BILL OF MATERIALS

ITEM	QTY	SIZE	DESCRIPTION	RATING
LG 100	1		Penberthy 1RM5-NE Reflex level gauge w/330J Gaugecocks	2365 PSI
LC-100	1	2"	NORRISEAL 1001A Level Controller, Direct Acting, 2"NPT, RH	
PSV 100	1	1"X1"	TAYLOR 'E' Orifice,CS Body, NACE Service, Set @ 1440PSI	MxFNPT
PI 100	1	½"	4" Dual Scale, Liquid Filled, SS, Pressure Indicator	0-2000 PSI
PI 200	1	¼"	2.5" Dual Scale, Liquid Filled, Pressure Indicator	0-200 PSI
FE 100	1	3"	CANALTA Dual Chamber, AGA3 2016, LH, Pin Style F/C 1.5"Orifice, 62.5" OAL, 0.75 BETA	600 ANSI RF
LCV 100	1	2"	NORRISEAL 2220 RF, 1" Quick Open Trim, ATO/FC	600 ANSI
TI 100	1	½"	3"Dial, 0-250°F Dual Scale, Temperature Indicator with 3/4"npt x 1/2"npt SST Thermowell	0-250°F
PRV 210	1	¼"	CVS 67CFR Instrument Regulator	0-35 PSI
VALVES				
Ball Valves	3	2"	RF RP Flanged, Sour Trim Ball Valve	600#
	1	1"	NPT RP, Sweet Ball Valve	3600#
	2	¾"	NPT RP, Sour Ball Valve	3600#
	5	½"	NPT FP, Sour Ball Valve	3600#
	2	¼"	NPT FP, Sweet Ball Valve	3600#
Needle Valves	1	½"	NPT Needle Valve Sour service	10000#
	1	¼"	NPT Needle Valve Sour service	10000#

BILL OF MATERIALS

ITEM	QTY	SIZE	DESCRIPTION	RATING
PIPING				
TKS 'C' PIPING		1"-2"	SEAMLESS BW SCH. 160	A 106B
(PROCESS)		3"-4"	SEAMLESS BW SCH. 80	A 106B
		1"-4"	TEES, ELBOWS, REDUCERS, Bore to Match Pipe	A 234WPB
		1"-4"	RF 600 ANSI WN FLANGES, Bore to Match Pipe	A 105N
		½" - 2"	SEAMLESS THREADED, SCH. 160	A 106B
		½" - 2"	THREADED FITTINGS, MIN. 3000#	A 105N
TKS 'A' PIPING		¼" - 1"	SEAMLESS THREADED SCH. 80	A 106B
(INST. GAS)		¼" - 1"	THREADED FITTINGS, MIN. 2000#	A 105N
TUBING	All	3/8"	0.035"Wall Fully Annealed, Single Welded, #316SS	A 269
		½"	0.049"Wall Fully Annealed, Single Welded, #316SS	A 269
	Fittings	3/8" - ½"	DK LOK SS Compression Type	A 108
SUPPORT SKID				
	8'x10.5'	W6	Main Rails w/ Lift eyes and Vessel Support Members	
		C5	Floor Supports	
			3/16" Checker Plate Floor, 3/8" Vessel Plate	
		2"	Under Skid, Spray Foam Insulation	Polyurethane
BUILDING				
Shed Style	8'x10.5'	1½"	R12 Foam Panel Walls & Roof, Galvalume Ext.& Int.	Polyurethane
VORTEX Structures	10'6"HIGH			
	10'6"LOW			
	1	3'x7'	R12 Foam Panel Door, Galvalume Ext. & Int. c/w Panic	Polyurethane
			Hardware, Lock, 2x2GPW, Check Chain, WeatherStriping	
			door sweep, butt hinges	
	2	12"x12"	Stamped Aluminum Vents w/ Manual Sliders	High & Low
	1	3'x3'	Single glazed slider window c/w screen	

NO.	DATE	REVISION		
			CLIENT DOCKOTA EQUIPMENT CORP.	JOB NO. 18315
A	November 30, 2023	Issued for Approval	DRAWING FILE 18315 BOM	A