



[illegible]

FABRICATION MATERIALS					
PT NO	COMPONENT DESCRIPTION	N.S. (INS)	ITEM CODE	QTY	
PIPE					
1	PIPE A312-TP304 EFW SCH40S BE ASME B36.19M	3	S1P4/P-3"-40S	2.2M	
2	PIPE A312-TP304 EFW SCH40S PE ASME B36.19M	1	S1P4/P-1"-40S	0.1M	
3	PIPE A312-TP304 EFW SCH40S PE ASME B36.19M	1/2	S1P4/P-1/2"-40S	0.1M	
FITTINGS					
4	TEE BW A403-WP304 SMLS SCH40S ASME B16.9	3 x 3	S1P4/TB-3"	1	
5	REDUCING TEE BW A403-WP304 SMLS SCH40S ASME B16.9	3 x 1.1/2	S1P4/TB-3"x1.1/2"	1	
6	SOCKOLET 3000# SW A182-F304 MSS SP-97	3 x 1	S1P4/SOL-3"x1"	1	
7	SOCKOLET 3000# SW A182-F304 MSS SP-97	3 x 1/2	S1P4/SOL-3"x1/2"	1	
8	90 ELBOW LR BW A403-WP304 SMLS SCH40S ASME B16.9	3	S1P4/EB-3"x90	3	
FLANGES					
9	FLANGE WN 150# RF A182-F304 SCH40S BORE ASME B16.5	3	S1P4/FRWN-3"	3	
10	FLANGE SW 150# RF A182-F304 SCH40S BORE ASME B16.5	1	S1P4/FRSW-1"	2	
11	FLANGE SW 150# RF A182-F304 SCH40S BORE ASME B16.5	1/2	S1P4/FRSW-1/2"	1	
ERECTION MATERIALS					
PT NO	COMPONENT DESCRIPTION	N.S. (INS)	ITEM CODE	QTY	
FITTINGS					
12	NIPPLE (L=100MM) TOE(NPT) A312-TP304 SMLS SCH80S ASME B36.19M	1	S1P4/NIP-1"x100LXTOE	1	
13	CAP 3000# SCRD (FNPT) A182-F304 ASME B16.11	1	S1P4/CT-1"	1	
GASKETS					
14	GASKET 150# RF 3.0 MM THICK VIRGIN PTFE ZW#7500 ASME B16.21/B16.5	3	S1P4/GR-3"-ZW#7500	3	
15	GASKET 150# RF 3.0 MM THICK VIRGIN PTFE ZW#7500 ASME B16.21/B16.5	1	S1P4/GR-1"-ZW#7500	2	
16	GASKET 150# RF 3.0 MM THICK VIRGIN PTFE ZW#7500 ASME B16.21/B16.5	1/2	S1P4/GR-1/2"-ZW#7500	1	
BOLTS					
17	STUD BOLT A193 GR.B8 W/ TWO HEX. HEAD HEAVY NUT A194 GR.8 ASME B1.1 B18.2.2	5/8	S1P4/BS4-5/8"x95L	12	
18	STUD BOLT A193 GR.B8 W/ TWO HEX. HEAD HEAVY NUT A194 GR.8 ASME B1.1 B18.2.2	1/2	S1P4/BS4-1/2"x65L	8	
19	STUD BOLT A193 GR.B8 W/ TWO HEX. HEAD HEAVY NUT A194 GR.8 ASME B1.1 B18.2.2	1/2	S1P4/BS4-1/2"x60L	4	
VALVES / IN-LINE ITEMS					
20	BALL 150# RF A351-CF8/304SS+PTFE FULL PORT FIRE SAFE WRENCH OPER. ASME B16.34	3	S1P4/VA-3"-4144	1	
21	BALL 150# RF A351-CF8/304SS+PTFE FULL PORT FIRE SAFE WRENCH OPER. ASME B16.34	1	S1P4/VA-1"-4144	1	
22	BALL 150# RF A351-CF8/304SS+PTFE FULL PORT FIRE SAFE WRENCH OPER. ASME B16.34	1/2	S1P4/VA-1/2"-4144	1	
INSTRUMENTS					
23	PRESSURE INSTRUMENT 150# RF PT 13202	1/2		1	
SUPPORTS					
24	PIPE A312-TP304 EFW SCH40S BE ASME B36.19M (P-2"-192)	3	S1P4/P-2"-3"	1	
25	FIELD SUPPORT (FS1-2-05)	3	SUP/FS1-2-3"	1	
26	FIELD SUPPORT (FS10-1-05)	3	SUP/FS10-1-3"	1	
27	GROUT (GR2-7)	3	SUP/GR2-3"	1	

CUT PIPE LENGTH FOR REFERENCE ONLY							
PIECE NO	CUT LENGTH	N.S. (INS)	REMARKS	PIECE NO	CUT LENGTH	N.S. (INS)	REMARKS
<3>	100	1		<4>	250	3	
<5>	635	3		<6>	150	3	
<7>	100	1/2		<8>	835	3	
<9>	250	3					

	2025.09.12	REVISED FOR CONSTRUCTION	林信助	陳達明
	2025.07.03	FOR CONSTRUCTION	林信助	陳達明
	2025.04.21	FOR APPROVAL	林信助	陳達明
序次	日 期	修 改 說 明	修 改	認 可

