



ITEM NO	SIZE	DESCRIPTION	SET POINT
1	10"	ALTERNATIVE BYPASS ISOLATION VALVE	
2A	3"	SURGE CONTROL DELUGE VALVE	
2B	10"	SURGE CONTROL DELUGE VALVE	
3A	3"	DELUGE SYSTEM ISOLATION VALVE C/W LIMIT SWITCH	
3B	10"	DELUGE SYSTEM ISOLATION VALVE C/W LIMIT SWITCH	
4A	3"	BYPASS ISOLATION VALVE	
4B	10"	BYPASS ISOLATION VALVE	
5A	3"	DELUGE SYSTEM ISOLATION VALVE C/W LIMIT SWITCH	
5B	10"	DELUGE SYSTEM ISOLATION VALVE C/W LIMIT SWITCH	
6	2"	DRAIN AND TEST VALVE	
7	1/2"	SYSTEM OPERATED PRESSURE SWITCH	1.5BARG RISING
8	1/2"	SYSTEM OPERATED PRESSURE SWITCH BLOCK/BLEED VALVE	
9	4" DIA	WATER SYSTEM PRESSURE INDICATOR	
10	1/2"	WATER SYSTEM PRESSURE INDICATOR BLOCK/BLEED VALVE	
11	1/2"	PILOT LINE SEAWATER STRAINER	
12	1/2"	PNEUMATICALLY OPERATED VALVE	
13	4" DIA	WATER SUPPLY PRESSURE INDICATOR	
14	1/2"	WATER SYSTEM PRESSURE INDICATOR BLOCK/BLEED VALVE	
15	1/2"	LOCAL MANUAL RELEASE VALVE	
16	1/2"	PILOT VALVE	
17	1/2"	RESTRICTOR/VENTURI	
18	-	ENCLOSURE CONVECTION HEATER	
19	-	INSTRUMENT BACKBOARD	
20	4" DIA	BYPASS PRESSURE INDICATOR	
21	1/2"	BYPASS PRESSURE INDICATOR BLOCK/BLEED VALVE	
22	2"	SIGHT GLASS (DRAIN AND TEST)	
23	HOLD	BYPASS RESTRICTED ORIFICE (U17)	
24	1/2"	CHECK VALVE (PRESSURE SWITCH TESTING)	
25	-	NON I.S. JUNCTION BOX EEx'e 24VDC	
26	-	I.S. JUNCTION BOX EEx'e 24VDC	
27	-	HEATER JUNCTION BOX 254VAC	
28	HOLD	BYPASS RESTRICTED ORIFICE (U93)	
29	1/2"	INSTRUMENT AIR SUPPLY ISOLATION	
30	1/2"	INSTRUMENT AIR SUPPLY NON RETURN VALVE	
31	1/2"	INSTRUMENT AIR SUPPLY PRESSURE SWITCH (PSL) BLOCK AND BLEED VALVE	
32	1/2"	INSTRUMENT AIR SUPPLY PRESSURE SWITCH LOW (PSL)	3.5BARG FALLING
33	1/2"	INSTRUMENT AIR SUPPLY RESERVOIR PRESSURE RELIEF VALVE	12.5BARG
34	6 LTR	INSTRUMENT AIR SUPPLY RESERVOIR	
35	1/2"	INSTRUMENT AIR SUPPLY RESERVOIR MANUAL VENT VALVE	
36	1/4"	INSTRUMENT AIR SUPPLY REGULATOR	
37	3MM	INSTRUMENT RESTRICTED ORIFICE	
38	1/2"	INSTRUMENT RESTRICTED ORIFICE MANUAL BYPASS VALVE	
39	1/2"	3 PORT DETECTION SYSTEM SOLENOID	
40	1/2"	REMOTE MANUAL RELEASE	
41	1/2"	SOLENOID OPERATED VALVE	
42	1/2"	INSTRUMENT AIR ISOLATION VALVE	
43	1/2"	AIR RESERVOIR ISOLATION VALVE	
44	1/2"	DETECTOR LINE NON RETURN VALVE	
45	4" DIA	AIR SUPPLY PRESSURE INDICATOR	
46	1/2"	AIR SUPPLY PRESSURE INDICATOR BLOCK AND BLEED VALVE	

INTERFACE AND CONNECTION TABLE		
REF	SIZE	SPECIFICATION
TP2	10"	FIREWATER INLET ANSI B16.5 CLASS 150lb FLANGE
TP3	10"	BYPASS INLET ANSI B16.5 CLASS 150lb FLANGE
TP4	10"	FIREWATER OUTLET (P93) ANSI B16.5 CLASS 150lb FLANGE
TP5	3"	FIREWATER OUTLET (U17) ANSI B16.5 CLASS 150lb FLANGE
TP6	2"	DRAIN/TEST OUTLET ANSI B16.5 CLASS 150lb FLANGE
TP7	1"	INSTRUMENT AIR INLET ANSI B16.5 CLASS 150lb FLANGE
TP8	1"	INSTRUMENT AIR OUTLET (U17) ANSI B16.5 CLASS 150lb FLANGE

NOTES

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH -
GENERAL ARRANGEMENT - WO 912551/C03/005
FABRICATION DETAIL - WO921551/C04/005
ELECTRICAL TERMINATION DETAIL - WO912551/F04/012
- PROJECT PIPING SPECIFICATION - SCOTT-FW-0000-PI-SP-0001.
- LOCAL MANUAL RELEASE VALVE (ITEM 15) TO BE PANEL MOUNTED BALL VALVE WITH HANDLE TO BE OPERATED FROM OUTSIDE SKID.
- VENDOR DRAWING NO IS WO.912551/D01/005.

LEGEND

- FIREWATER SUPPLY LINE
- INSTRUMENTATION TRIM
- PNEUMATIC LINES
- ELECTRIC CABLE

REFERENCE DRAWINGS		TITLE	
DRG No.	REV		
Z1	AS-BUILT FOR SIC0060 (REDRAWN ON CAD)		
05	MADE AS SUPPLIED STATUS	MAY 92	DON SP CS
04	CLIENT COMMENTS INCORPORATED RE-ISSUED FOR APPROVAL	JUL 91	GB SP CS
03	CLIENT COMMENTS INCORPORATED RE-ISSUED FOR APPROVAL	MAY 91	GB SP CS
02	CLIENT COMMENTS INCORPORATED RE-ISSUED FOR APPROVAL	MAR 91	GR SP CS
01	ISSUED FOR APPROVAL	JAN 91	PRB SP CS
REV	REASON FOR ISSUE	DATE	DRN. CKD. BY ENG. CKD. L.E. APP'D NEXEN APP'D

REV	REASON FOR ISSUE	DATE	DRN.	CKD.	BY	ENG	CKD.	L.E.	NEXEN	APP'D
-----	------------------	------	------	------	----	-----	------	------	-------	-------



THIS IS A C.A.D. PRODUCED
DRAWING AND SHOULD NOT
BE MANUALLY MODIFIED

SCOTT				WorleyParsons resources & energy	
TITLE PIPING AND INSTRUMENT DIAGRAM FOR 3" AND 10" DELUGE VALVE SKID EQUIPMENT NO. LD-3203C					
DRAWING No.				SCOTT-P0160-D-0005-01	
				Z1 NONE	
PROJECT		ORG		SCALE	
AREA/MOD		DISC		TYPE	
SEQ. No.		SHT.		REV	