



BILL OF MATERIAL			
ITEM	ITEM QTY	PART NUMBER	DESCRIPTION
1	1	A1-19037-200-01 Trunk shell	112 5/16" x 69 15/32" x 1 1/2" PLATE, A516 Gr.70N, ROLLED TO 37 1/4" OD
2	1	A1-19037-200-02 Branch shell	112 5/16" x 50 29/32" x 1 1/2" PLATE, A516 Gr.70N, ROLLED TO 37 1/4" OD
3	3	A1-19037-200-03 34in pipe	34" x 3/4" WALL x 10 3/32" PIPE, API 5L X52 PSL-1 PSL-2
4	3	A1-19037-200-04 30in CL300 RF flange - custom	30" CLASS 300 B16.47 Ser.A FFSO FLANGE, A105N, Ø31 1/4" BORE
5	1	A1-19037-200-05 HCWI lateral	28 1/2" ID x 2 1/4" WALL x 45° HCWI LATERAL, 19 1/2" x 52 31/32" x 52 31/32", ASTM A532 CLASS III TYPE A, PF#(TBD) LEVEL 2
6	3	A1-19037-200-06 HCWI liner - pup	28 1/2" ID x 1 1/4" WALL x 12 1/2" HCWI LINER, ASTM A532 CLASS III TYPE A, PF#(TBD) LEVEL 2
7	12	A1-19037-200-07 Trap rod	Ø3/8" x 4 9/16" ROUND BAR, A36
8	1	A1-19037-200-08 2in x 38in threadolet	2" x 36" CLASS 3000 THREADOLET, A105N
9	12	ANSI B18.3 - 1/2-13 UNC x 0.5	1/2"-NC x 1/2" FLAT POINT SOCKET HEAD SET SCREW, PLATED
10	1	ASME B16.11 Hex Head Plug 2	2"-NPT HEX HEAD PLUG, A105N
11	10	ASME B16.11 Hex Head Plug 3/4	3/4"-NPT HEX HEAD PLUG, A105N
12	12	ASME B16.11 Hex Head Plug 1/2	1/2"-NPT HEX HEAD PLUG, A105N

CNRL-OVR-STD-PI-000003	Piping Components Procurement Standard
HZN-00-STD-PI-000005	Punch list inspection requirement of Piping
HZN-00-STD-PI-000019	Shop fabrication of Piping
HZN-00-STD-PI-000023	Piping Traceability and Certification
HZN-00-STD-PI-000030	Supplementary requirement for Carbon Steel Seamless Pipe, fittings and flanges
HZN-00-STD-MC-000019	Non-Destructive Examination
CNRL-OVR-STD-WE-000002	Welding of Pressure Piping
CNRL-OVR-PRO-QA-000001	Procedure-Approved Resource Providers and Program
USX	Line Class for Slurry Lines
HZN-00-STD-QA-000009	Preservation of Equipment and Materials
CNRL-OVR-STD-MC-000007	HIGH CHROMIUM WHITE IRON FOR OIL SAND WEAR APPLICATIONS
STRUCTURAL	

REVISION HISTORY		
REV	DATE	DESCRIPTION
A	11/14/19	ISSUED FOR REVIEW

PLEASE CONFIRM YOUR HYDROTESTING REQUIREMENTS (Test pressure and duration)

Brian M Alco Nov 15, 2019

2016

DESIGN CODE: ASME B31.4, 2002.

SERVICE: **COARSE TAILING SANDS**

DESIGN PRESSURE: 4447 kPag (645 psig)

DESIGN TEMPERATURE: 93°C (199°F)

TEST PRESSURE: 4892 kPag (710 psig)

TEST TEMPERATURE: 15°C (59°F)

TEST DURATION: 30 MINUTES

LINE CLASS **USX**

EST. WT. 14,250 lbs.

UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES. BREAK ALL SHARP EDGES 01" OR GR.45° RADI 05" T.I.R. 010. INTERPRET DWG PER ANSI Y14.5 STANDARD.

TOLERANCES:

X = ±.118

X.X = ±.050

X.XX = ±.015

X.XXX = ±.005

ANGLES = ±.12°

125/ FINISH ON ALL MACHINED SURFACES

DO NOT SCALE

DRAWN BY: GVD DATE: 11/14/19

CHECKED BY: DATE:

APPROVED: DATE:

MATERIAL & HEAT TREAT

TITLE

30" x 30" x 45° HCWI LATERAL

CNUL ALBIAN

PROJECT No: A1-19037 REFERENCE: 3-2-0218 Sht 5 OF 7 REV: A

FILE NAME: A1-19037-200-00 30in lateral.idw SHEET 1 OF 1

ALCO Industrial

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REFER TO DRAWING A1-00001-100-01 FOR ALL GENERAL NOTES AND SPECIFICATIONS