



DETAIL D  
TYP

SECTION A-A

SECTION B-B

SECTION C-C

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ITEM	ITEM QTY	PART NUMBER	DESCRIPTION
1	1	A1-19037-200-01 Trunk shell	112 5/16" x 68 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 11 3/32" PIPE, API 5L X52 PSL-2
4	3	A1-19037-200-04 30in CL.300 RF flange - custom	30" CLASS 300 B16.47 Ser.A RF&SO 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, LEVEL 2, PF# 503369
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, LEVEL 2, PF# 503368
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
13	2	Tag mount - 6in	C6x8.2 x 6" [152mm], 44W

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REV	DATE	DESCRIPTION	INITIALS
3	3/17/20	UPDATED DESIGN DATA	GVD
2	2/24/20	ADDED LINE CLASS, ADDED NOTES	GVD
1	2/10/20	34in PIPE LENGTH WAS 10 3/32in, MATERIAL ADDED FOR MACHINING	KLS
0	1/16/20	ISSUED FOR CONSTRUCTION, ADD PF NUMBERS TO PART DESCRIPTIONS, ITEM 1 WAS 69 15/32" LG DESCRIPTION	JDS
D	1/10/20	UPDATED WELD SYMBOL, UPDATED NOTE, ADDED SIF TABLE	GVD
C	12/18/19	CHANGED HYDRO TO 4 HOURS	BEM
B	11/25/19	34" PIPE WAS PSL-1, ADDED "LEVEL 2" TO HCWI DESCRIPTIONS, UPDATED DESIGN DATA, ADDED TAG MOUNTS	GVD
A	11/14/19	ISSUED FOR REVIEW	GVD

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EST. WT. 14,270 lbs.  
UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES. BREAK ALL SHARP EDGES 0.1" RADIUS. RADIUS 0.1" R. 0.10. INTERPRET DWG PER ANSI Y14.5 STANDARD.  
TOLERANCES:  
X.XX = ±.118  
X.XX = ±.050  
X.XXX = ±.015  
X.XXXX = ±.005  
ANGLES = ±.12  
125/ FINISH ON ALL MACHINED SURFACES

DO NOT SCALE

DRAWN BY: GVD DATE: 11/14/19  
CHECKED BY: JDS DATE: 3/20/20  
APPROVED: BEM DATE: 3/20/20  
MATERIAL & HEAT TREAT

DESIGN CODE: ASME B31.4, 2016  
LINE CLASS: U5X  
SERVICE: COARSE SAND TAILINGS  
DESIGN PRESSURE: 4447 kPag (645 psig)  
DESIGN TEMPERATURE: 60°C (140°F)  
TEST PRESSURE: 5558 kPag (806 psig)  
TEST TEMPERATURE: 15°C (59°F)  
TEST DURATION: 4 HOURS

2

3

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ALCO Industrial

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TITLE

30" x 30" x 45° HCWI LATERAL  
CNUL ALBIAN

PROJECT No:

A1-19037

REFERENCE

3-2-0218 Sht 5 OF 7

REV.

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FILE NAME

A1-19037-200-00 30in lateral.idw

SHEET

1 OF 1