

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	8"	FIREWATER OUTLET (P01)	ANSI B16.5 CLASS 150lb FLANGE
TP5	10"	FIREWATER OUTLET (P02)	ANSI B16.5 CLASS 150lb FLANGE
TP6	2"	DRAIN / TEST OUTLET	ANSI B16.5 CLASS 150lb FLANGE
TP7	1"	AFFF INLET	ANSI B16.5 CLASS 150lb FLANGE
TP8	1"	INSTRUMENT AIR INLET	ANSI B16.5 CLASS 150lb FLANGE
TP9	1"	INSTRUMENT AIR OUTLET (P01)	ANSI B16.5 CLASS 150lb FLANGE
TP10	1"	INSTRUMENT AIR OUTLET (P02)	ANSI B16.5 CLASS 150lb FLANGE

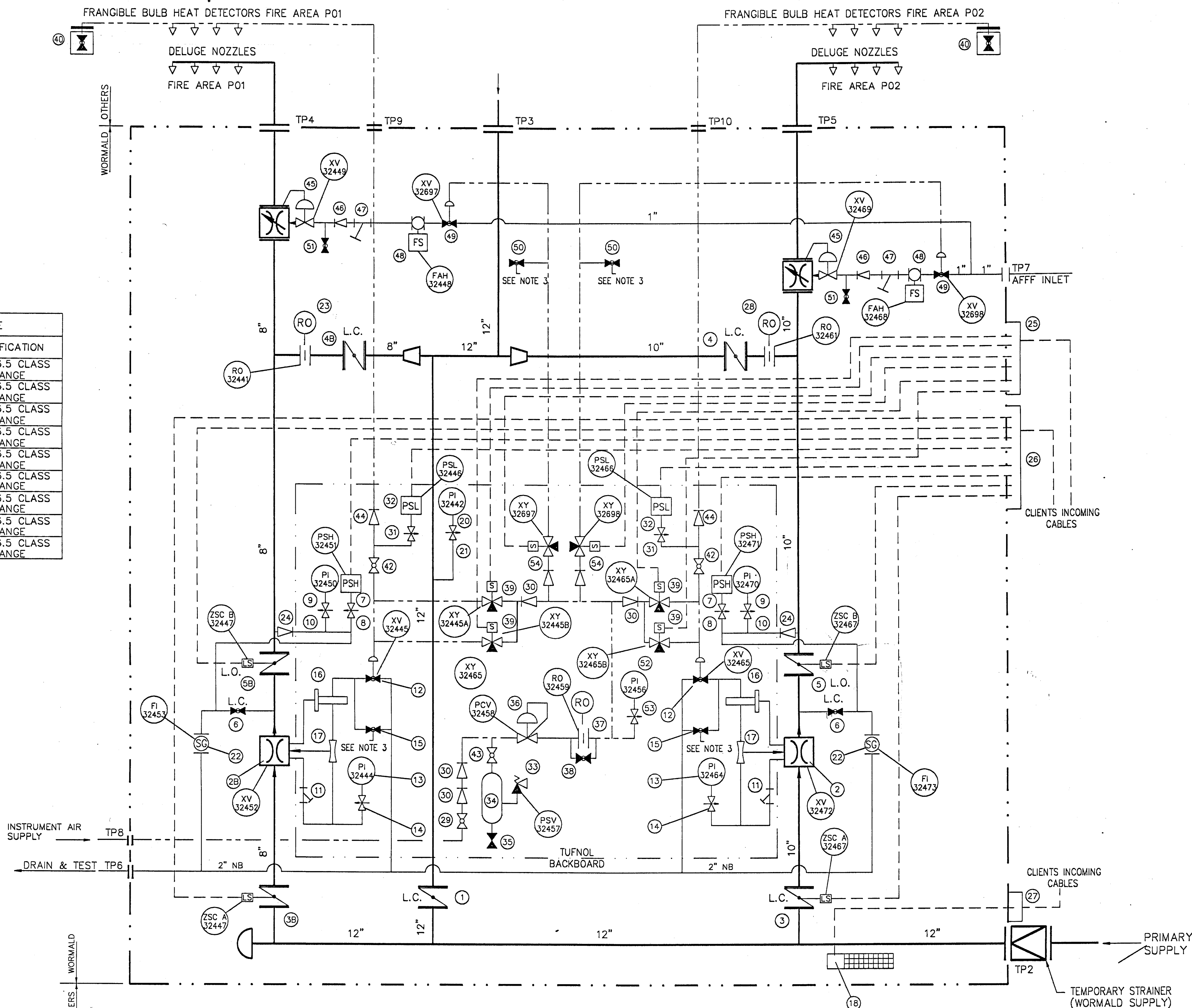
AMERADA HESS LIMITED
Scott Field Development

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
☒ Yes ☐ No ☐ Not Applicable
B There are no design changes, other than incorporation of Company comments, from previous submission
☒ Yes ☐ No
Seller's Verifying Statement:
This document accurately represents the "As Supplied" condition of the Work
Sellers Authorized Signature: *[Signature]* Date: 7/5/91



ITEM No.	SIZE	DESCRIPTION	SET POINT
1	12"	ALTERNATIVE BYPASS ISOLATION VALVE	
2A	10"	SURGE CONTROL DELUGE VALVE	
2B	8"	SURGE CONTROL DELUGE VALVE	
3A	10"	DELUGE SYSTEM ISOLATION VALVE C/W LIMIT SWITCH	
3B	8"	DELUGE SYSTEM ISOLATION VALVE C/W LIMIT SWITCH	
4A	10"	BYPASS ISOLATION VALVE	
4B	8"	BYPASS ISOLATION VALVE	
5A	10"	DELUGE SYSTEM ISOLATION VALVE C/W LIMIT SWITCH	
5B	8"	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	3/8"	WATER SUPPLY PRESSURE INDICATOR BLOCK / BLEED VALVE	
15	3/8"	LOCAL MANUAL RELEASE VALVE	
16	3/8"	PILOT VALVE	
17	3/8"	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 (P01)	
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 (P02)	
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	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	1"	PRESSURE CONTROL FOAM INDUCTION VALVE	
46	1"	FOAM INLINE CHECK VALVE	
47	1"	FOAM LINE STRAINER	
48	1"	FLOW SWITCH	
49	1"	PNEUMATICALLY OPERATED FOAM ISOLATION VALVE	
50	1/2"	FOAM MANUAL RELEASE VALVE	
51	1/2"	FOAM LINE DRAIN VALVE	
52	4" DIA	AIR SUPPLY PRESSURE INDICATOR	
53	1/2"	AIR SUPPLY PRESSURE INDICATOR BLOCK & BLEED VALVE	
54	1/2"	FOAM SYSTEM 3 PORT DETECTION SOLENOID VALVE	

NOTES

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH -
GENERAL ARRANGEMENT - WO.912551/C03/013
FABRICATION DETAIL - WO921551/C04/013
ELECTRICAL TERMINATION DETAIL - WO912551/F04/007
- PROJECT PIPING SPECIFICATION - SCOTT FW 0000 PI SP 0001
- LOCAL MANUAL RELEASE VALVE (ITEMS 15 & 50) TO BE MOUNTED AT FRONT OF SKID WITH EXTENDED LEVER 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		DELUGE & SPRINKLER CONTROL SKIDS		
<input type="checkbox"/> 3. Qualified Acceptance - Minor Comments. Review & Resubmit to Obtain Code 2 Work May Proceed		Equip Nos	LD-3208A	
<input type="checkbox"/> 4. Qualified Acceptance - Minor Comments. Review & Resubmit to Obtain Code 2 Work May Proceed		SDRS Codes	D01	
<input type="checkbox"/> 5. Qualified Acceptance - Major Comments. Review & Resubmit to Obtain Code 2 Work May Proceed		Module	P12	Sheet 1 of 1
<input type="checkbox"/> 6. Rejected - Review & Resubmit Immediately Work May Not Proceed in The Affected Areas		Purchase Order No	Document No	Rev
<input type="checkbox"/> 7. Review Not Required		PO 160	D 01013015	
Company's Signature: _____ Date: _____				

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 0012 PO 160	DRAWING NUMBER	WO.912551/D01/013
TITLE	PIPING AND INSTRUMENT DIAGRAM FOR 8" & 10" DELUGE/FOAM SKID EQUIPMENT No LD-3208A		
ISSUE	01	02	03
CAD DRG REF	D01-013		