

# SUPPLIER DOCUMENT COVER SHEET

**MCDERMOTT**

**233122 PSC Modifications**  
**Imperial Oil Resources Limited**



<b>Supplier Name:</b>	<b>PENTICTON FOUNDRY LTD.</b>
<b>Purchase Order Title:</b>	<b>MISC-K1 CWI PIPING</b>
<b>Equipment / Tag Number(s):</b>	<b>SP-K3493</b>
<b>Supplier Document No:</b>	<b>1462298-A05-0003</b>

## Supplier's Revision Record

0	June 21, 2019	For Review	Penticton		
Rev.	Date	Issue	By	Checked	Approved

## 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	Date	Signature
<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	CODE 5: Superseded		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		
		June 26/19	Frank McInnis

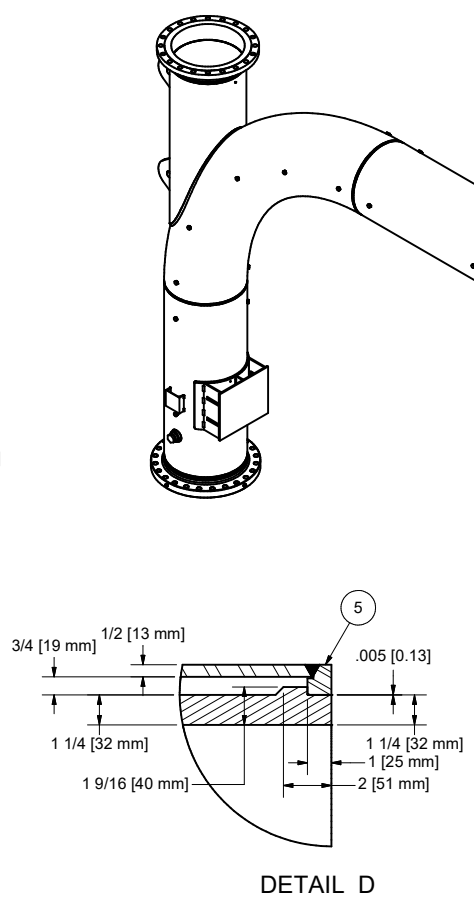
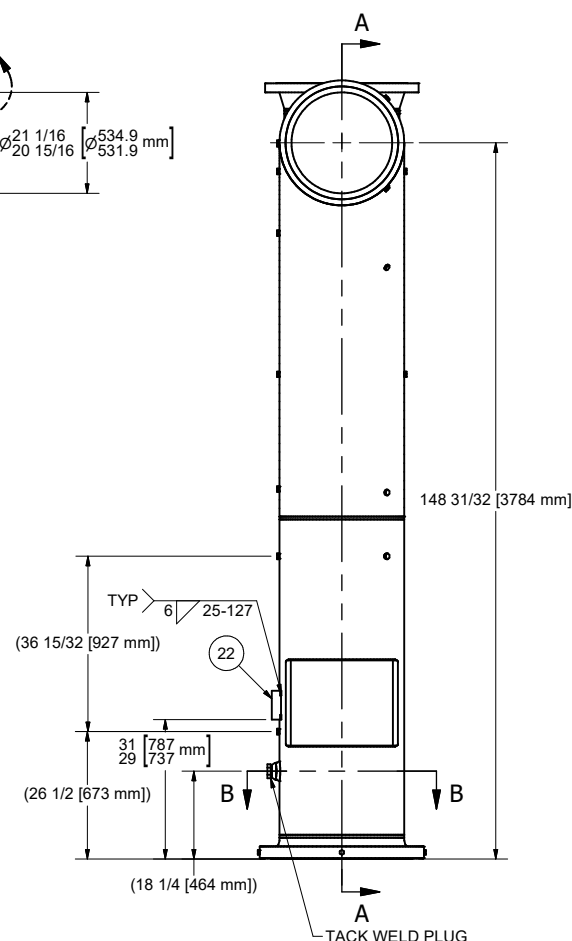
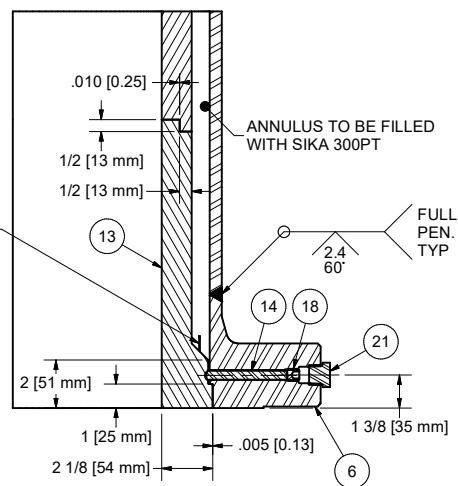
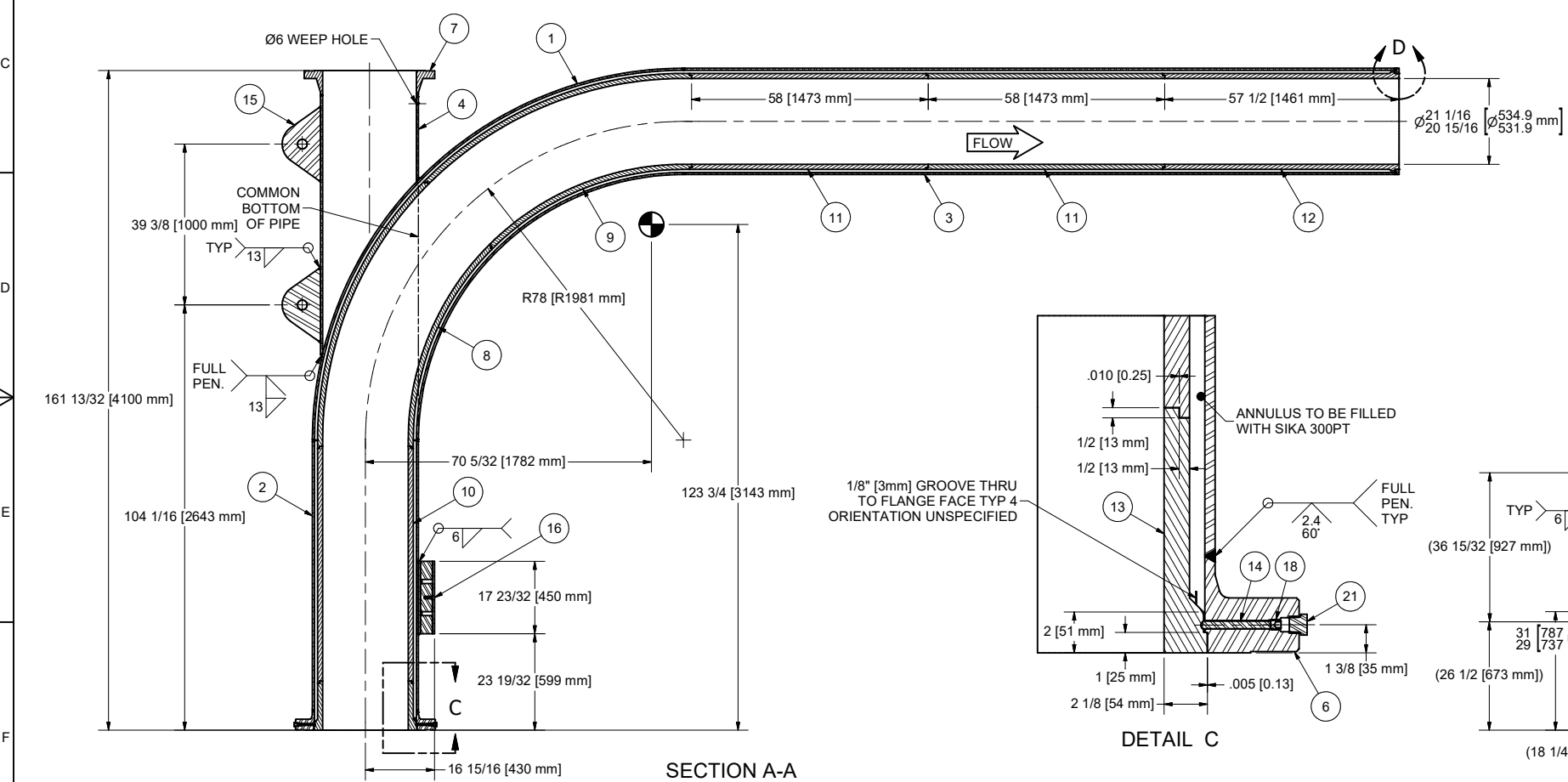
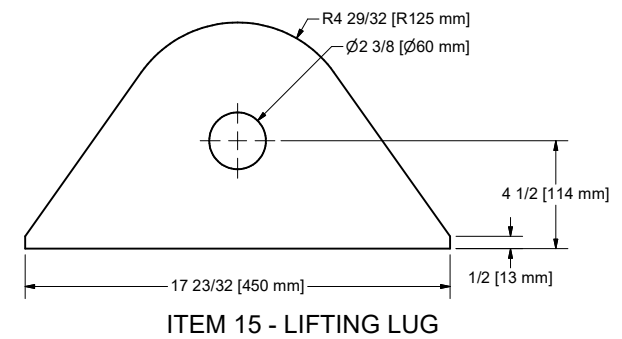
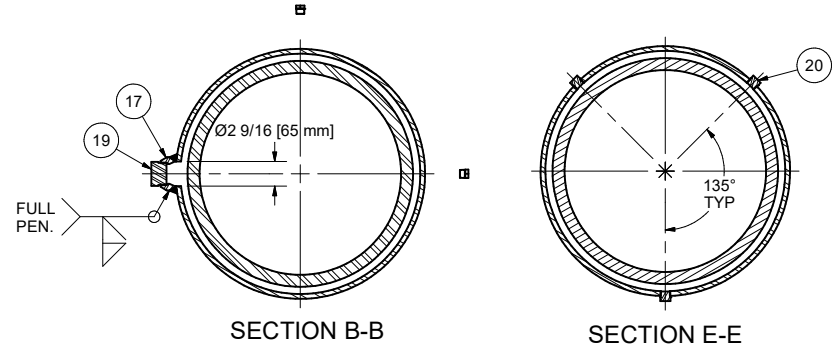
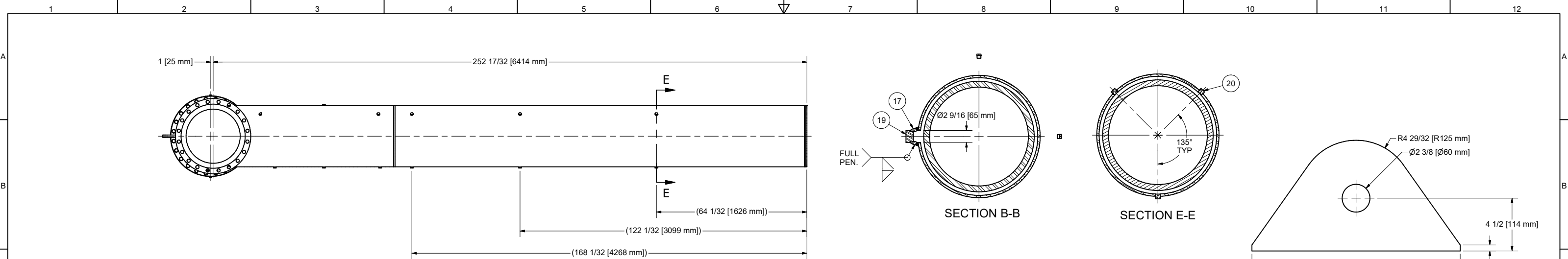
#### IMPORTANT

*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

<b>MCDERMOTT Name:</b>	<b>Signature:</b>	<b>Date:</b>
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The document consists of this front sheet plus **1** page(s).



BILL OF MATERIAL			
ITEM	ITEM QTY	PART NUMBER	DESCRIPTION
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
0	6/21/19	ISSUED FOR CONSTRUCTION

P.O.# 1462298

P.O. TITLE CWI PIPING

IOR # 141-3015-66

DOCUMENT # 1462298-A05-0003

SDRL 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 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 90° UNLESS OTHERWISE SPECIFIED.

PER ANSI Y14.5 STANDARD.

TOLERANCES:

X ± 1/16

XX ± 0.00

XXX ± 0.015

XXXX ± 0.005

ANGLES ± 1/2°

FINISH ON ALL MACHINED SURFACES

DO NOT SCALE

DRAWN BY: JDS DATE: 6/21/19

CHECKED BY: TMH DATE: 6/21/19

APPROVED: DATE:

MATERIAL & HEAT TREAT

ALCO INC. APEGGA PERMIT TO PRACTICE No.: P10702

ALCO Industrial

11650 - 156 Street

Edmonton, Alberta, Canada T5M 3T5

Phone: (780) 451-6222 • Fax: (780) 452-4355

TITLE 26" HCWI ELBOW - SPOOL SP-K3493

IOL KEARL PLANT 1 - EXTRACTION

PROJECT No. A1-18001 REFERENCE 074-2300-080-141-010 01

FILE NAME A1-18001-230-00 SPOOL SP-K3493.idw

REV. 0 SHEET 1 OF 1