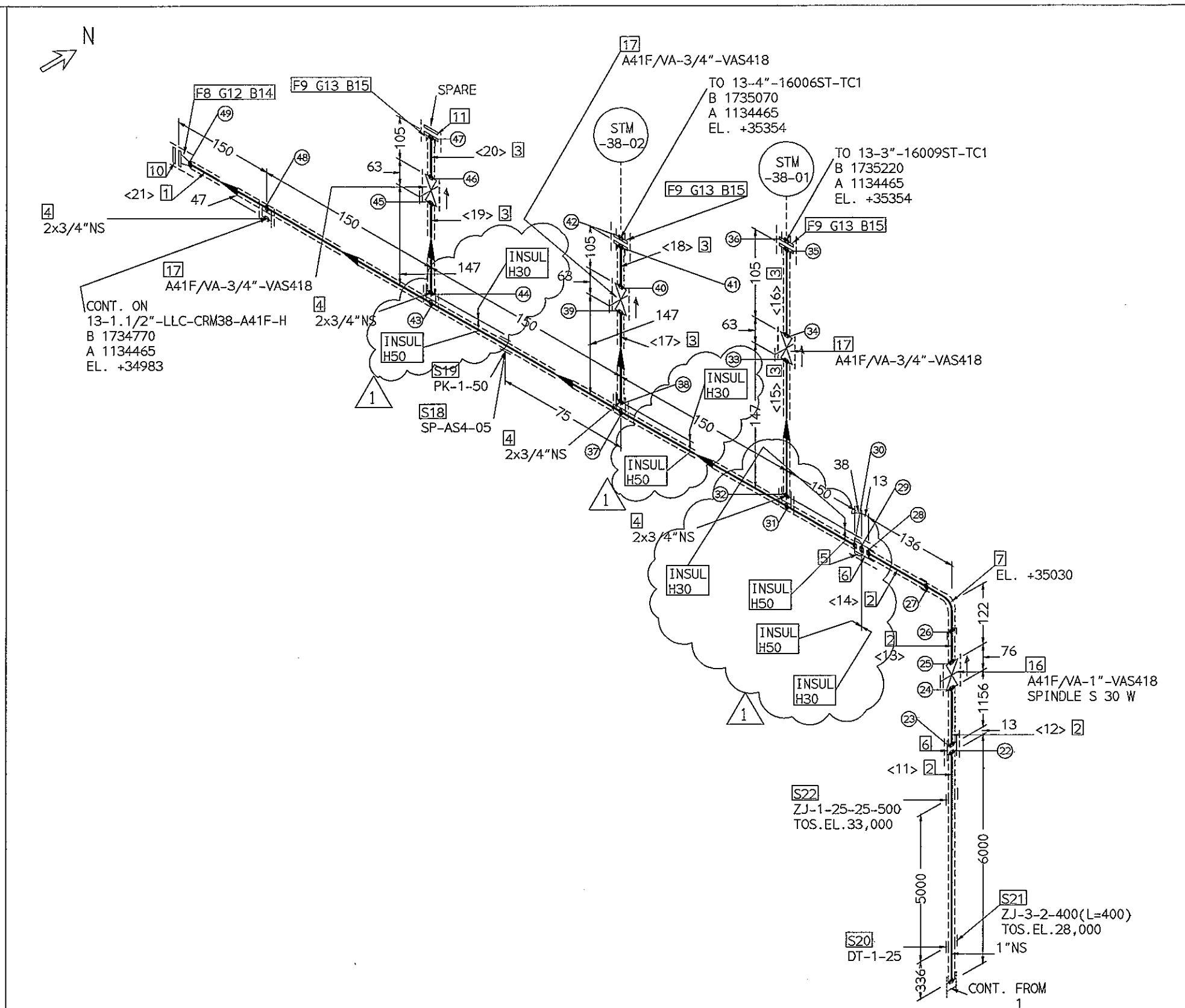


FABRICATION MATERIALS				
PT NO	DESCRIPTION & MATERIAL	N.S. (INS)	ITEM CODE	QTY
PIPE				
1	PIPE A106 GR.B SCH40 SMLS BE ASME B36.10M	2	A41F/P-2"-40	0.7M
2	PIPE A106 GR.B SCH80 SMLS PE ASME B36.10M	1	A41F/P-1"-80	7.4M
3	PIPE A106 GR.B SCH80 SMLS PE ASME B36.10M	3/4	A41F/P-3/4"-80	0.6M
FITTINGS				
4	HALF COUPLING CL3000 SW A105 ASME B16.11	2 x 3/4	A41F/CHS-2"x3/4"	4
5	CAP A234 GR.WPB SCH40 SMLS BW ASME B16.9	2	A41F/CB-2"	1
6	FULL COUPLING CL3000 SW A105 ASME B16.11	1	A41F/CFS-1"	2
7	90 DEG. ELBOW CL3000 SW A105 ASME B16.11	1	A41F/ES-1"x90	1
FLANGES				
8	FLANGE CL150 RF WN A105 SCH40 BORE ASME B16.5	2	A41F/WFR-2"	1
9	FLANGE CL150 RF SW A105 SCH80 BORE ASME B16.5	3/4	A41F/FR-3/4"	5
ERECTION MATERIALS				
PT NO	DESCRIPTION & MATERIAL	N.S. (INS)	ITEM CODE	QTY
FLANGES				
10	BLIND FLANGE CL150 RF A105 ASME B16.5	2	A41F/FBR-2"	1
11	BLIND FLANGE CL150 RF A105 ASME B16.5	3/4	A41F/FBR-3/4"	1
GASKETS				
12	GASKET CL150 RF 4.5mm 316SS SPIRAL WOUND FILLER FLEXIBLE GRAPHITE INNER RING 316SS OUTER RING LOW CS (G214ACM) ASME B16.20	2	A41F/GR-2"-G214ACM	1
13	GASKET CL150 RF 4.5mm 316SS SPIRAL WOUND FILLER FLEXIBLE GRAPHITE INNER RING 316SS OUTER RING LOW CS (G214ACM) ASME B16.20	3/4	A41F/GR-3/4"-G214ACM	3
BOLTS				
14	100 MM LONG STUD BOLT . M16 A193 GR.B7 W/HEX HEAD HEAVY NUT A194 GR.2H		A41F/BSF-2"-100	4
15	70 MM LONG STUD BOLT . M12 A193 GR.B7 W/HEX HEAD HEAVY NUT A194 GR.2H		A41F/BSF-3/4"-70	12
COMPONENTS				
16	GATE VALVE CL800 SW A105 BODY #8 TRIM SOLID WEDGE OS&Y BB API602 BY MFR (VAS418)	1	A41F/VA-1"-VAS418	1
17	GATE VALVE CL800 SW A105 BODY #8 TRIM SOLID WEDGE OS&Y BB API602 BY MFR (VAS418)	3/4	A41F/VA-3/4"-VAS418	3
SUPPORTS				
18	SPECIAL SUPPORT (SP-AS4-05)	2	SUP/AS4-2"	1
19	PIPE SUPPORT (PK-1-50)	2	SUP/PK-1-2"	1
20	PIPE SUPPORT (DT-1-25)	1	SUP/DT-1-1"	1
21	PIPE SUPPORT (ZJ-3-2-400(L=400) TOS.EL.28,000)	1	SUP/ZJ-3-2-1"	1
22	PIPE SUPPORT (ZJ-1-25-25-500 TOS.EL.33,000)	1	SUP/ZJ-1-1"	1



REVISED FOR CONSTRUCTION

October 20, 2011

						OPR. PRESS.: 0.45 MPa(G)	OPR. TEMP.: 155 °C	CLASS: A41F	DWN. C.T.LEE	08/31/2011	REVIEWED	富台工程股份有限公司 FU-TAI ENGINEERING CO., LTD. 腾龙芳烃(漳州)80万吨/年对二甲苯工程 CSU/VDU 装置			
						DES. PRESS.: 0.6/FV MPa(G)	DES. TEMP.: 175 °C	INSULATION : H30	DESN. K.W.CHANG	08/31/2011					
						HYDRO TEST: WATER 0.9 MPa(G)	PWHT : NO	TRACING : ---	CHK. Y.C.CHOU	08/31/2011					
	10/20/2011	REV. FOR CONSTRUCTION	C.T.LEE	Y.C.CHOU	A.F.WU	PAINTING : PER SPEC.	STEAM OUT: NO	RT : 10	APPR. A.F.WU	08/31/2011					
	08/31/2011	FOR CONSTRUCTION	C.T.LEE	Y.C.CHOU	A.F.WU	WELDED  FIELD WELDED  SOCKET  THREAD  COUPLING  FIELD CONN.  SUPPORT  STEAM TRACE  INSULATION 	DWG NO.: 135B/C, 136A/B		CONTRACT: C192502		LINE NO. :		SHT.	ISSUE	
REV. NO.	DATE	REVISION DESCRIPTION	BY	CHK.	APPR.			DIA. NO.: 1208-036/016		FILE NO.: 13-LLSSTM38-2		13-1"-LLS-STM38-A41F-H		2 OF 3	1