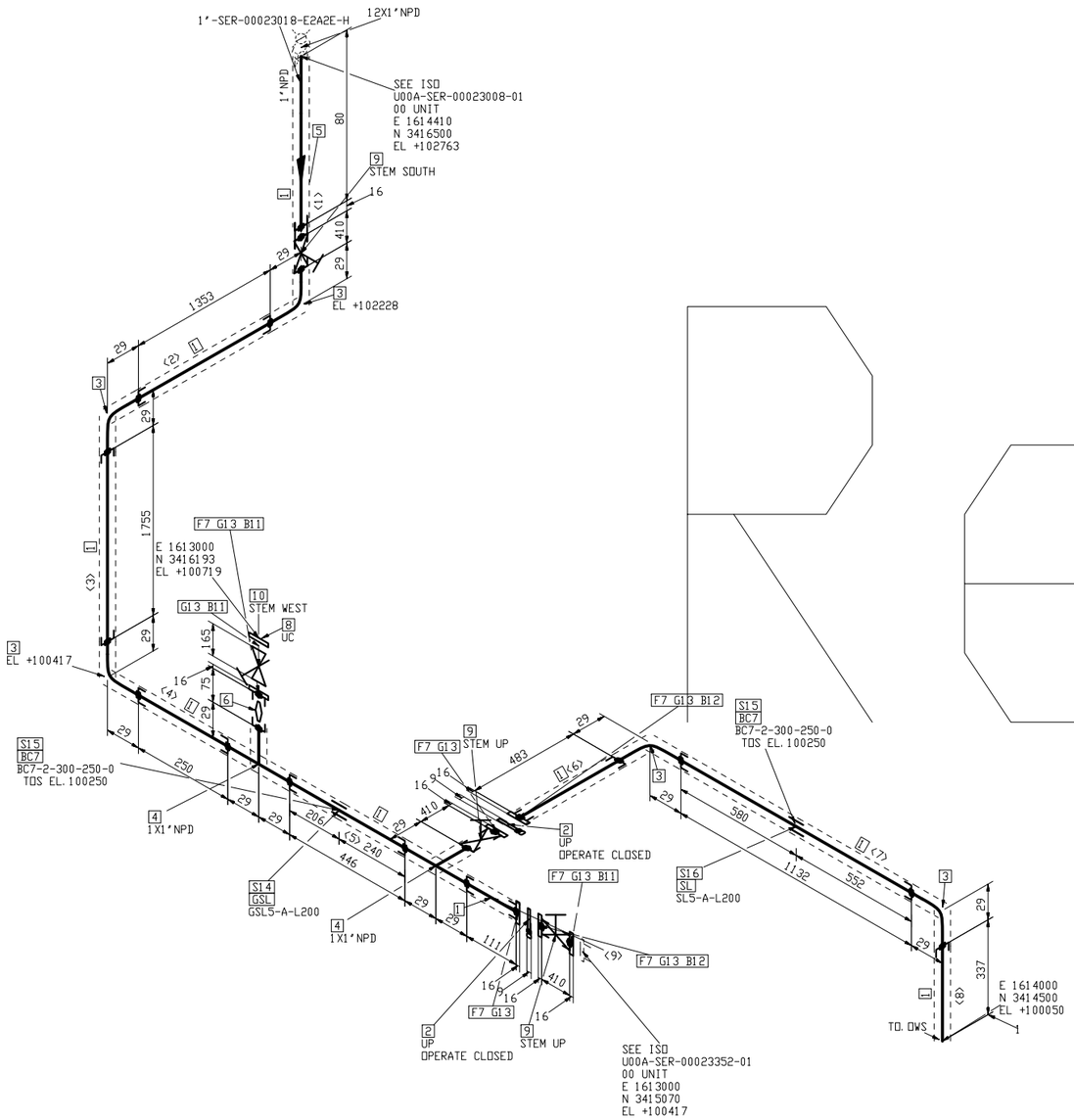
00A-SER007

NOTE : 1. PRIOR TO FABRICATION, THE CONTRACTOR SHALL CHECK THE FINISHED DIMENSIONS OF FOUNDATIONS AND OF STRUCTURES AND OF EQUIPMENTS AGAINST PIPING DRAWINGS.
2. NPS BELOW 2", DIMENSIONS AND ROUTING SHALL BE FIELD ADJUSTED.



BILL OF MATERIALS

ERECTION MATERIALS

NO	COMPONENT DESCRIPTION	SIZE	ITEM CODE	QTY
1	PIPE, B36.10M, PE, A335 GR.P11, SMLS, S-160	1	I70441203	6.0 M
2	FIGURE-8 BLANK, B16.48, CL 300, FF, A182 GR.F11 CL.2	1	I465724564	2
3	ELBOW 90 DEG., B16.11, CL 6000, SWE, A182 GR.F11 CL.2	1	I70256980	5
4	TEE EQUAL, B16.11, CL 6000, SWE, A182 GR.F11 CL.2	1X1	I70257399	2
5	FULL COUPLING, B16.11, CL 6000, SWE, A182 GR.F11 CL.2	1	I70318974	1
6	NIPPLE, B36.10M, PBE, A335 GR.P11, SMLS, 75MM LONG, S-160	1	I70441473	1
7	FLANGE SW, B16.5, CL 300, RF, A182 GR.F11 CL.2, S-160	1	I70441504	6
8	BLIND FLANGE, B16.5, CL 300, RF, A182 GR.F11 CL.2	1	I70256231	1
9	GATE VALVE, API 602, CL 800, SWE, BB OS&Y, HW-OPERATOR, A182 GR.F11 CL.2, TRIM 13CR W/STELLITE SEATS, SOLID WEDGE, W/S -160 NIPPLE PE L=150MM, PWHT	1	I529416798	3
10	GATE VALVE, API 602, CL 300, RF, BB OS&Y, HW-OPERATOR, A182 GR.F11 CL.2, TRIM 13CR W/STELLITE SEATS, SOLID WEDGE, B16.5	1	I168393498	1
11	STUD BOLT W/2 HEAVY HEX NUTS, B18.2.2, A193 B16 / A194 4, 85.0MM	5/8	I46552009	12
12	STUD BOLT W/2 HEAVY HEX NUTS, B18.2.2, A193 B16 / A194 4, 100.0MM	5/8	I46552005	8
13	GASKET SPIRAL WOUND, B16.20, CL 300, RF, 316SS, THERMICULITE 835 FILL, 316SS CR & IR, B16.5, 4.5T	1	I218141891	7
14	GSL5-A-L200	1	PSUPPORT	1
15	BC7-2-300-250-0	1	PSUPPORT	2
16	SL5-A-L200	1	PSUPPORT	1

NPS	MAT'L CLASS	OPER. PRESS. (kg/cm2g)	OPER. TEMP. (°c)	DESIGN PRESS. (kg/cm2g)	DESIGN TEMP. (°c)	TEST PRESS. (kg/cm2g)	TEST MEDIUM	INSULATION TYPE	INSULATION TH'K (mm)	PAINT CODE	PWHT	NDE
1"	E2A2E	27.4	330	31.5	360	59.66	HYDRO	H	100MM	F	Y	100
1"	E2A2E	27.4	330	31.5	360	0	VISUAL	H	100MM	F	Y	100

REV.	DATE	DESCRIPTION	BY	CHECK'D	APPR'D
0	31-AUG-16	ISSUED FOR CONSTRUCTION	STC	BSK	HJP
1	27-APR-17	REVISED AS MARKED	STC	BSK	HJP
2	30-MAY-18	REVISED AS MARKED	STC	BSK	HJP

P&ID NO.	AA00-PID-0021-023	UNIT NO.	00	STRESS	NO
GAD NO.	00-DW-PI-1101	LINE NO.	1"-SER-00023018-E2A2E-H		
DWG NO.	U00A-SER-00023018-01			REV.	0