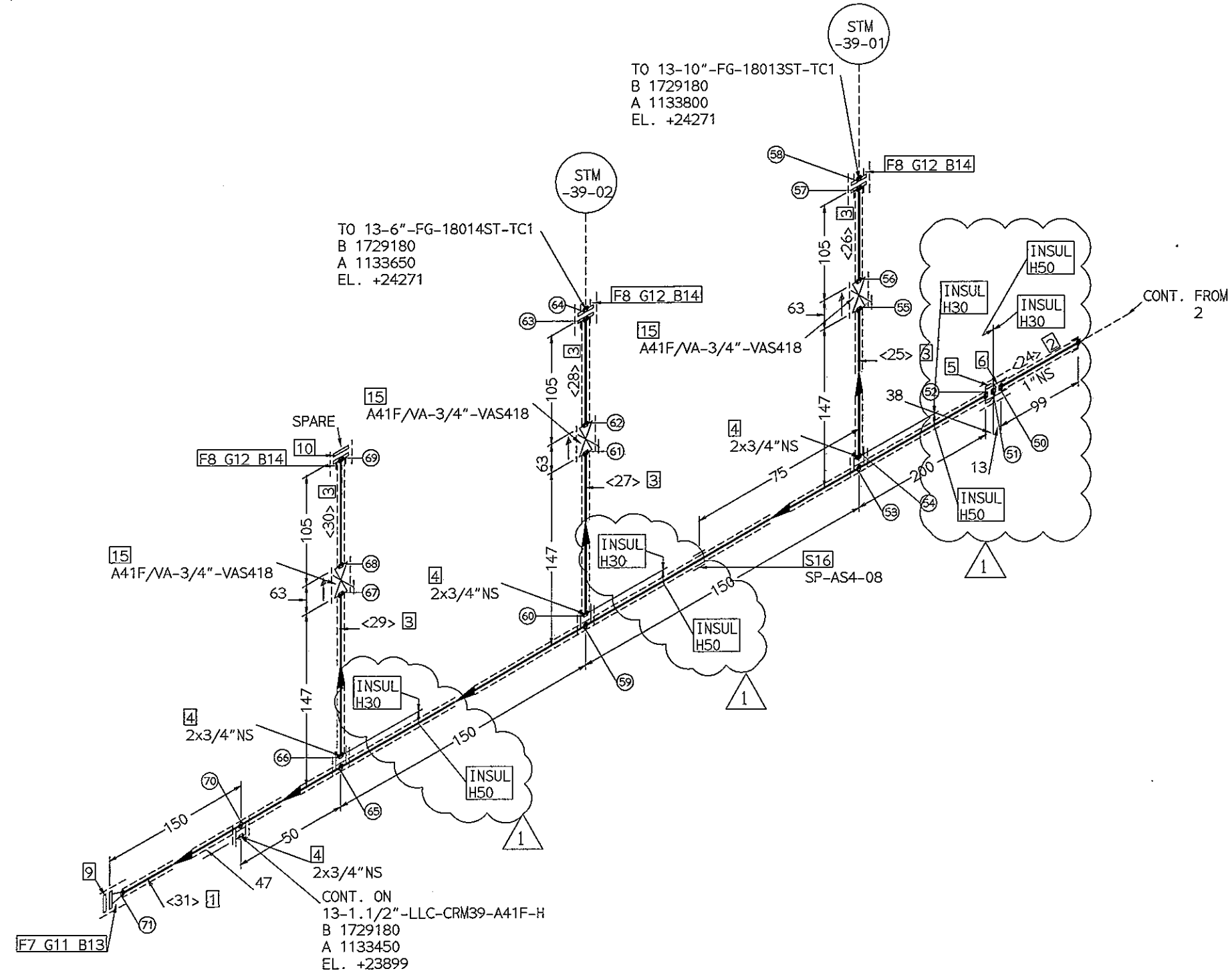
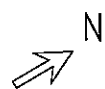


FABRICATION MATERIALS				
PT NO	DESCRIPTION & MATERIAL	N.S. (INS)	ITEM CODE	QTY
PIPE				
1	PIPE A106 GR.B SCH40 SMLS BE ASME B36.10M	2	A41F/P-2"-40	0.7M
2	PIPE A106 GR.B SCH80 SMLS PE ASME B36.10M	1	A41F/P-1"-80	0.1M
3	PIPE A106 GR.B SCH80 SMLS PE ASME B36.10M	3/4	A41F/P-3/4"-80	0.6M
FITTINGS				
4	HALF 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"	1
FLANGES				
7	FLANGE CL150 RF WN A105 SCH40 BORE ASME B16.5	2	A41F/WFR-2"	1
8	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				
9	BLIND FLANGE CL150 RF A105 ASME B16.5	2	A41F/FBR-2"	1
10	BLIND FLANGE CL150 RF A105 ASME B16.5	3/4	A41F/FBR-3/4"	1
GASKETS				
11	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
12	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				
13	100 MM LONG STUD BOLT . M16 A193 GR.B7 W/HEX HEAD HEAVY NUT A194 GR.2H		A41F/BSF-2"-100	4
14	70 MM LONG STUD BOLT . M12 A193 GR.B7 W/HEX HEAD HEAVY NUT A194 GR.2H		A41F/BSF-3/4"-70	12
COMPONENTS				
15	GATE VALVE CL800 SW A105 BODY #8 TRIM SOLID WEDGE OS&Y BB AP1602 BY MFR (VAS418)	3/4	A41F/VA-3/4"-VAS418	3
SUPPORTS				
16	SPECIAL SUPPORT (SP-AS4-08)	2	SUP/AS4-2"	1

CUT PIPE LENGTH							
PIECE NO	CUT LENGTH	N.S. (INS)	REMARKS	PIECE NO	CUT LENGTH	N.S. (INS)	REMARKS
<24>	99	1		<25>	100	3/4	
<26>	100	3/4		<27>	100	3/4	
<28>	100	3/4		<29>	100	3/4	
<30>	100	3/4		<31>	637	2	



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.: 1338/C/D/E		CONTRACT: C192502	LINE NO.:	SHT. 4 OF 4	ISSUE 1
REV. NO.	DATE	REVISION DESCRIPTION	BY	CHK.	APPR.				DIA. NO.: 1208-036/018		FILE NO.: 13-LLSSTM39-4	13-1"-LLS-STM39-A41F-H		