

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-K3493
Supplier Document No:	1462298-A05-0003

Supplier's Revision Record

Rev.	Date	Issue	By	Checked	Approved
2 (1 – signed)	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 -	0003

DOCUMENT TITLE: SP-K3493 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	
<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	CODE 5: Superseded		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		

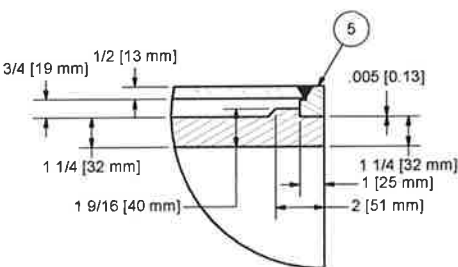
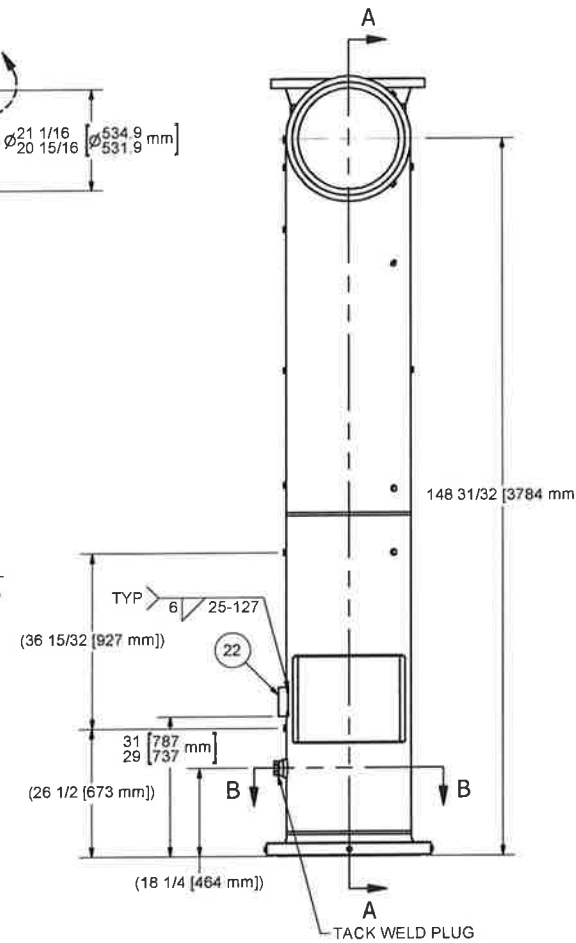
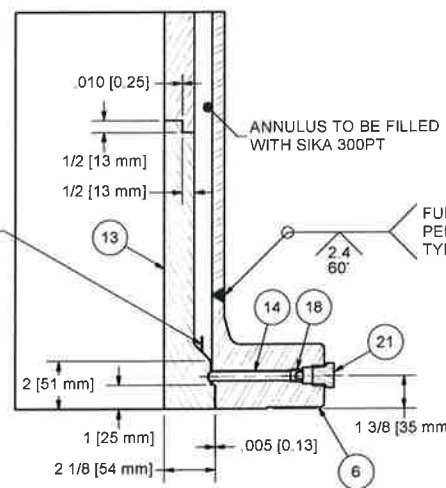
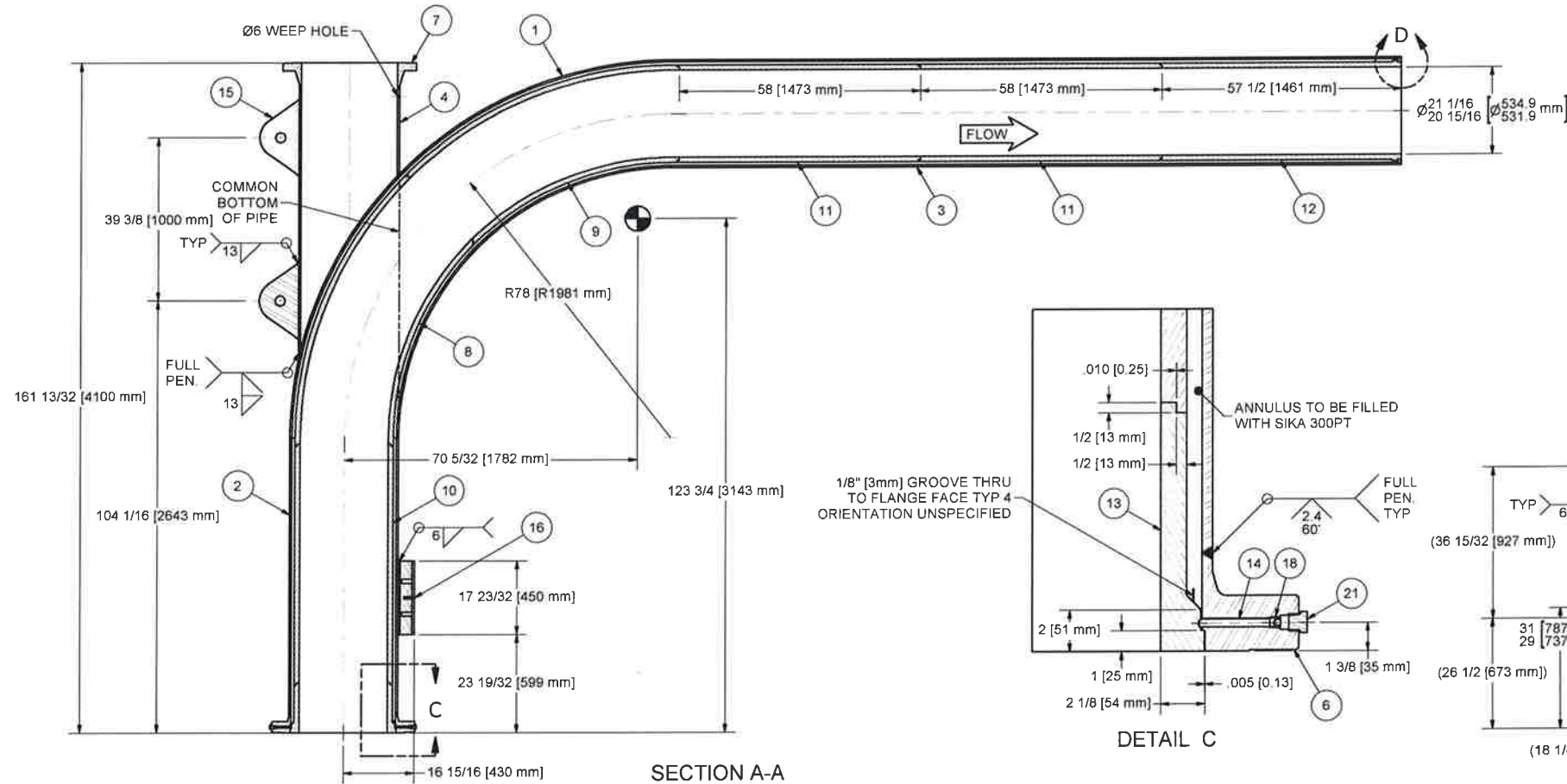
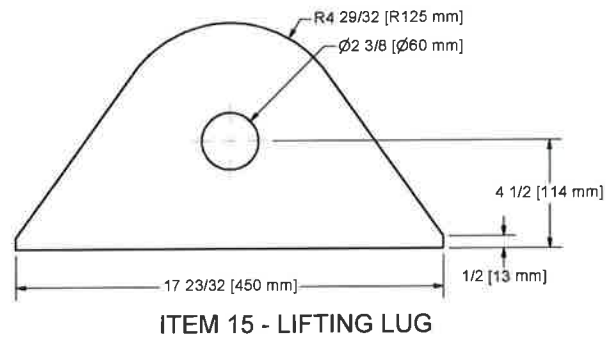
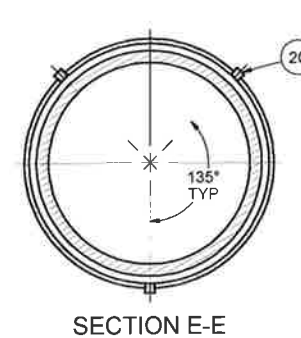
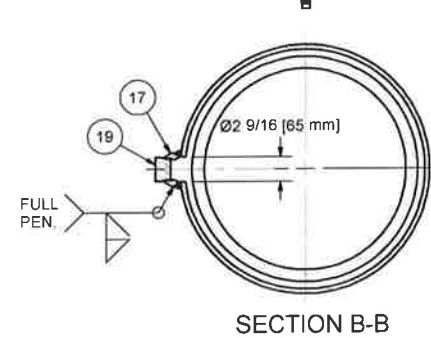
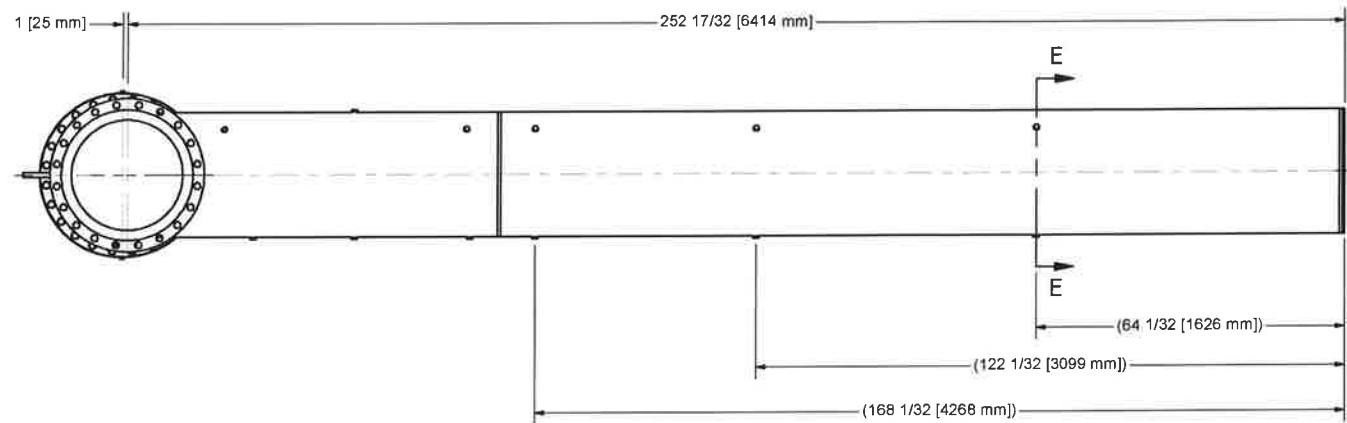
IMPORTANT

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).



BILL OF MATERIAL			DESCRIPTION
ITEM	ITEM QTY	PART NUMBER	
1	1	A1-18001-230-01 26in elbow	26"-3D XS x 90° FORGED ELBOW, A234 WPB
2	1	A1-18001-230-02 26in pipe - inlet	26" XS x 1679mm PIPE, API 5L Gr.B PSL-2
3	1	A1-18001-230-03 26in pipe - outlet	26" XS x 4435mm PIPE, API 5L Gr.B PSL-2
4	1	A1-18001-230-04 24in dummy leg	24" XS x 1610mm PIPE, API 5L Gr.B PSL-2
5	1	A1-18001-230-05 End ring	Ø660mm x Ø597mm x 1" PLATE, A516 Gr.70N
6	1	A1-18001-230-06 26in CL150 RFWN flange - custom	26" XS CL150 ASME B16.47 Ser.A RFWN FLANGE, A105N
7	1	A1-18001-230-07 24in CL150 RFWN flange	24" XS CLASS 150 ASME B16.5 RFWN FLANGE, A105N
8	1	A1-18001-230-08 HCWI elbow - male	533mm ID x 32mm WALL x 2134mm RADIUS x 45° HCWI ELBOW, ASTM A532 CLASS III TYPE A, PF#743107
9	1	A1-18001-230-09 HCWI elbow - female	533mm ID x 32mm WALL x 2134mm RADIUS x 45° HCWI ELBOW, ASTM A532 CLASS III TYPE A, PF#743106
10	1	A1-18001-230-10 HCWI pipe - inlet	533mm ID x 32mm WALL x 1320mm HCWI LINER, ASTM A532 CLASS III TYPE A, PF#743104
11	2	A1-18001-230-11 HCWI pipe - center	533mm ID x 32mm WALL x 1473mm HCWI LINER, ASTM A532 CLASS III TYPE A, PF#743103
12	1	A1-18001-230-12 HCWI pipe - outlet	533mm ID x 32mm WALL x 1473mm HCWI LINER, ASTM A532 CLASS III TYPE A, PF#743102
13	1	A1-18001-230-13 26in HCWI liner - pup	533mm ID x 32mm WALL x 305mm HCWI LINER, ASTM A532 CLASS III TYPE A, PF#743101
14	4	A1-18001-230-14 Trap rod	Ø3/8" x 86mm ROUND BAR, A36
15	2	A1-18001-230-15 Lifting lug	450mm x 239mm x 1" PLATE, CSA G40.21 Gr.350 WT Cat 4
16	1	A1-18001-400-00 Pipe shoe - S4-A-2-26	AS PER 074-0000-220-000-026 01
17	1	A1-18001-130-07 2in x 26in CL3000 threadolet	2" x 26" CLASS 3000 THREADOLET, A105N
18	4	ANSI B18.3 - 1/2-13 UNC x 0.5	1/2"-NC x 1/2" SOCKET HEAD SET SCREW, PLATED
19	1	ASME B16.11 Hex Head Plug 2	2"-NPT HEX HEAD PLUG, A105N
20	28	ASME B16.11 Hex Head Plug 3/4	3/4"-NPT HEX HEAD PLUG, A105N
21	4	ASME B16.11 Hex Head Plug 1/2	1/2"-NPT HEX HEAD PLUG, A105N
22	1	Tag mount - 6in	C6x8 2 x 6" [152mm], 44W
23	AS REQ'D	GROUT	SIKA 300PT

REVISION HISTORY		
REV	DATE	DESCRIPTION
1	6/26/19	REFERENCE OF TITLE BLOCK WAS 2300
0	6/21/19	ISSUED FOR CONSTRUCTION



P.O.#	1462298
P.O. TITLE	CWI PIPING
IOR #	141-3015-66
DOCUMENT #	1462298-A05-0003
SDR CODE(S)	A05
EQUIPMENT TAG NUMBER(S)	TAG #: SP-K3493 IOR #: 141-3015-66
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

EST. WT. 18,455 lbs	UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES. BREAK ALL SHARP EDGES 0.125" MIN. UNLESS OTHERWISE SPECIFIED.
DO NOT SCALE	
DRAWN BY: JDS	DATE: 6/26/19
CHECKED BY: TMH	DATE: 6/26/19
APPROVED: DATE:	
MATERIAL & HEAT TREAT	
FILE NAME: A1-18001-230-00 Spool SP-K3493 idw	REFERENCE: 074-1300-080-141-010 01
PROJECT No: A1-18001	REV 1
SHEET 1 OF 1	

ALCO Industrial	11650 - 156 Street, Edmonton, Alberta, Canada T6M 3T5 Phone: (780) 451-5222 • Fax: (780) 452-4355
26" HCWI ELBOW - SPOOL SP-K3493	
IOL KEARL PLANT 1 - EXTRACTION	