


BILL OF MATERIAL				
ITEM	ITEM QTY	PART NUMBER	DESCRIPTION	HEAT No.
1	1	A1-18001-200-01 26in elbow	26"-3D XS x 90° FORGED ELBOW, A234 WPB	
2	1	A1-18001-260-17 26in pipe - inlet	26" OD X 3/4" WALL x 254 mm PIPE, API 5L Gr.B PSL-2	
3	1	A1-18001-200-03 26in pipe - outlet	26" XS x 4435mm PIPE, API 5L Gr.B PSL-2	
4	1	A1-18001-260-02 26in pipe - inlet	26" XS x 1423 mm PIPE, API 5L Gr.B PSL-2	
5	1	A1-18001-200-04 24in dummy leg	24" XS x 1610mm PIPE, API 5L Gr.B PSL-2	
6	1	A1-18001-200-05 End ring	Ø660mm x Ø597mm x 1' PLATE, A516 Gr.70N	
7	1	A1-18001-200-06 26in CL150 RFWN flange - custom	26" XS CL150 ASME B16.47 Ser.A RFWN FLANGE, A105N	
8	1	A1-18001-200-07 24in CL150 RFWN flange	24" XS CL150 ASME B16.5 RFWN FLANGE, A105N	
9	1	A1-18001-200-08 HCWI elbow - male	533 mm ID x 32 mm WALL x 1981 mm RADIUS x 45 deg HCWI ELBOW, ASTM A532 CLASS III TYPE A, PF #743107	
10	1	A1-18001-200-09 HCWI elbow - female	533 mm ID x 32 mm WALL x 1981 mm RADIUS x 45 deg HCWI ELBOW, ASTM A532 CLASS III TYPE A, PF #743106	
11	2	A1-18001-200-11 HCWI pipe - center	533 mm ID x 32 mm WALL x 1486 mm HCWI LINER, ASTM A532 CLASS III TYPE A, PF #743103	
12	1	A1-18001-200-12 HCWI pipe - outlet	533mm ID x 32mm WALL x 1473mm HCWI LINER, ASTM A532 CLASS III TYPE A, PF#743102	
13	1	A1-18001-260-10 HCWI pipe - inlet	533 mm ID x 32 mm WALL x 1460 mm HCWI LINER, ASTM A532 CLASS III TYPE A, PF #743104	
14	1	A1-18001-200-13 26in HCWI liner - pup	533mm ID x 32mm WALL x 305mm HCWI LINER, ASTM A532 CLASS III TYPE A, PF#743101	
15	4	A1-18001-200-14 Trap rod	Ø3/8" x 86mm ROUND BAR, 44W	
16	2	A1-18001-200-15 Lifting lug	450mm x 239mm x 1" PLATE, CSA G40.21 Gr.350 WT Cat.4	
17	1	A1-18001-100-07 2in x 26in CL3000 threadolet	2" x 26" CLASS 3000 THREADOLET, A105N	
18	1	A1-18001-400-00 Pipe shoe - S4-A-2-26	AS PER 074-0000-220-000-026 01	
19	4	ANSI B18.3 - 1/2-13 UNC x 0.5	Hexagon Socket Set Screw - Flat Point	
20	4	ASME B16.11 Hex Head Plug 1/2	Hex Head Plug	
21	1	ASME B16.11 Hex Head Plug 2	Hex Head Plug	
22	28	ASME B16.11 Hex Head Plug 3/4	Hex Head Plug	
23	1	Tag mount - 6in	C6x8.2 x 6" [152mm], 44W	

WELD MAP			
WELD No.	WELDER ID	NDT REPORT	WPS No.
W1			
W2			
W3			
W4			
W5			
W6			
W7			
W8			
W9			
W10			
W11			
W12			

WELDING CONSUMABLES		
WIRE TYPE	SIZE	LOT No.

APPROVED WPS	

REVISION HISTORY			
REV	DATE	DESCRIPTION	INITIALS
A	12/20/19	ISSUED FOR REVIEW	KLS

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	UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. BREAK ALL SHARP EDGES 10° OR GR.45° RADIUS. 95% T.I.R. .010. INTERPRET DWG PER ANSI Y14.5 STANDARD.	DRAWN BY: KLS	DATE: 12/20/19	
	TOLERANCES: X = ± .118 XX = ± .050 XXX = ± .015 XXXX = ± .005 ANGLES = ± .12°	CHECKED BY:	DATE:	TITLE SPOOL SP - K3493 - WELD MATERIALS MAP IOL KEARL PLANT 1 - EXTRACTION
	125% FINISH ON ALL MACHINED SURFACES	APPROVED:	DATE:	PROJECT NO. A1-18001-260 REFERENCE A1-18001-260-00 FILE NAME A1-18001-260-00 Spool SP-K3493 maps.idw
		MATERIAL & HEAT TREAT		REV. A SHEET 1 OF 1