

FRANGIBLE BULB HEAT DETECTORS FIRE AREA P23
DELUGE NOZZLES
FIRE AREA P23

FRANGIBLE BULB HEAT DETECTORS FIRE AREA P22
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FIRE AREA P22

LEGEND

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

INTERFACE & CONNECTION TABLE			
REF	SIZE	DESCRIPTION	SPECIFICATION
TP2	12"	FIREWATER INLET	ANSI B16.5 CLASS 150lb FLANGE
TP3	12"	BYPASS INLET	ANSI B16.5 CLASS 150lb FLANGE
TP4	10"	FIREWATER OUTLET (P23)	ANSI B16.5 CLASS 150lb FLANGE
TP5	10"	FIREWATER OUTLET (P22)	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 (P23)	ANSI B16.5 CLASS 150lb FLANGE
TP9	1"	INSTRUMENT AIR OUTLET (P22)	ANSI B16.5 CLASS 150lb FLANGE

AMERADA HESS LIMITED
Scott Field Development

RETURN CODE 8

THIS DOCUMENT HAS BEEN ACCEPTED BY COMPANY AS "AS SUPPLIED" WITHOUT ENGINEERING REVIEW

AS SUPPLIED

Seller shall complete both Sections A & B, sign & date

A All Company comments on previous submission have been fully incorporated

B There are no design changes, other than incorporation of Company comments, from previous submission

Seller's Verifying Statement:
This document accurately represents the "As Supplied" condition of the Work

Sellers Authorized Signature: _____ Date: 1/15/91

REV	DATE	BY	CHKD	APPD	REVISION
05	MAY 92	AW	SL	CH	AS SUPPLIED
04	JUL 91	G.B.	SL	CH	CLIENTS COMMENTS INCORPORATED
					RE-ISSUED FOR APPROVAL
03	MAY 91	W.G.	SL	CH	CLIENTS COMMENTS INCORPORATED
					RE-ISSUED FOR APPROVAL
02	MAR 91	GR	SL	CH	CLIENTS COMMENTS INCORPORATED
					RE-ISSUED FOR APPROVAL
01	JAN 91	PRB	SL	CH	ISSUED FOR APPROVAL
ISSUE	DATE	BY	CHKD	APPD	REVISION

NOTES

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH -
GENERAL ARRANGEMENT - WO.912551/C03/014
FABRICATION DETAIL - WO.912551/C04/014
ELECTRICAL TERMINATION DETAIL - WO.912551/F04/011
- 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

COMPANY RETURN CODES		AMERADA HESS LIMITED	
<input type="checkbox"/> 1. Accepted "As Supplied"		SCOTT FIELD DEVELOPMENT	
<input type="checkbox"/> 2. Accepted - No Comments		Package Desc	DELUGE & SPRINKLER CONTROL SKIDS
<input type="checkbox"/> 3. Qualified Acceptance - Minor Comments. Review & Resubmit as "As Supplied" Work May Proceed		Equip Nos	LD-3209A
<input type="checkbox"/> 4. Qualified Acceptance - Minor Comments. Review & Resubmit to Obtain Code 2 Work May Proceed		SORS Codes	D01
<input type="checkbox"/> 5. Qualified Acceptance - Major Comments. Review & Resubmit to Obtain Code 2 Work May Proceed		Module	P12
<input type="checkbox"/> 6. Rejected - Review & Resubmit immediately. Work May Not Proceed in This Affected Area		Purchase Order No	PO 160
<input type="checkbox"/> 7. Review Not Required		Document No	D 010114 015
Company's Signature: _____	Date: _____	Rev	

ITEM No.	SIZE	DESCRIPTION	SET POINT
1	12"	ALTERNATIVE BYPASS ISOLATION VALVE	
2	10"	SURGE CONTROL DELUGE VALVE	
3	10"	DELUGE SYSTEM ISOLATION VALVE C/W LIMIT SWITCH	
4	10"	BYPASS ISOLATION VALVE	
5	10"	DELUGE SYSTEM ISOLATION VALVE C/W LIMIT SWITCH	
6	2"	DRAIN AND TEST VALVE	
7	1/2"	SYSTEM OPERATED PRESSURE SWITCH	1.5 BARG 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 SUPPLY 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 & TEST)	
23	HOLD	BYPASS RESTRICTED ORIFICE (P22)	
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 (P23)	
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 & BLEED VALVE	
32	1/2"	INSTRUMENT AIR SUPPLY PRESSURE SWITCH LOW (PSL)	3.5 BARG FALLING
33	1/2"	INSTRUMENT AIR SUPPLY RESERVOIR PRESSURE RELIEF VALVE	10 BARG
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 BY PASS VALVE	
39	1/2"	3 PORT DETECTION SYSTEM SOLENOID	
40	1/2"	REMOTE MANUAL RELEASE	
41	—	NOT USED	
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 & BLEED VALVE	

WORMALD
ENGINEERING & CONTRACTING DIVISION

PROJECT SCOTT FIELD DEVELOPMENT

W.E. JOB N° WO912551 ITEM N° CLIENT AMERADA HESS LIMITED

DRAWN BY P.BUCKLEY DATE JAN 91

CLIENTS ORDER N° T000 LC RM 0003 PO 160

TITLE
PIPING AND INSTRUMENT DIAGRAM FOR 10" DELUGE VALVE SKID EQUIPMENT No LD-3209A

DRAWING NUMBER WO.912551/D01/014

ISSUE 01 02 03 04 05

CAD DRG REF D01-014