOL KEARL PLANT 1 - EXTRACTION	1 OF 1