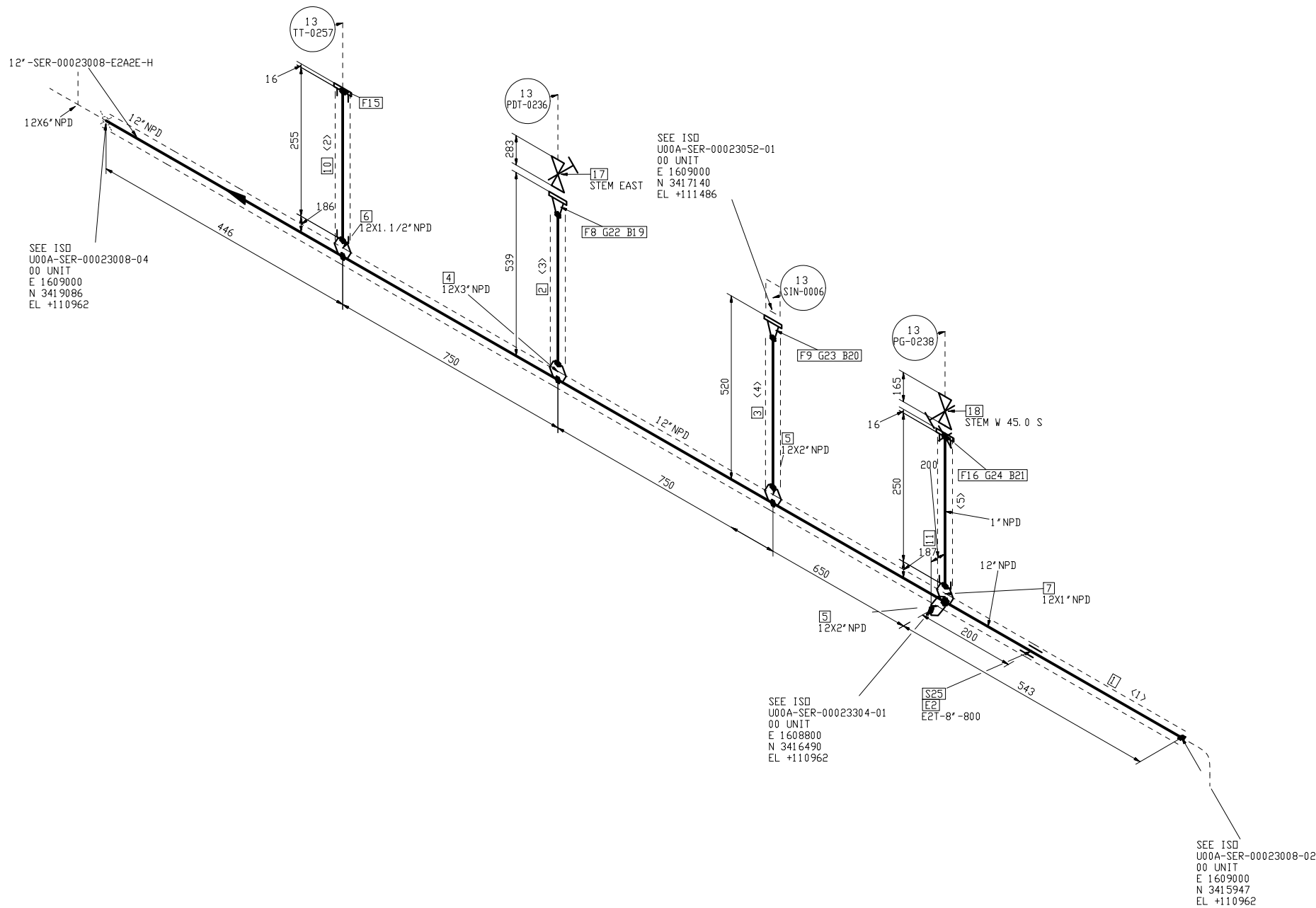


FABRICATION MATERIALS

NO	COMPONENT DESCRIPTION	SIZE	ITEM CODE	QTY
1	PIPE, B36.10M, BE, A335 GR. P11, SMLS, S-XS	12	170441245	3.2 M
2	PIPE, B36.10M, BE, A335 GR. P11, SMLS, S-80	3	170441417	0.3 M
3	PIPE, B36.10M, BE, A335 GR. P11, SMLS, S-80	2	171011672	0.3 M
4	WELDOLET, MSS SP-97, BE, A182 GR. F11 CL. 2, S-XS X S-80	12X3	170528198	1
5	WELDOLET, MSS SP-97, BE, A182 GR. F11 CL. 2, S-XS X S-80	12X2	1168512800	2
6	SOCKOLET, MSS SP-97, CL 6000, SWE, A182 GR. F11 CL. 2	12X1.1/2	11328485	1
7	SOCKOLET, MSS SP-97, CL 6000, SWE, A182 GR. F11 CL. 2	12X1	11328483	1
8	FLANGE WN, B16.5, CL 300, RF, A182 GR. F11 CL. 2, S-80	3	170441649	1
9	FLANGE WN, B16.5, CL 300, RF, A182 GR. F11 CL. 2, S-80	2	192191691	1

NO	COMPONENT DESCRIPTION	SIZE	ITEM CODE	QTY
10	PIPE, B36.10M, PE, A335 GR. P11, SMLS, S-160	1.1/2	170441216	0.3 M
11	PIPE, B36.10M, PE, A335 GR. P11, SMLS, S-160	1	170441203	0.3 M
12	INSTRUMENT	3	13-PDT-0236	1
13	INSTRUMENT	1.1/2	13-TT-0257	1
14	INSTRUMENT	1	13-PG-0238	1
15	FLANGE SW, B16.5, CL 300, RF, A182 GR. F11 CL.2, S-160	1.1/2	170441517	1
16	FLANGE SW, B16.5, CL 300, RF, A182 GR. F11 CL.2, S-160	1	170441504	1
17	GATE VALVE, API 600, CL 300, RF, BB DS&Y, HW-OPERATOR, A217 GR. WC6, TRIM 13CR W/STELLITE SEATS, FLEXIBLE WEDGE, B16.5	3	1238839895	1
18	GATE VALVE, API 602, CL 300, RF, BB DS&Y, HW-OPERATOR, A182 GR. F11 CL.2, TRIM 13CR W/STELLITE SEATS, SOLID WEDGE, B16.5	1	1168393498	1
19	STUD BOLT W/2 HEAVY HEX NUTS, B18.2.2, A193 B16 / A194 4, 1 15.0MM	3/4	133182179	8
20	STUD BOLT W/2 HEAVY HEX NUTS, B18.2.2, A193 B16 / A194 4, 9 5.0MM	5/8	146552011	8
21	STUD BOLT W/2 HEAVY HEX NUTS, B18.2.2, A193 B16 / A194 4, 8 5.0MM	5/8	146552009	4
22	GASKET SPIRAL WOUND, B16.20, CL 300, RF, 316SS, THERMICULIT E 835 FILL, 316SS CR & IR, B16.5, 4.5T	3	1218141900	1
23	GASKET SPIRAL WOUND, B16.20, CL 300, RF, 316SS, THERMICULIT E 835 FILL, 316SS CR & IR, B16.5, 4.5T	2	1218141898	1
24	GASKET SPIRAL WOUND, B16.20, CL 300, RF, 316SS, THERMICULIT E 835 FILL, 316SS CR & IR, B16.5, 4.5T	1	1218141891	1
25	E2T-8"-800	12	PSUPPDR	1



NPS	MAT'L CLASS	OPER.		DESIGN		TEST		INSULATION		PAINT CODE	PWHT	NDE																			
		PRESS. (kg/cm2g)	TEMP. (°c)	PRESS. (kg/cm2g)	TEMP. (°c)	PRESS. (kg/cm2g)	MEDIUM	TYPE	TH'K (mm)																						
12"	E2A2E	27.4	330	31.5	360	59.66	HYDRO	H	225MM	F	Y	100																			
1 1/2"	E2A2E	27.4	330	31.5	360	59.66	HYDRO	H	225MM	F	Y	100																			
3"	E2A2E	27.4	330	31.5	360	59.66	HYDRO	H	225MM	F	Y	100																			
2"	E2A2E	27.4	330	31.5	360	59.66	HYDRO	H	225MM	F	Y	100																			
1'	E2A2E	27.4	330	31.5	360	59.66	HYDRO	H	225MM	F	Y	100																			
													0	30-JUN-16	ISSUED FOR CONSTRUCTION	STC	BSK	HJP	P&ID NO.	AA00-PID-0021-023			UNIT NO.	00	STRESS	YES					
																			GAD NO.	00-DW-PI-1104			LINE NO.	12"-SER-00023008-E2A2E-H							
													REV.	DATE	DESCRIPTION	BY	CHECK'D	APPR'D	DWG NO.	U00A-SER-00023008-03										REV.	0