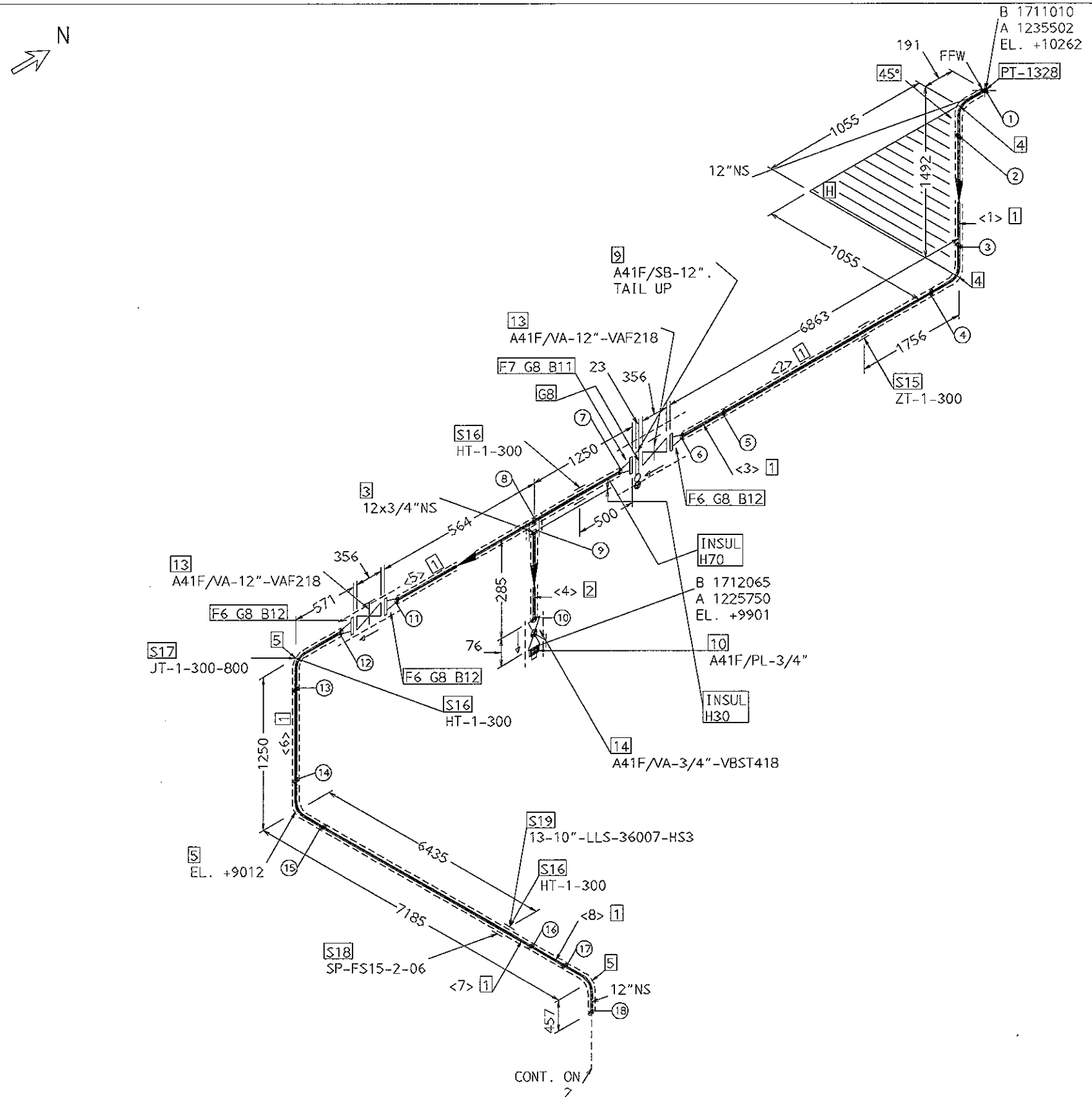


FABRICATION MATERIALS				
PT NO	DESCRIPTION & MATERIAL	N.S. (INS)	ITEM CODE	QTY
<u>PIPE</u>				
1	PIPE A106 GR.B SCH20 SMLS BE ASME B36.10M	12	A41F/P-12"-20	15.9M
2	PIPE A106 GR.B SCH80 SMLS PE ASME B36.10M	3/4	A41F/P-3/4"-80	0.1M
<u>FITTINGS</u>				
3	HALF COUPLING CL3000 SW A105 ASME B16.11	12 x 3/4	A41F/CHS-12"x3/4"	1
4	45 DEG. ELBOW LR A234 GR.WPB SCH20 SMLS BW ASME B16.9	12	A41F/EB-12"x45	2
5	90 DEG. ELBOW LR A234 GR.WPB SCH20 SMLS BW ASME B16.9	12	A41F/EB-12"x90	3
<u>FLANGES</u>				
6	FLANGE CL150 RF WN A105 SCH20 BORE ASME B16.5	12	A41F/WFR-12"	3
7	FLANGE CL150 RF WN A105 SCH20 BORE ASME B16.5 A3.0755.21 (WITH JACK BOLT)	12	A41F/WFRJ-12"	1
<u>GASKETS</u>				
8	GASKET CL150 RF 4.5mm 316SS SPIRAL WOUND FILLER FLEXIBLE GRAPHITE INNER RING 316SS OUTER RING LOW CS (G214ACM) ASME B16.20	12	A41F/GR-12"-G214ACM	5
<u>ERECTION MATERIALS</u>				
PT NO	DESCRIPTION & MATERIAL	N.S. (INS)	ITEM CODE	QTY
<u>FITTINGS</u>				
9	SPACER & BLANK CL150 RF A105 A3.0755.61	12	A41F/SB-12"	1
10	PLUG A105 HEXAGONAL TYPE SCRD(M-NPT) ASME B16.11	3/4	A41F/PL-3/4"	1
<u>BOLTS</u>				
11	150 MM LONG STUD BOLT . M22 A193 GR.B7 W/HEX HEAD HEAVY NUT A194 GR.2H		A41F/BSF-12"-150	12
12	120 MM LONG STUD BOLT . M22 A193 GR.B7 W/HEX HEAD HEAVY NUT A194 GR.2H		A41F/BSF-12"-120	36
<u>COMPONENTS</u>				
13	GATE VALVE CL150 RF A216 GR.WCB BODY #8 TRIM FLEXIBLE WEDGE OS&Y BB ASME B16.10 API600 (VAF218)	12	A41F/VA-12"-VAF218	2
14	GLOBE VALVE CL800 SW/SCRD(NPT) A105 BODY #8 TRIM LOOSE DISC OS&Y BB API602 BY MFR (VBST418)	3/4	A41F/VA-3/4"-VBST418	1
<u>SUPPORTS</u>				
15	PIPE SUPPORT (ZT-1-300)	12	SUP/ZT-1-12"	1
16	PIPE SUPPORT (HT-1-300)	12	SUP/HT-1-12"	3
17	PIPE SUPPORT (JT-1-300-800)	12	SUP/JT-1-12"	1
18	SPECIAL SUPPORT (SP-FS15-2-06)	12	SUP/FS15-2-12"	1
19	SPECIAL SUPPORT (13-10"-LLS-36007-HS3)	12	SUP/HS-12"	1

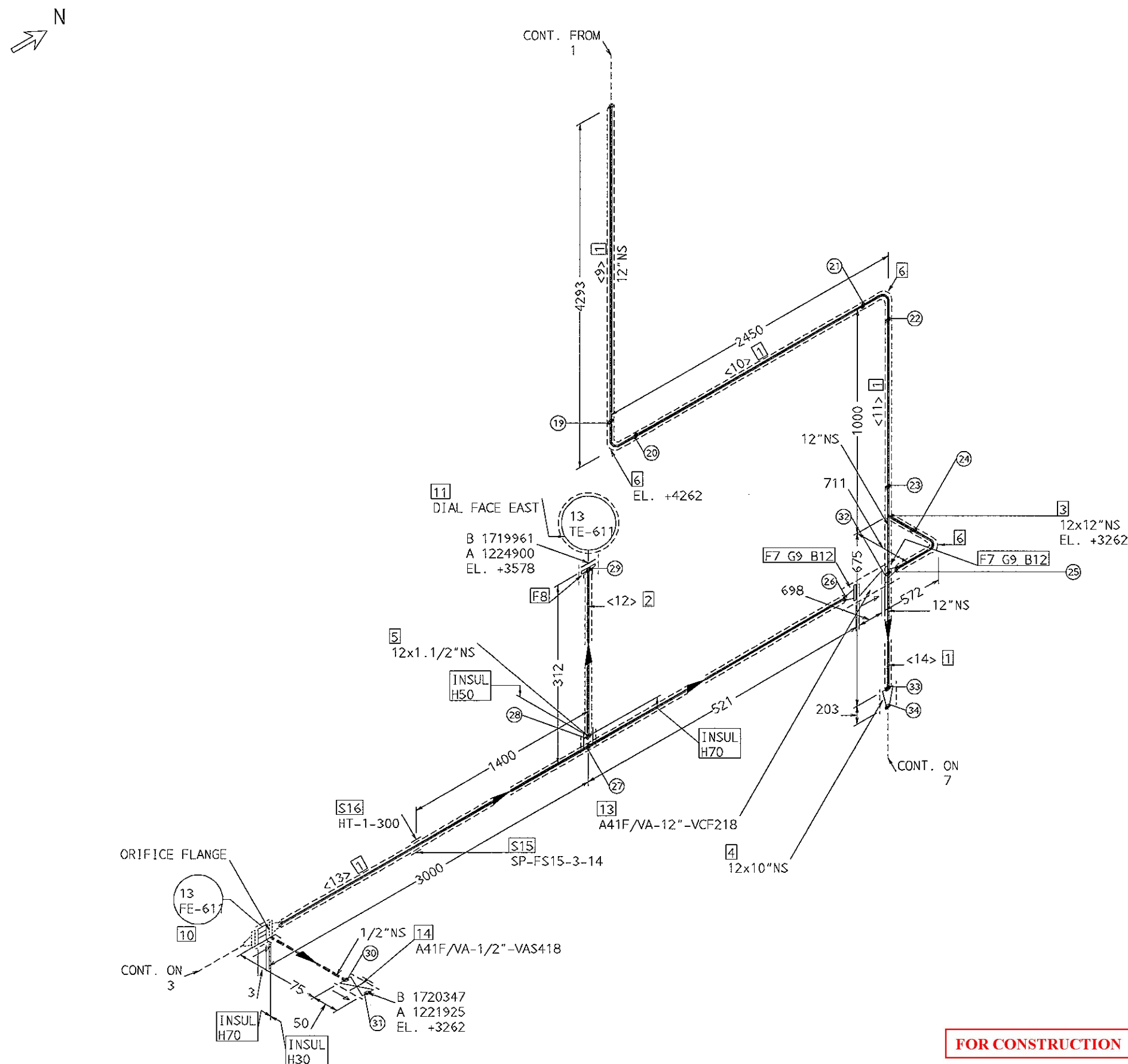


FOR CONSTRUCTION

						OPR. PRESS.: 0.45 MPa(G)	OPR. TEMP.: 155 °C	CLASS: A41F	DWN.	Y.M.LU	06/01/2011	REVIEWED		富台工程股份有限公司 FU-TAI ENGINEERING CO., LTD.		
						DES. PRESS.: 0.6/FV MPa(G)	DES. TEMP.: 175 °C	INSULATION : H70	DES.N.	D.H.LEE	06/01/2011					
						HYDRO TEST: WATER 0.9 MPa(G)	PWHT : NO	TRACING : ---	CHK.	Y.C.CHOU	06/01/2011					
	07/08/2011	FOR CONSTRUCTION	Y.M.LU	Y.C.CHOU	A.F.WU	PAINTING : PER SPEC.	STEAM OUT: NO	RT : 10	APPR.	A.F.WU	06/01/2011					
	06/01/2011	FOR APPROVAL	Y.M.LU	Y.C.CHOU	A.F.WU		DWG NO.: 310C			CONTRACT: C192502		LINE NO.:		SHT.	ISSUE	
REV. NO.	DATE	REVISION DESCRIPTION	BY	CHK.	APPR.								FILE NO.: 13-LLS36007-1	13-12"-LLS-36007-A41F-H	1 OF 12	0

FABRICATION MATERIALS				
PT NO	DESCRIPTION & MATERIAL	N.S. (INS)	ITEM CODE	QTY
PIPE				
1	PIPE A106 GR.B SCH20 SMLS BE ASME B36.10M	12	A41F/P-12"-20	9.4M
2	PIPE A106 GR.B SCH80 SMLS PE ASME B36.10M	1.1/2	A41F/P-1.1/2"-80	0.2M
FITTINGS				
3	TEE A234 GR.WPB SCH20 SMLS BW ASME B16.9	12 x 12	A41F/TB-12"	1
4	REDUCER CONC A234 GR.WPB SCH20 SMLS BW ASME B16.9	12 x 10	A41F/RC-12"x10"	1
5	HALF COUPLING CL3000 SW A105 ASME B16.11	12 x 1.1/2	A41F/CHS-12"x1.1/2"	1
6	90 DEG. ELBOW LR A234 GR.WPB SCH20 SMLS BW ASME B16.9	12	A41F/EB-12"x90	3
FLANGES				
7	FLANGE CL150 RF WN A105 SCH20 BORE ASME B16.5	12	A41F/WFR-12"	2
8	FLANGE CL300 RF SW A105 SCH80 BORE ASME B16.5	1.1/2	A41F/FR3-1.1/2"	1
GASKETS				
9	GASKET CL150 RF 4.5mm 316SS SPIRAL WOUND FILLER FLEXIBLE GRAPHITE INNER RING 316SS OUTER RING LOW CS (G214ACM) ASME B16.20	12	A41F/GR-12"-G214ACM	2
INSTRUMENTS				
10	ORIFICE CL300 13 FE-611	12		1
11	INSTRUMENT CL300 RF 13 TE-611	1.1/2		1
ERECTION MATERIALS				
PT NO	DESCRIPTION & MATERIAL	N.S. (INS)	ITEM CODE	QTY
BOLTS				
12	120 MM LONG STUD BOLT . M22 A193 GR.B7 W/HEX HEAD HEAVY NUT A194 GR.2H		A41F/BSF-12"-120	24
COMPONENTS				
13	CHECK VALVE CL150 RF A216 GR.WCB BODY #8 TRIM SWING BC ASME B16.10 API600 (VCF218)	12	A41F/VA-12"-VCF218	1
14	GATE VALVE CL800 SW A105 BODY #8 TRIM SOLID WEDGE OS&Y BB API602 BY MFR (VAS418)	1/2	A41F/VA-1/2"-VAS418	1
SUPPORTS				
15	SPECIAL SUPPORT (SP-FS15-3-14)	12	SUP/FS15-3-12"	1
16	PIPE SUPPORT (HT-1-300)	12	SUP/HT-1-12"	1

CUT PIPE LENGTH						
PIECE NO	CUT LENGTH	N.S. (INS)	REMARKS	PIECE NO	CUT LENGTH	N.S. (INS)
<9>	3836	12		<10>	1536	12
<11>	289	12		<12>	106	1.1/2
<13>	3277	12		<14>	421	12



FOR CONSTRUCTION

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△						OPR. PRESS.: 0.45 MPa(G)	OPR. TEMP.: 155 °C	CLASS: A41F	DWN. Y.M.LU	06/01/2011	REVIEWED	 富台工程股份有限公司 FU-TAI ENGINEERING CO., LTD.			
△						DES. PRESS.: 0.6/FV MPa(G)	DES. TEMP.: 175 °C	INSULATION: H70	DESN. D.H.LEE	06/01/2011					
△						HYDRO TEST: WATER 0.9 MPa(G)	PWHT: NO	TRACING: ---	CHK. Y.C.CHOU	06/01/2011					
△	07/08/2011	FOR CONSTRUCTION	Y.M.LU	Y.C.CHOU	A.F.WU	PAINTING: PER SPEC.	STEAM OUT: NO	RT: 10	APPR. A.F.WU	06/01/2011					
△	06/01/2011	FOR APPROVAL	Y.M.LU	Y.C.CHOU	A.F.WU	WELDED FIELD WELDED SOCKET THREAD COUPLING FIELD CONN. SUPPORT STEAM TRACE INSULATION			DWG NO.: 310C		CONTRACT: C192502	LINE NO.:	SHT.	ISSUE	
REV. NO.	DATE	REVISION DESCRIPTION	BY	CHK.	APPR.				DIA. NO.: 1208-036/3390-020		FILE NO.: 13-LLS36007-2	13-12"-LLS-36007-A41F-H		2 OF 12	0

FABRICATION MATERIALS

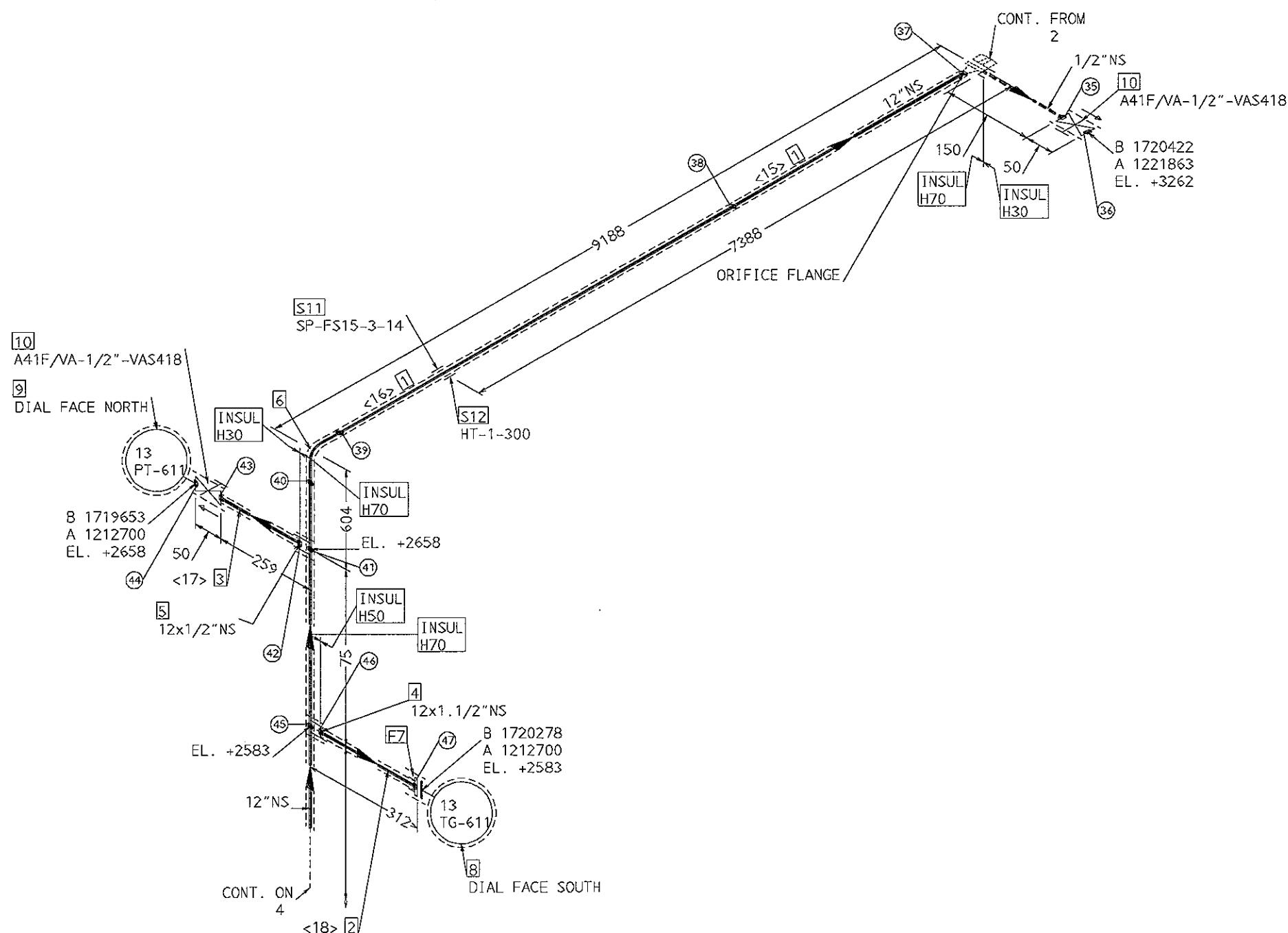
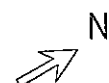
PT NO	DESCRIPTION & MATERIAL	N.S. (INS)	ITEM CODE	QTY
PIPE				
1	PIPE A106 GR.B SCH20 SMLS BE ASME B36.10M	12	A41F/P-12"-20	8.9M
2	PIPE A106 GR.B SCH80 SMLS PE ASME B36.10M	1.1/2	A41F/P-1.1/2"-80	0.2M
3	PIPE A106 GR.B SCH80 SMLS PE ASME B36.10M	1/2	A41F/P-1/2"-80	0.1M
FITTINGS				
4	HALF COUPLING CL3000 SW A105 ASME B16.11	12 x 1.1/2	A41F/CHS-12"x1.1/2"	1
5	HALF COUPLING CL3000 SW A105 ASME B16.11	12 x 1/2	A41F/CHS-12"x1/2"	1
6	90 DEG. ELBOW LR A234 GR.WPB SCH20 SMLS BW ASME B16.9	12	A41F/EB-12"x90	1
FLANGES				
7	FLANGE CL300 RF SW A105 SCH80 BORE ASME B16.5	1.1/2	A41F/FR3-1.1/2"	1
INSTRUMENTS				
8	INSTRUMENT CL300 RF 13 TG-611	1.1/2		1
9	INSTRUMENT SW 13 PT-611	1/2		1

ERECTION MATERIALS

PT NO	DESCRIPTION & MATERIAL	N.S. (INS)	ITEM CODE	QTY
COMPONENTS				
10	GATE VALVE CL800 SW A105 BODY #8 TRIM SOLID WEDGE OS&Y BB API602 BY MFR (VAS418)	1/2	A41F/VA-1/2"-VAS418	2
SUPPORTS				
11	SPECIAL SUPPORT (SP-FS15-3-14)	12	SUP/FS15-3-12"	1
12	PIPE SUPPORT (HT-1-300)	12	SUP/HT-1-12"	1

CUT PIPE LENGTH

PIECE NO	CUT LENGTH	N.S. (INS)	REMARKS	PIECE NO	CUT LENGTH	N.S. (INS)	REMARKS
<15>	2601	12		<16>	6000	12	
<17>	75	1/2		<18>	107	1.1/2	



FOR CONSTRUCTION

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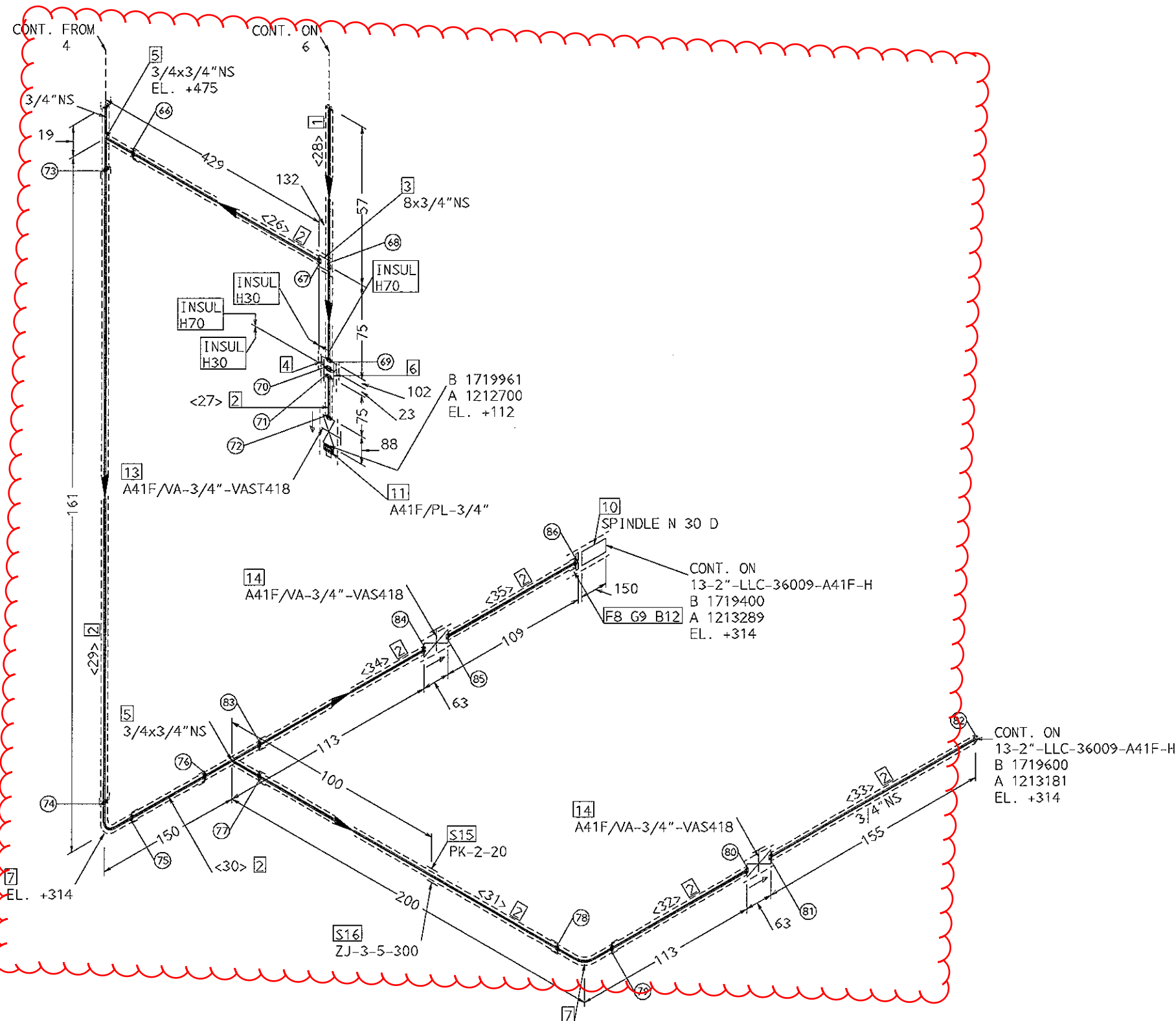
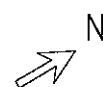
△						OPR. PRESS.: 0.45 MPa(G)	OPR. TEMP.: 155 °C	CLASS: A41F	DWN.	Y.M.LU	06/01/2011	REVIEWED	富台工程股份有限公司 FU-TAI ENGINEERING CO., LTD.	
△						DES. PRESS.: 0.6/FV MPa(G)	DES. TEMP.: 175 °C	INSULATION : H70	DESN.	D.H.LEE	06/01/2011			
△						HYDRO TEST: WATER 0.9 MPa(G)	PWHT : NO	TRACING : ---	CHK.	Y.C.CHOU	06/01/2011			
△	07/08/2011	FOR CONSTRUCTION	Y.M.LU	Y.C.CHOU	A.F.WU	PAINTING : PER SPEC.	STEAM OUT: NO	RT : 10	APPR.	A.F.WU	06/01/2011			腾龙芳烃(漳州)80万吨/年对二甲苯工程 CSU/VDU 装置
A	06/01/2011	FOR APPROVAL	Y.M.LU	Y.C.CHOU	A.F.WU	WELDED FIELD WELDED SOCKET THREAD COUPLING FIELD CONN. SUPPORT STEAM TRACE INSULATION			DWG NO.: 310C		CONTRACT: C192502	LINE NO.:	SHT.	ISSUE
REV. NO.	DATE	REVISION DESCRIPTION	BY	CHK.	APPR.				DIA. NO.: 1208-036/3390-020		FILE NO.: 13-LLS36007-3	13-12"-LLS-36007-A41F-H	3 OF 12	0

FABRICATION MATERIALS

PT NO	DESCRIPTION & MATERIAL	N.S. (INS)	ITEM CODE	QTY
PIPE				
1	PIPE A106 GR.B SCH20 SMLS BE ASME B36.10M	8	A41F/P-8"-20	0.2M
2	PIPE A106 GR.B SCH80 SMLS PE ASME B36.10M	3/4	A41F/P-3/4"-80	1.4M
FITTINGS				
3	HALF COUPLING CL3000 SW A105 ASME B16.11	8 x 3/4	A41F/CHS-8"x3/4"	1
4	CAP A234 GR.WPB SCH20 SMLS BW ASME B16.9	8	A41F/CB-8"	1
5	TEE CL3000 SW A105 ASME B16.11	3/4 x 3/4	A41F/TS-3/4"	2
6	HALF COUPLING CL3000 SW A105 ASME B16.11	3/4	A41F/CHS-3/4"	1
7	90 DEG. ELBOW CL3000 SW A105 ASME B16.11	3/4	A41F/ES-3/4"x90	2
FLANGES				
8	FLANGE CL150 RF SW A105 SCH80 BORE ASME B16.5	3/4	A41F/FR-3/4"	1
GASKETS				
9	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	1
INSTRUMENTS				
10	TRAP CL150 RF	3/4	A41F/TRAP-3/4"	1
ERECTION MATERIALS				
PT NO	DESCRIPTION & MATERIAL	N.S. (INS)	ITEM CODE	QTY
FITTINGS				
11	PLUG A105 HEXAGONAL TYPE SCRD(M-NPT) ASME B16.11	3/4	A41F/PL-3/4"	1
BOLTS				
12	70 MM LONG STUD BOLT . M12 A193 GR.B7 W/HEX HEAD HEAVY NUT A194 GR.2H		A41F/BSF-3/4"-70	4
COMPONENTS				
13	GATE VALVE CL800 SW/SCRD(NPT) A105 BODY #8 TRIM SOLID WEDGE OS&Y BB API602 BY MFR (VAST418)	3/4	A41F/VA-3/4"-VAST418	1
14	GATE VALVE CL800 SW A105 BODY #8 TRIM SOLID WEDGE OS&Y BB API602 BY MFR (VAS418)	3/4	A41F/VA-3/4"-VAS418	2
SUPPORTS				
15	PIPE SUPPORT (PK-2-20)	3/4	SUP/PK-2-3/4"	1
16	PIPE SUPPORT (ZJ-3-5-300)	3/4	SUP/ZJ-3-3/4"	1

CUT PIPE LENGTH

PIECE NO	CUT LENGTH	N.S. (INS)	REMARKS	PIECE NO	CUT LENGTH	N.S. (INS)	REMARKS
<26>	410	3/4		<27>	75	3/4	
<28>	132	8		<29>	123	3/4	
<30>	112	3/4		<31>	162	3/4	
<32>	94	3/4		<33>	155	3/4	
<34>	94	3/4		<35>	104	3/4	



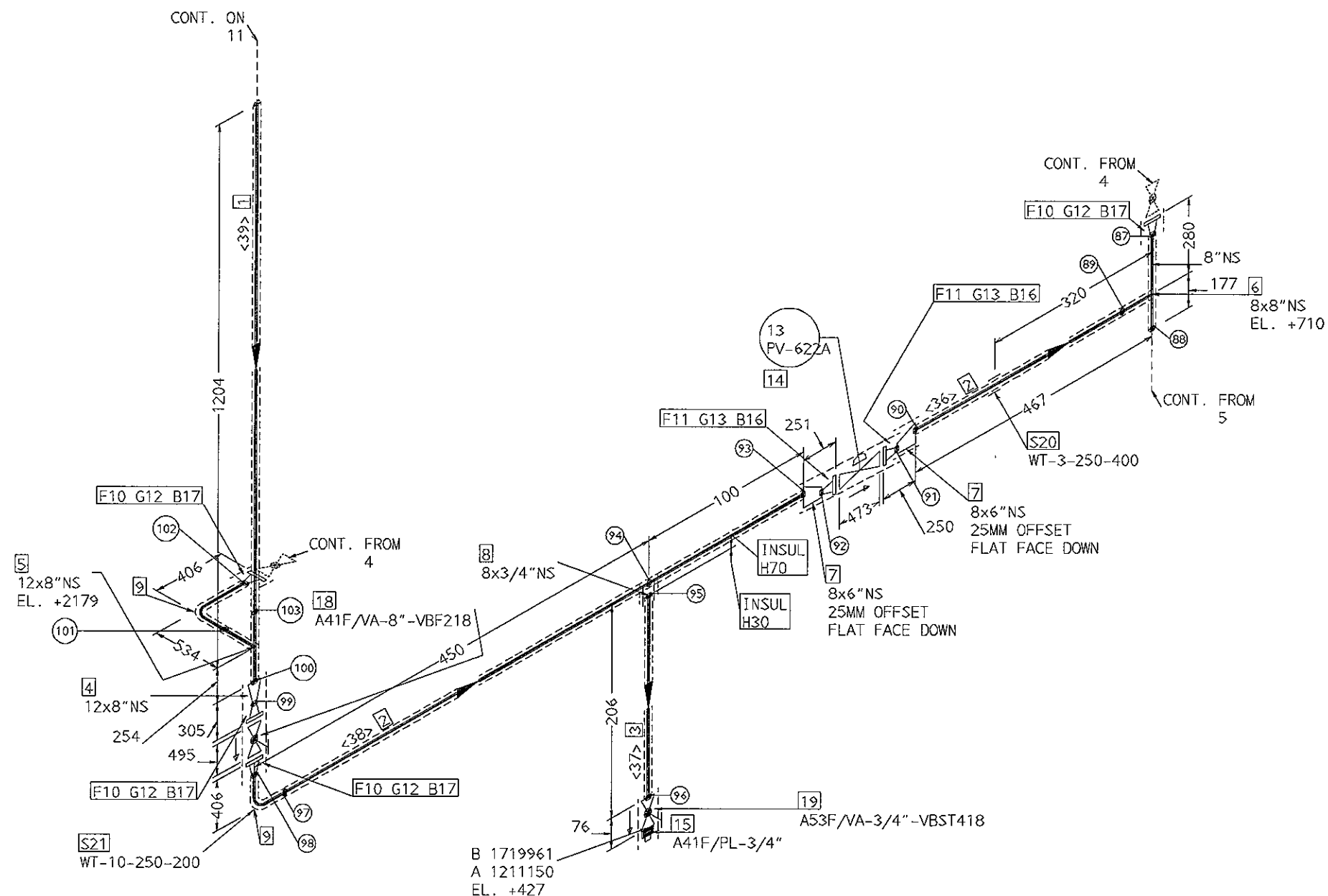
FOR CONSTRUCTION

JULY, 14, 2011

△						DPR. PRESS.: 0.45 MPa(G)	DPR. TEMP.: 155 °C	CLASS: A41F	DWN. Y.M.LU	06/01/2011	REVIEWED	 富台工程股份有限公司 FU-TAI ENGINEERING CO., LTD.		
△						DES. PRESS.: 0.6/FV MPa(G)	DES. TEMP.: 175 °C	INSULATION: H70	DESN. D.H.LEE	06/01/2011				
△						HYDRD TEST: WATER 0.9 MPa(G)	PWHT: NO	TRACING: ---	CHK. Y.C.CHOU	06/01/2011				
△	07/08/2011	FOR CONSTRUCTION	Y.M.LU	Y.C.CHOU	A.F.WU	PAINTING: PER SPEC.	STEAM OUT: NO	RT: 10 %	APPR. A.F.WU	06/01/2011				
A	06/01/2011	FOR APPROVAL	Y.M.LU	Y.C.CHOU	A.F.WU	        	DWG NO.: 310C		CONTRACT: C192502	LINE NO.:	SHT.	ISSUE		
REV. NO.	DATE	REVISION DESCRIPTION	BY	CHK.	APPR.			DIA. NO.: 1208-036/3390-020		FILE NO.: 13-LLS36007-5	13-12"-LLS-36007-A41F-H		5 OF 12	0

FABRICATION MATERIALS				
PT NO	DESCRIPTION & MATERIAL	N.S. (INS)	ITEM CODE	QTY
PIPE				
1	PIPE A106 GR.B SCH20 SMLS BE ASME B36.10M	12	A41F/P-12"-20	1.0M
2	PIPE A106 GR.B SCH20 SMLS BE ASME B36.10M	8	A41F/P-8"-20	0.6M
3	PIPE A106 GR.B SCH80 SMLS PE ASME B36.10M	3/4	A41F/P-3/4"-80	0.1M
FITTINGS				
4	REDUCER CONC A234 GR.WPB SCH20 SMLS BW ASME B16.9	12 x 8	A41F/RC-12"x8"	1
5	REDU TEE A234 GR.WPB SCH20 SMLS BW ASME B16.9	12 x 8	A41F/TB-12"x8"	1
6	TEE A234 GR.WPB SCH20 SMLS BW ASME B16.9	8 x 8	A41F/TB-8"	1
7	REDUCER ECC A234 GR.WPB SCH20/SCH40 SMLS BW ASME B16.9	8 x 6	A41F/RE-8"x6"	2
8	HALF COUPLING CL3000 SW A105 ASME B16.11	8 x 3/4	A41F/CHS-8"x3/4"	1
9	90 DEG. ELBOW LR A234 GR.WPB SCH20 SMLS BW ASME B16.9	8	A41F/EB-8"x90	2
FLANGES				
10	FLANGE CL150 RF WN A105 SCH20 BORE ASME B16.5	8	A41F/WFR-8"	4
11	FLANGE CL300 RF WN A105 SCH40 BORE ASME B16.5	6	A41F/WFR3-6"	2
GASKETS				
12	GASKET CL150 RF 4.5mm 316SS SPIRAL WOUND FILLER FLEXIBLE GRAPHITE INNER RING 316SS OUTER RING LOW CS (G214ACM) ASME B16.20	8	A41F/GR-8"-G214ACM	4
13	GASKET CL300 RF 4.5mm 316SS SPIRAL WOUND FILLER FLEXIBLE GRAPHITE INNER RING 316SS OUTER RING LOW CS (G214ACM) ASME B16.20	6	A41F/GR3-6"-G214ACM	2
INSTRUMENTS				
14	CONTROL VALVE CL300 RF 13 PV-622A	6		1
ERECTION MATERIALS				
PT NO	DESCRIPTION & MATERIAL	N.S. (INS)	ITEM CODE	QTY
FITTINGS				
15	PLUG A105 HEXAGONAL TYPE SCRD(M-NPT) ASME B16.11	3/4	A41F/PL-3/4"	1
BOLTS				
16	130 MM LONG STUD BOLT . M20 A193 GR.B7 W/HEX HEAD HEAVY NUT A194 GR.2H		A41F/BSF3-6"-130	24
17	110 MM LONG STUD BOLT . M20 A193 GR.B7 W/HEX HEAD HEAVY NUT A194 GR.2H		A41F/BSF-8"-110	32
COMPONENTS				
18	GLOBE VALVE CL150 RF A216 GR.WCB BODY #8 TRIM LOOSE DISC OS&Y BB ASME B16.10 API600 (VBF218)	8	A41F/VA-8"-VBF218	1
19	GLOBE VALVE CL800 SW/SCRD(NPT) A105 BODY #8 TRIM LOOSE DISC OS&Y BB API602 BY MFR (VBST418)	3/4	A53F/VA-3/4"-VBST418	1
SUPPORTS				
20	PIPE SUPPORT (WT-3-250-400)	8	SUP/WT-3-8"	1
21	PIPE SUPPORT (WT-10-250-200)	8	SUP/WT-10-8"	1

CUT PIPE LENGTH							
PIECE NO	CUT LENGTH	N.S. (INS)	REMARKS	PIECE NO	CUT LENGTH	N.S. (INS)	REMARKS
<36>	289	8		<37>	75	3/4	
<38>	245	8		<39>	950	12	



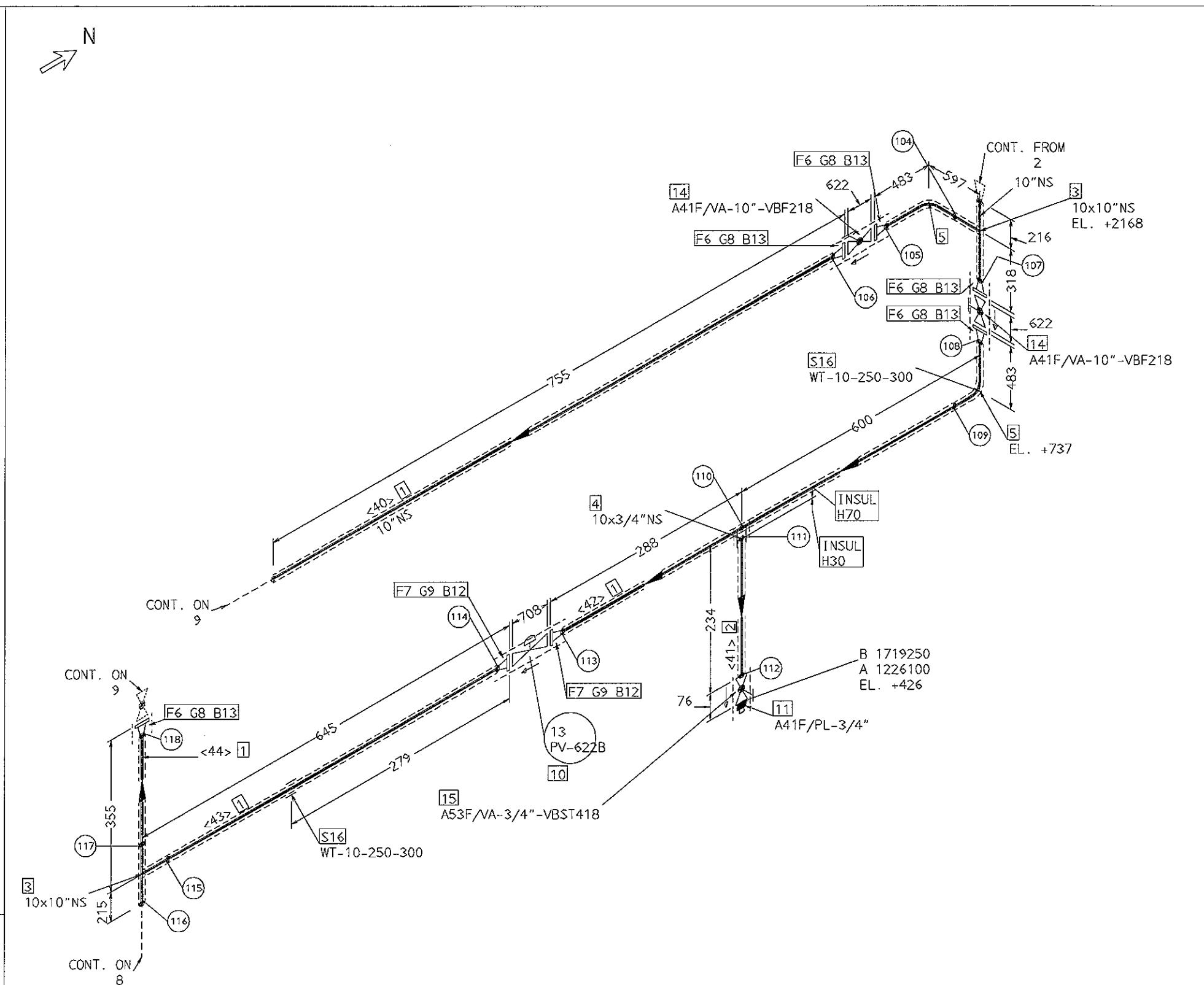
FOR CONSTRUCTION

JULY, 14, 2011

△						OPR. PRESS.: 0.45 MPa(G)	OPR. TEMP.: 155 °C	CLASS: A41F	DWN.	Y.M.LU	06/01/2011	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: H70	DESN.	D.H.LEE	06/01/2011			
△						HYDRO TEST: WATER 0.9 MPa(G)	PWHT: NO	TRACING: ---	CHK.	Y.C.CHOU	06/01/2011			
△	07/08/2011	FOR CONSTRUCTION	Y.M.LU	Y.C.CHOU	A.F.WU	PAINTING: PER SPEC.	STEAM OUT: NO	RT: 10 %	APPR.	A.F.WU	06/01/2011			
△	06/01/2011	FOR APPROVAL	Y.M.LU	Y.C.CHOU	A.F.WU	WELDED FIELD WELDED SOCKET THREAD COUPLING FIELD CONN. SUPPORT STEAM TRACE INSULATION	DWG NO.: 310C			CONTRACT: C192502		LINE NO.:	SHT.	ISSU
REV. NO.	DATE	REVISION DESCRIPTION	BY	CHK.	APPR.	● ⊗ ⊢ ⊣ ⊤ ⊥ ⊦ ⊧ ⊨ ⊩ ⊪ ⊫ ⊬ ⊭ ⊮ ⊯ ⊰ ⊱ ⊲ ⊳ ⊴ ⊵ ⊶ ⊷ ⊸ ⊹ ⊺ ⊻ ⊼ ⊽ ⊾ ⊿								

FABRICATION MATERIALS				
PT NO	DESCRIPTION & MATERIAL	N.S. (INS)	ITEM CODE	QTY
PIPE				
1	PIPE A106 GR.B SCH20 SMLS BE ASME B36.10M	10	A41F/P-10"-20	1.4M
2	PIPE A106 GR.B SCH80 SMLS PE ASME B36.10M	3/4	A41F/P-3/4"-80	0.1M
FITTINGS				
3	TEE A234 GR.WPB SCH20 SMLS BW ASME B16.9	10 x 10	A41F/TB-10"	2
4	HALF COUPLING CL3000 SW A105 ASME B16.11	10 x 3/4	A41F/CHS-10"x3/4"	1
5	90 DEG. ELBOW LR A234 GR.WPB SCH20 SMLS BW ASME B16.9	10	A41F/EB-10"x90	2
FLANGES				
6	FLANGE CL150 RF WN A105 SCH20 BORE ASME B16.5	10	A41F/WFR-10"	5
7	FLANGE CL300 RF WN A105 SCH20 BORE ASME B16.5	10	A41F/WFR3-10"	2
GASKETS				
8	GASKET CL150 RF 4.5mm 316SS SPIRAL WOUND FILLER FLEXIBLE GRAPHITE INNER RING 316SS OUTER RING LOW CS (G214ACM) ASME B16.20	10	A41F/GR-10"-G214ACM	5
9	GASKET CL300 RF 4.5mm 316SS SPIRAL WOUND FILLER FLEXIBLE GRAPHITE INNER RING 316SS OUTER RING LOW CS (G214ACM) ASME B16.20	10	A41F/GR3-10"-G214ACM	2
INSTRUMENTS				
10	CONTROL VALVE CL300 RF 13 PV-622B	10		1
ERECTION MATERIALS				
PT NO	DESCRIPTION & MATERIAL	N.S. (INS)	ITEM CODE	QTY
FITTINGS				
11	PLUG A105 HEXAGONAL TYPE SCRD(M-NPT) ASME B16.11	3/4	A41F/PL-3/4"	1
BOLTS				
12	170 MM LONG STUD BOLT , M27 A193 GR.B7 W/HEX HEAD HEAVY NUT A194 GR.2H		A41F/BSF3-10"-170	32
13	120 MM LONG STUD BOLT , M22 A193 GR.B7 W/HEX HEAD HEAVY NUT A194 GR.2H		A41F/BSF-10"-120	60
COMPONENTS				
14	GLOBE VALVE CL150 RF A216 GR.WCB BODY #8 TRIM LOOSE DISC OS&Y BB ASME B16.10 API600 (VBF218)	10	A41F/VA-10"-VBF218	2
15	GLOBE VALVE CL800 SW/SCRD(NPT) A105 BODY #8 TRIM LOOSE DISC OS&Y BB API602 BY MFR (VBST418)	3/4	A53F/VA-3/4"-VBST418	1
SUPPORTS				
16	PIPE SUPPORT (WT-10-250-300)	10	SUP/WT-10-10"	2

CUT PIPE LENGTH							
PIECE NO	CUT LENGTH	N.S. (INS)	REMARKS	PIECE NO	CUT LENGTH	N.S. (INS)	REMARKS
<40>	653	10		<41>	75	3/4	
<42>	389	10		<43>	312	10	
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FOR CONSTRUCTION

JULY, 14, 2011

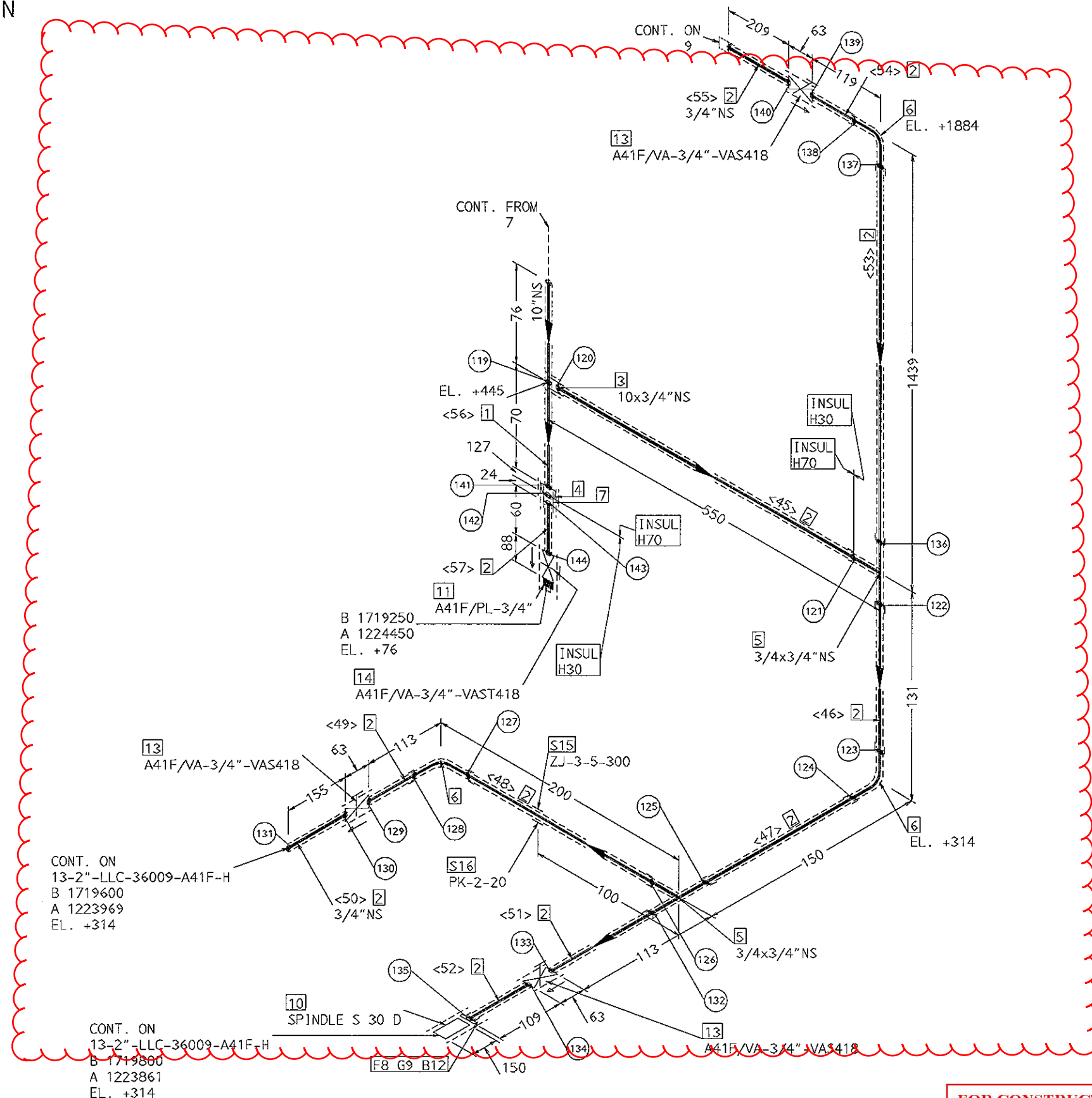
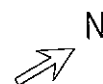
△						OPR. PRESS.: 0.45 MPa(G)	OPR. TEMP.: 155 °C	CLASS: A41F	DWN. Y.M.LU	06/01/2011	REVIEWED	富台工程股份有限公司 FU-TAI ENGINEERING CO., LTD. 腾龙芳烃(漳州)80万吨/年对二甲苯工程 CSU/VDU 装置			
△						DES. PRESS.: 0.6/FV MPa(G)	DES. TEMP.: 175 °C	INSULATION : H70	DESN. D.H.LEE	06/01/2011					
△						HYDRO TEST: WATER 0.9 MPa(G)	PWHT : NO	TRACING : ---	CHK. Y.C.CHOU	06/01/2011					
△	07/08/2011	FOR CONSTRUCTION	Y.M.LU	Y.C.CHOU	A.F.WU	PAINTING : PER SPEC.	STEAM OUT: NO	RT : 10	APPR. A.F.WU	06/01/2011					
△	06/01/2011	FOR APPROVAL	Y.M.LU	Y.C.CHOU	A.F.WU	WELDED FIELD WELDED SOCKET THREAD COUPLING FIELD CONN. SUPPORT STEAM TRACE INSULATION 			DWG NO.: 310C		CONTRACT: C192502	LINE NO. :	SHT.	ISSUE	
REV. NO.	DATE	REVISION DESCRIPTION	BY	CHK.	APPR.				DIA. NO.: 1208-036/3390-020		FILE NO.: 13-LLS36007-7	13-12"-LLS-36007-A41F-H		7 OF 12	0

FABRICATION MATERIALS

PT NO	DESCRIPTION & MATERIAL	N.S. (INS)	ITEM CODE	QTY
PIPE				
1	PIPE A106 GR.B SCH20 SMLS BE ASME B36.10M	10	A41F/P-10"-20	0.2M
2	PIPE A106 GR.B SCH80 SMLS PE ASME B36.10M	3/4	A41F/P-3/4"-80	3.0M
FITTINGS				
3	HALF COUPLING CL3000 SW A105 ASME B16.11	10 x 3/4	A41F/CHS-10"x3/4"	1
4	CAP A234 GR.WPB SCH20 SMLS BW ASME B16.9	10	A41F/CB-10"	1
5	TEE CL3000 SW A105 ASME B16.11	3/4 x 3/4	A41F/TS-3/4"	2
6	90 DEG. ELBOW CL3000 SW A105 ASME B16.11	3/4	A41F/ES-3/4"x90	3
7	HALF COUPLING CL3000 SW A105 ASME B16.11	3/4	A41F/CHS-3/4"	1
FLANGES				
8	FLANGE CL150 RF SW A105 SCH80 BORE ASME B16.5	3/4	A41F/FR-3/4"	1
GASKETS				
9	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	1
INSTRUMENTS				
10	TRAP CL150 RF	3/4	A41F/TRAP-3/4"	1
ERECTION MATERIALS				
PT NO	DESCRIPTION & MATERIAL	N.S. (INS)	ITEM CODE	QTY
FITTINGS				
11	PLUG A105 HEXAGONAL TYPE SCRD(M-NPT) ASME B16.11	3/4	A41F/PL-3/4"	1
BOLTS				
12	70 MM LONG STUD BOLT . M12 A193 GR.B7 W/HEX HEAD HEAVY NUT A194 GR.2H		A41F/BSF-3/4"-70	4
COMPONENTS				
13	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
14	GATE VALVE CL800 SW/SCRD(NPT) A105 BODY #8 TRIM SOLID WEDGE OS&Y BB API602 BY MFR (VAST418)	3/4	A41F/VA-3/4"-VAST418	1
SUPPORTS				
15	PIPE SUPPORT (ZJ-3-5-300)	3/4	SUP/ZJ-3-3/4"	1
16	PIPE SUPPORT (PK-2-20)	3/4	SUP/PK-2-3/4"	1

CUT PIPE LENGTH

PIECE NO	CUT LENGTH	N.S. (INS)	REMARKS	PIECE NO	CUT LENGTH	N.S. (INS)	REMARKS
<45>	372	3/4		<46>	93	3/4	
<47>	112	3/4		<48>	162	3/4	
<49>	94	3/4		<50>	155	3/4	
<51>	94	3/4		<52>	104	3/4	
<53>	1401	3/4		<54>	100	3/4	
<55>	209	3/4		<56>	146	10	
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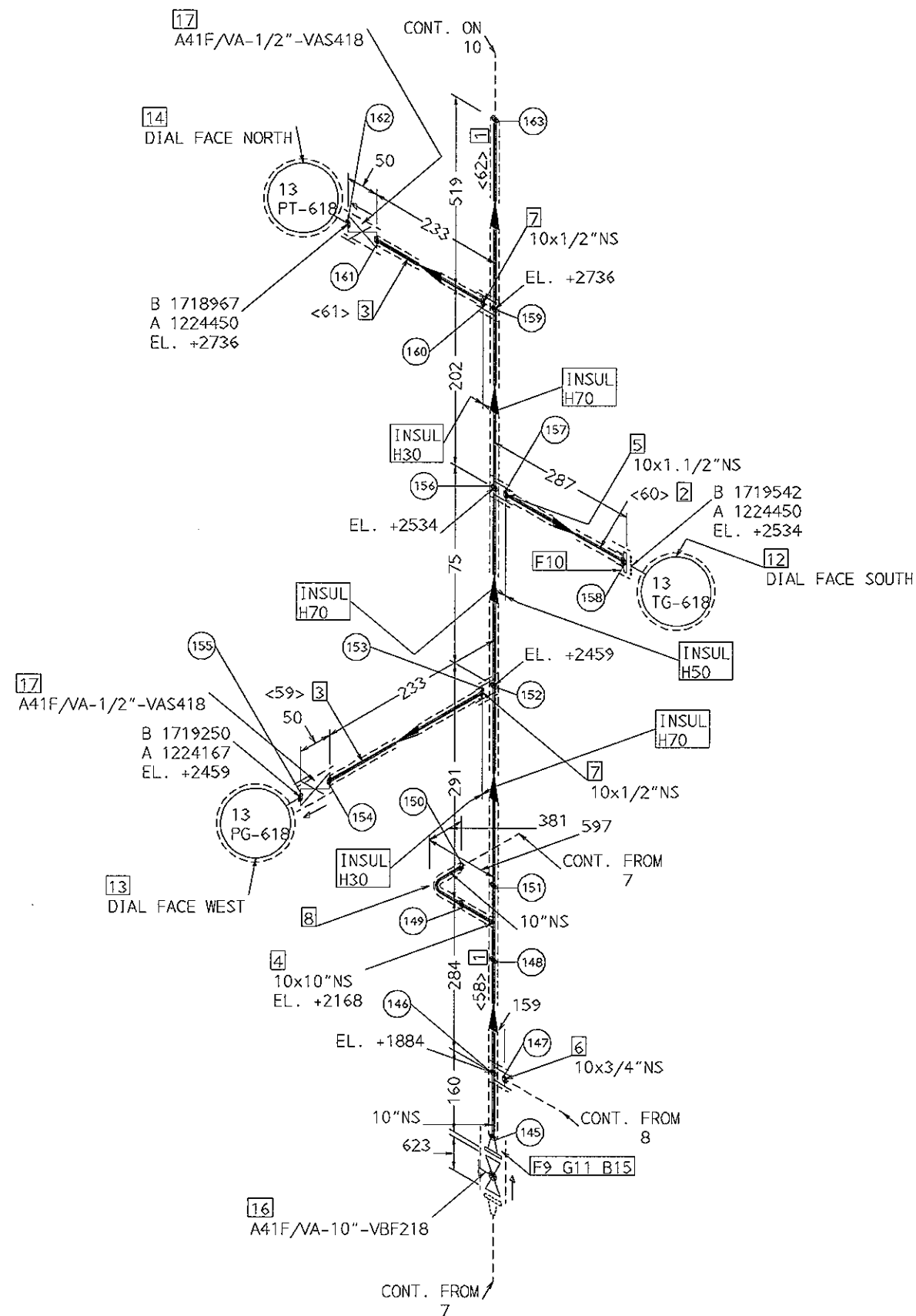
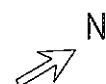
FOR CONSTRUCTION

JULY, 14, 2011

△						DPR. PRESS.: 0.45 MPa(G)	DPR. TEMP.: 155 °C	CLASS: A41F	DWN. Y.M.LU	06/01/2011	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 : H70	DES. D.H.LEE	06/01/2011					
△						HYDRO TEST: WATER 0.9 MPa(G)	PWHT : NO	TRACING : ---	CHK. Y.C.CHOU	06/01/2011					
△	07/08/2011	FOR CONSTRUCTION	Y.M.LU	Y.C.CHOU	A.F.WU	PAINTING : PER SPEC.	STEAM OUT: NO	RT : 10 %	APPR. A.F.WU	06/01/2011					
A	06/01/2011	FOR APPROVAL	Y.M.LU	Y.C.CHOU	A.F.WU	WELDED FIELD WELDED SOCKET THREAD COUPLING FIELD CONN. SUPPORT STEAM TRACE INSULATION 			DWG NO.: 310C		CONTRACT: C192502	LINE NO. :		SHT.	ISSUE
REV. NO.	DATE	REVISION DESCRIPTION	BY	CHK.	APPR.				DIA. NO.: 1208-036/3390-020		FILE NO.: 13-LLS36007-8	13-12"-LLS-36007-A41F-H		8 OF 12	0

FABRICATION MATERIALS				
PT NO	DESCRIPTION & MATERIAL	N.S. (INS)	ITEM CODE	QTY
PIPE				
1	PIPE A106 GR.B SCH20 SMLS BE ASME B36.10M	10	A41F/P-10"-20	1.0M
2	PIPE A106 GR.B SCH80 SMLS PE ASME B36.10M	1.1/2	A41F/P-1.1/2"-80	0.2M
3	PIPE A106 GR.B SCH80 SMLS PE ASME B36.10M	1/2	A41F/P-1/2"-80	0.2M
FITTINGS				
4	TEE A234 GR.WPB SCH20 SMLS BW ASME B16.9	10 x 10	A41F/TB-10"	1
5	HALF COUPLING CL3000 SW A105 ASME B16.11	10 x 1.1/2	A41F/CHS-10"x1.1/2"	1
6	HALF COUPLING CL3000 SW A105 ASME B16.11	10 x 3/4	A41F/CHS-10"x3/4"	1
7	HALF COUPLING CL3000 SW A105 ASME B16.11	10 x 1/2	A41F/CHS-10"x1/2"	2
8	90 DEG. ELBOW LR A234 GR.WPB SCH20 SMLS BW ASME B16.9	10	A41F/EB-10"x90	1
FLANGES				
9	FLANGE CL150 RF WN A105 SCH20 BORE ASME B16.5	10	A41F/WFR-10"	1
10	FLANGE CL300 RF SW A105 SCH80 BORE ASME B16.5	1.1/2	A41F/FR3-1.1/2"	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	10	A41F/GR-10"-G214ACM	1
INSTRUMENTS				
12	INSTRUMENT CL300 RF 13 TG-618	1.1/2		1
13	INSTRUMENT SW 13 PG-618	1/2		1
14	INSTRUMENT SW 13 PT-618	1/2		1
ERECTION MATERIALS				
PT NO	DESCRIPTION & MATERIAL	N.S. (INS)	ITEM CODE	QTY
BOLTS				
15	120 MM LONG STUD BOLT . M22 A193 GR.B7 W/HEX HEAD HEAVY NUT A194 GR.2H		A41F/BSF-10"-120	12
COMPONENTS				
16	GLOBE VALVE CL150 RF A216 GR.WCB BODY #8 TRIM LOOSE DISC OS&Y BB ASME B16.10 API600 (VBF218)	10	A41F/VA-10"-VBF218	1
17	GATE VALVE CL800 SW A105 BODY #8 TRIM SOLID WEDGE OS&Y BB API602 BY MFR (VAS418)	1/2	A41F/VA-1/2"-VAS418	2

CUT PIPE LENGTH						
PIECE NO	CUT LENGTH	N.S. (INS)	REMARKS	PIECE NO	CUT LENGTH	N.S. (INS)
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<60>	108	1.1/2		<61>	75	1/2
<62>	871	10				



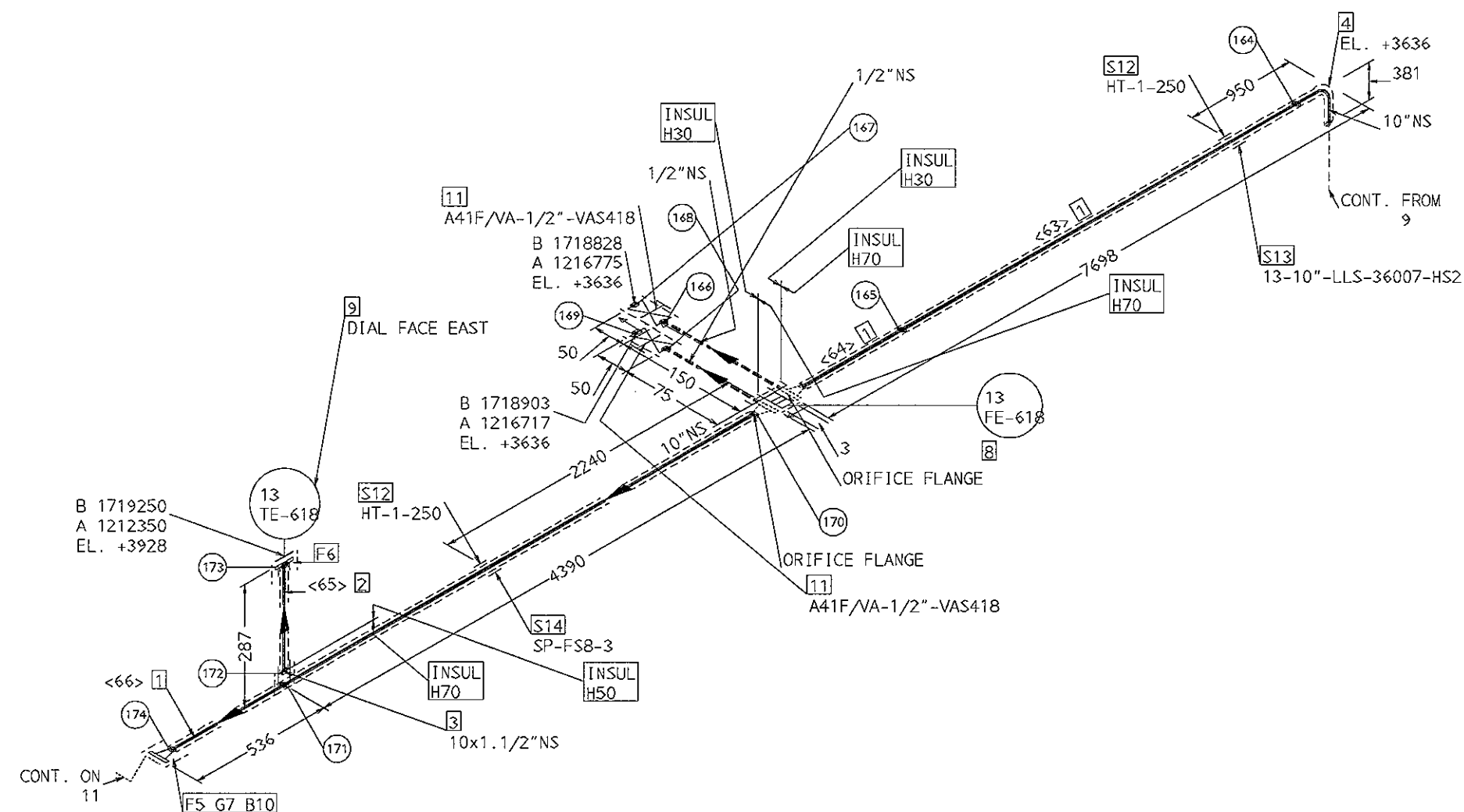
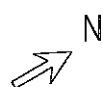
FOR CONSTRUCTION

JULY, 14, 2011

△						OPR. PRESS.: 0.45 MPa(G)	OPR. TEMP.: 155 °C	CLASS: A41F	DWN. Y.M.LU	06/01/2011	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 : H70	DESN. D.H.LEE	06/01/2011				
△						HYDRO TEST: WATER 0.9 MPa(G)	PWHT : NO	TRACING : ---	CHK. Y.C.CHOU	06/01/2011				
△	07/08/2011	FOR CONSTRUCTION	Y.M.LU	Y.C.CHOU	A.F.WU	PAINTING : PER SPEC.	STEAM OUT: NO	RT : 10 %	APPR. A.F.WU	06/01/2011				
A	06/01/2011	FOR APPROVAL	Y.M.LU	Y.C.CHOU	A.F.WU	WELDED FIELD WELDED SOCKET THREAD COUPLING FIELD CONN. SUPPORT STEAM TRACE INSULATION 				DWG NO.: 310C	CONTRACT: C192502	LINE NO.:	SHT.	ISSUE
REV. NO.	DATE	REVISION DESCRIPTION	BY	CHK.	APPR.					DIA. NO.: 1208-036/3390-020	FILE NO.: 13-LLS36007-9	13-12"-LLS-36007-A41F-H	9 OF 12	0

FABRICATION MATERIALS				
PT NO	DESCRIPTION & MATERIAL	N.S. (INS)	ITEM CODE	QTY
PIPE				
1	PIPE A106 GR.B SCH20 SMLS BE ASME B36.10M	10	A41F/P-10"-20	12.0M
2	PIPE A106 GR.B SCH80 SMLS PE ASME B36.10M	1.1/2	A41F/P-1.1/2"-80	0.2M
FITTINGS				
3	HALF COUPLING CL3000 SW A105 ASME B16.11	10 x 1.1/2	A41F/CHS-10"x1.1/2"	1
4	90 DEG. ELBOW LR A234 GR.WPB SCH20 SMLS BW ASME B16.9	10	A41F/EB-10"x90	1
FLANGES				
5	FLANGE CL150 RF WN A105 SCH20 BORE ASME B16.5	10	A41F/WFR-10"	1
6	FLANGE CL300 RF SW A105 SCH80 BORE ASME B16.5	1.1/2	A41F/FR3-1.1/2"	1
GASKETS				
7	GASKET CL150 RF 4.5mm 316SS SPIRAL WOUND FILLER FLEXIBLE GRAPHITE INNER RING 316SS OUTER RING LOW CS (G214ACM) ASME B16.20	10	A41F/GR-10"-G214ACM	1
INSTRUMENTS				
8	ORIFICE CL300 13 FE-618	10		1
9	INSTRUMENT CL300 RF 13 TE-618	1.1/2		1
ERECTION MATERIALS				
PT NO	DESCRIPTION & MATERIAL	N.S. (INS)	ITEM CODE	QTY
BOLTS				
10	120 MM LONG STUD BOLT . M22 A193 GR.B7 W/HEX HEAD HEAVY NUT A194 GR.2H		A41F/BSF-10"-120	12
COMPONENTS				
11	GATE VALVE CL800 SW A105 BODY #8 TRIM SOLID WEDGE OS&Y BB API602 BY MFR (VAS418)	1/2	A41F/VA-1/2"-VAS418	2
SUPPORTS				
12	PIPE SUPPORT (HT-1-250)	10	SUP/HT-1-10"	2
13	SPECIAL SUPPORT (13-10"-LLS-36007-HS2)	10	SUP/HS-10"	1
14	SPECIAL SUPPORT (SP-FS8-3)	10	SUP/FS8-3-10"	1

CUT PIPE LENGTH					
PIECE NO	CUT LENGTH	N.S. (INS)	REMARKS	PIECE NO	CUT LENGTH
<63>	6000	10		<64>	1200
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△						OPR. PRESS.: 0.45 MPa(G)	OPR. TEMP.: 155 °C	CLASS: A41F	DWN. Y.M.LU	06/01/2011	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 : H70	DES. D.H.LEE	06/01/2011						
△						HYDRO TEST: WATER 0.9 MPa(G)	PWHT : NO	TRACING : ---	CHK. Y.C.CHOU	06/01/2011						
△	07/08/2011	FOR CONSTRUCTION	Y.M.LU	Y.C.CHOU	A.F.WU	PAINTING : PER SPEC.	STEAM OUT: NO	RT : 10 %	APPR. A.F.WU	06/01/2011						
A	06/01/2011	FOR APPROVAL	Y.M.LU	Y.C.CHOU	A.F.WU	WELDED FIELD WELDED SOCKET THREAD COUPLING FIELD CONN. SUPPORT STEAM TRACE INSULATION	DWG NO.: 310C			CONTRACT: C192502		LINE NO.:		SHT.	ISSUE	
REV. NO.	DATE	REVISION DESCRIPTION	BY	CHK.	APPR.	● × ⚡ — □ — ■ — — — — —			DIA. NO.: 1208-036/3390-020		FILE NO.: 13-LLS36007-10		13-12"-LLS-36007-A41F-H		10 OF 12	0

FABRICATION MATERIALS

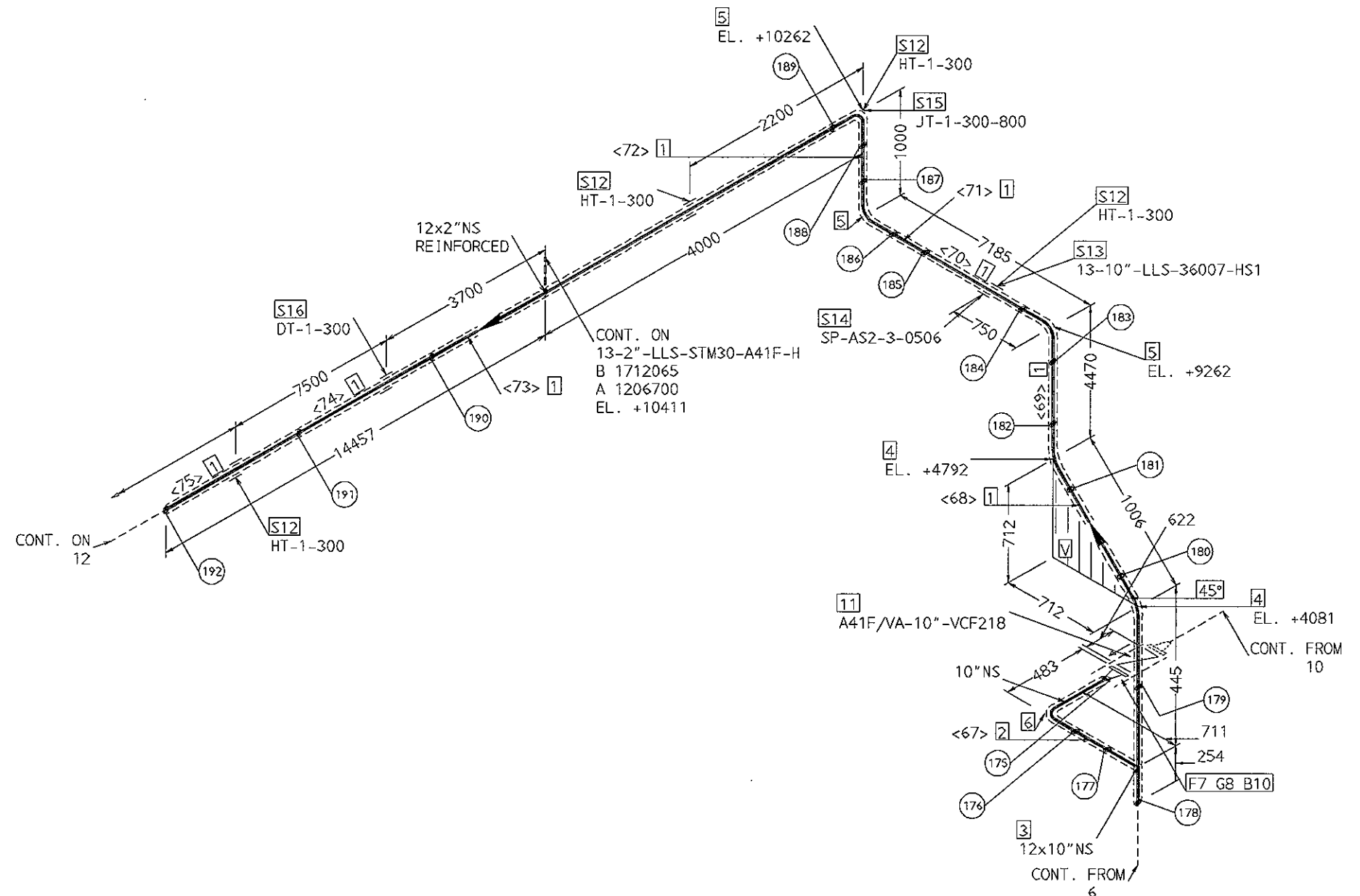
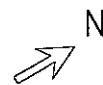
PT NO	DESCRIPTION & MATERIAL	N.S. (INS)	ITEM CODE	QTY
PIPE				
1	PIPE A106 GR.B SCH20 SMLS BE ASME B36.10M	12	A41F/P-12"-20	28.9M
2	PIPE A106 GR.B SCH20 SMLS BE ASME B36.10M	10	A41F/P-10"-20	0.1M
FITTINGS				
3	REDU TEE A234 GR.WPB SCH20 SMLS BW ASME B16.9	12 x 10	A41F/TB-12"x10"	1
4	45 DEG. ELBOW LR A234 GR.WPB SCH20 SMLS BW ASME B16.9	12	A41F/EB-12"x45	2
5	90 DEG. ELBOW LR A234 GR.WPB SCH20 SMLS BW ASME B16.9	12	A41F/EB-12"x90	3
6	90 DEG. ELBOW LR A234 GR.WPB SCH20 SMLS BW ASME B16.9	10	A41F/EB-10"x90	1
FLANGES				
7	FLANGE CL150 RF WN A105 SCH20 BORE ASME B16.5	10	A41F/WFR-10"	1
GASKETS				
8	GASKET CL150 RF 4.5mm 316SS SPIRAL WOUND FILLER FLEXIBLE GRAPHITE INNER RING 316SS OUTER RING LOW CS (G214ACM) ASME B16.20	10	A41F/GR-10"-G214ACM	1
MISCELLANEOUS COMPONENTS				
9	REINFORCING PAD A106 GR.B SCH20 SMLS BE ASME B36.10M	2	A41F/PAD-12"x2"	1

ERECTION MATERIALS

PT NO	DESCRIPTION & MATERIAL	N.S. (INS)	ITEM CODE	QTY
BOLTS				
10	120 MM LONG STUD BOLT, M22 A193 GR.B7 W/HEX HEAD HEAVY NUT A194 GR.2H		A41F/BSF-10"-120	12
COMPONENTS				
11	CHECK VALVE CL150 RF A216 GR.WCB BODY #8 TRIM SWING BC ASME B16.10 API600 (VCF218)	10	A41F/VA-10"-VCF218	1
SUPPORTS				
12	PIPE SUPPORT (HT-1-300)	12	SUP/HT-1-12"	4
13	SPECIAL SUPPORT (13-10"-LLS-36007-HS1)	12	SUP/HS-12"	1
14	SPECIAL SUPPORT (SP-AS2-3-0506)	12	SUP/AS2-3-12"	1
15	PIPE SUPPORT (JT-1-300-800)	12	SUP/JT-1-12"	1
16	PIPE SUPPORT (DT-1-300)	12	SUP/DT-1-12"	1

CUT PIPE LENGTH

PIECE NO	CUT LENGTH	N.S. (INS)	REMARKS	PIECE NO	CUT LENGTH	N.S. (INS)	REMARKS
<67>	89	10		<68>	624	12	
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<71>	270	12		<72>	85	12	
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FOR CONSTRUCTION

JULY, 14, 2011

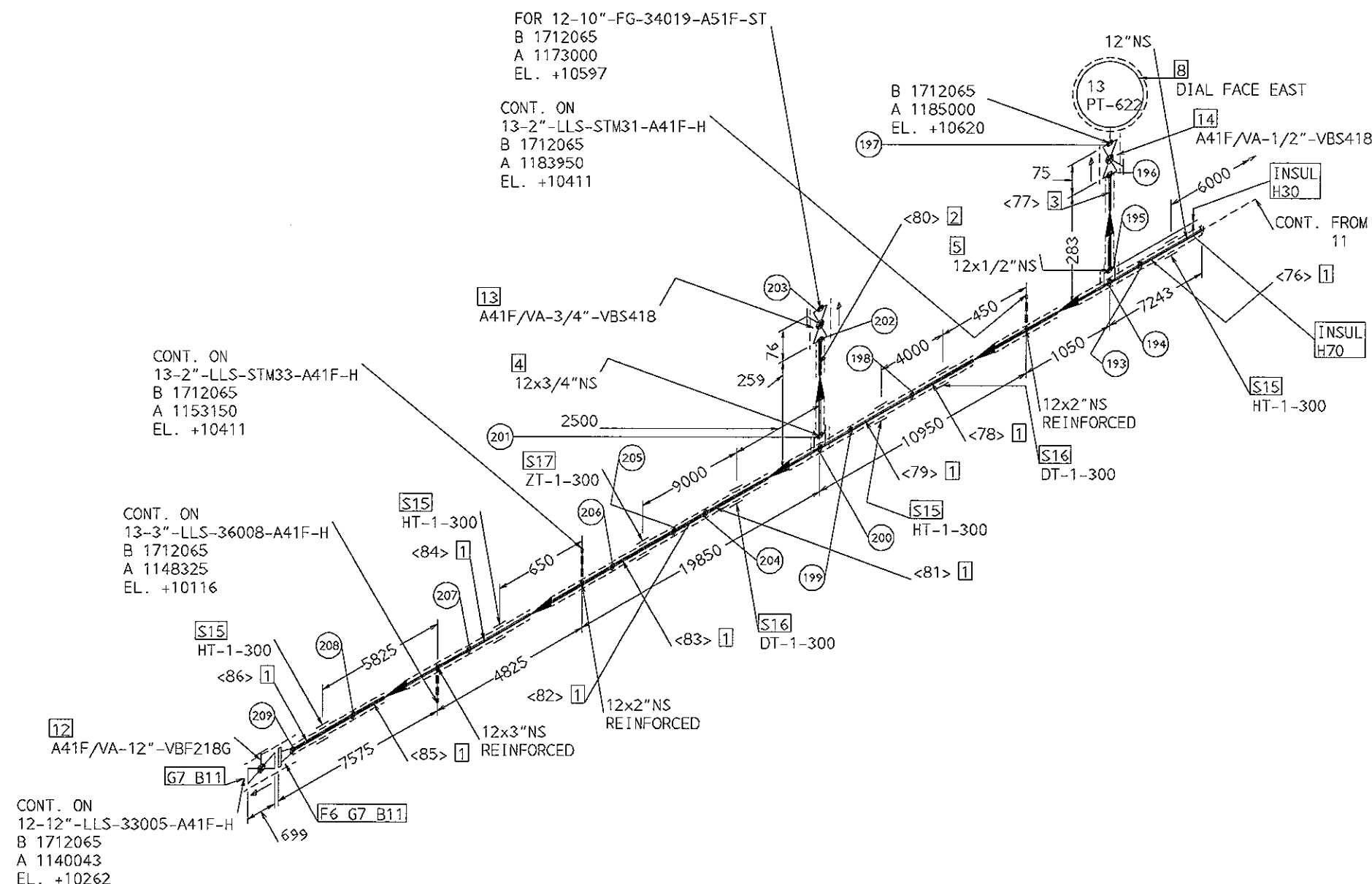
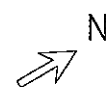
△						OPR. PRESS.: 0.45 MPa(G)	OPR. TEMP.: 155 °C	CLASS: A41F	DWN. Y.M.LU	06/01/2011	REVIEWED	富台工程股份有限公司 FU-TAI ENGINEERING CO., LTD. 腾龙芳烃(漳州)80万吨/年对二甲苯工程 CSU/VDU 装置				
△						DES. PRESS.: 0.6/FV MPa(G)	DES. TEMP.: 175 °C	INSULATION : H70	DES. D.H.LEE	06/01/2011						
△						HYDRO TEST: WATER 0.9 MPa(G)	PWHT : NO	TRACING : ---	CHK. Y.C.CHOU	06/01/2011						
△	07/08/2011	FOR CONSTRUCTION	Y.M.LU	Y.C.CHOU	A.F.WU	PAINTING : PER SPEC.	STEAM OUT: NO	RT : 10	APPR. A.F.WU	06/01/2011						
A	06/01/2011	FOR APPROVAL	Y.M.LU	Y.C.CHOU	A.F.WU	WELDED FIELD WELDED SOCKET THREAD COUPLING FIELD CONN. SUPPORT STEAM TRACE INSULATION         				DWG NO.: 310C		CONTRACT: C192502	LINE NO. :		SHT.	ISSUE
REV. NO.	DATE	REVISION DESCRIPTION	BY	CHK.	APPR.					DIA. NO.: 1208-036/3390-020		FILE NO.: 13-LLS36007-11	13-12"-LLS-36007-A41F-H		11 OF 12	0

FABRICATION MATERIALS

PT NO	DESCRIPTION & MATERIAL	N.S. (INS)	ITEM CODE	QTY
PIPE				
1	PIPE A106 GR.B SCH20 SMLS BE ASME B36.10M	12	A41F/P-12"-20	51.4M
2	PIPE A106 GR.B SCH80 SMLS PE ASME B36.10M	3/4	A41F/P-3/4"-80	0.1M
3	PIPE A106 GR.B SCH80 SMLS PE ASME B36.10M	1/2	A41F/P-1/2"-80	0.1M
FITTINGS				
4	HALF COUPLING CL3000 SW A105 ASME B16.11	12 x 3/4	A41F/CHS-12"x3/4"	1
5	HALF COUPLING CL3000 SW A105 ASME B16.11	12 x 1/2	A41F/CHS-12"x1/2"	1
FLANGES				
6	FLANGE CL150 RF WN A105 SCH20 BORE ASME B16.5	12	A41F/WFR-12"	1
GASKETS				
7	GASKET CL150 RF 4.5mm 316SS SPIRAL WOUND FILLER FLEXIBLE GRAPHITE INNER RING 316SS OUTER RING LOW CS (G214ACM) ASME B16.20	12	A41F/GR-12"-G214ACM	2
INSTRUMENTS				
8	INSTRUMENT NPT . 13 PT-622	1/2		1
MISCELLANEOUS COMPONENTS				
9	REINFORCING PAD A106 GR.B SCH20 SMLS BE ASME B36.10M	3	A41F/PAD-12"x3"	1
10	REINFORCING PAD A106 GR.B SCH20 SMLS BE ASME B36.10M	2	A41F/PAD-12"x2"	2
ERECTION MATERIALS				
PT NO	DESCRIPTION & MATERIAL	N.S. (INS)	ITEM CODE	QTY
BOLTS				
11	120 MM LONG STUD BOLT . M22 A193 GR.B7 W/HEX HEAD HEAVY NUT A194 GR.2H		A41F/BSF-12"-120	24
COMPONENTS				
12	GLOBE VALVE CL150 RF A216 GR.WCB BODY #8 TRIM LOOSE DISC OS&Y BB ASME B16.10 API600 GEAR OP. (VBF218G)	12	A41F/VA-12"-VBF218G	1
13	GLOBE VALVE CL800 SW A105 BODY #8 TRIM LOOSE DISC OS&Y BB API602 BY MFR (VBS418)	3/4	A41F/VA-3/4"-VBS418	1
14	GLOBE VALVE CL800 SW A105 BODY #8 TRIM LOOSE DISC OS&Y BB API602 BY MFR (VBS418)	1/2	A41F/VA-1/2"-VBS418	1
SUPPORTS				
15	PIPE SUPPORT (HT-1-300)	12	SUP/HT-1-12"	4
16	PIPE SUPPORT (DT-1-300)	12	SUP/DT-1-12"	2
17	PIPE SUPPORT (ZT-1-300)	12	SUP/ZT-1-12"	1

CUT PIPE LENGTH

PIECE NO	CUT LENGTH (INS)	N.S.	REMARKS	PIECE NO	CUT LENGTH (INS)	N.S.	REMARKS
<76>	6000	12		<77>	100	1/2	
<78>	6000	12		<79>	6000	12	
<80>	75	3/4		<81>	6000	12	
<82>	6000	12		<83>	6000	12	
<84>	6000	12		<85>	6000	12	
<86>	3379	12					



FOR CONSTRUCTION

JULY, 14, 2011

△						OPR. PRESS.: 0.45 MPa(G)	OPR. TEMP.: 155 °C	CLASS: A41F	DWN. Y.M.LU	06/01/2011	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 : H70	DESN. D.H.LEE	06/01/2011					
△						HYDRD TEST: WATER 0.9 MPa(G)	PWHT : NO	TRACING : ---	CHK. Y.C.CHOU	06/01/2011					
△	07/08/2011	FOR CONSTRUCTION	Y.M.LU	Y.C.CHOU	A.F.WU	PAINTING : PER SPEC.	STEAM OUT: NO	RT : 10	APPR. A.F.WU	06/01/2011					
A	06/01/2011	FOR APPROVAL	Y.M.LU	Y.C.CHOU	A.F.WU					DWG NO.: 310C		CONTRACT: C192502	LINE NO.:	SHT.	ISSUE
REV. NO.	DATE	REVISION DESCRIPTION	BY	CHK.	APPR.	WELDED FIELD WELDED SOCKET THREAD COUPLING FIELD CONN. SUPPORT STEAM TRACE INSULATION         				DIA. NO.: 1208-036/3390-020		FILE NO.: 13-LLS36007-12	13-12"-LLS-36007-A41F-H	12 OF 12	0