

**AMERADA HESS LIMITED**  
Scott Field Development

**RETURN CODE 8**

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

### LEGEND

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

### INTERFACE & CONNECTION TABLE

REF	SIZE	DESCRIPTION	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 (P91)	ANSI B16.5 CLASS 150lb FLANGE
TP5	6"	FIREWATER OUTLET (P06)	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 (P06)	ANSI B16.5 CLASS 150lb FLANGE

**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

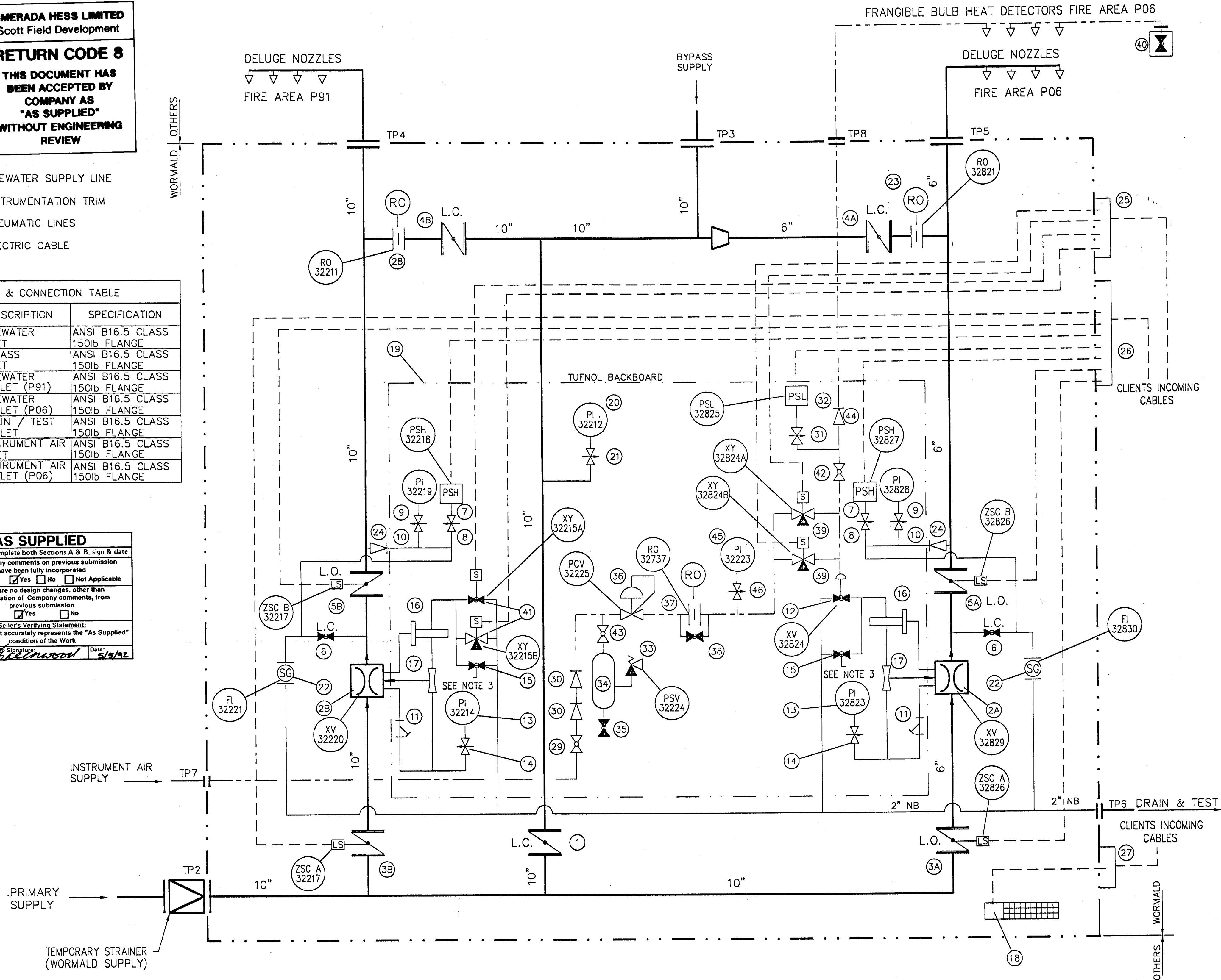
☒ Yes ☐ No

**Seller's Verifying Statement:**






This document accurately represents the "As Supplied" condition of the Work.

condition of the work	
Sellers Authorized Signature:	Date: 7/10

W. J. R. WOOD	5/3
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ITEM No.	SIZE	DESCRIPTION	SET POINT
1	10"	ALTERNATIVE BYPASS ISOLATION VALVE	
2A	6"	SURGE CONTROL DELUGE VALVE	
2B	10"	SURGE CONTROL DELUGE VALVE	
3A	6"	DELUGE SYSTEM ISOLATION VALVE C\W LIMIT SWITCH	
3B	10"	DELUGE SYSTEM ISOLATION VALVE C\W LIMIT SWITCH	
4A	6"	BYPASS ISOLATION VALVE	
4B	10"	BYPASS ISOLATION VALVE	
5A	6"	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	1.5 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 (P06)	
24	1/2"	CHECK VALVE (PRESSURE SWITCH TESTING)	
25	—	NON I.S. JUNCTION BOX EE'x'e' 24VDC	
26	—	I.S. JUNCTION BOX EE'x'e' 24VDC	
27	—	HEATER JUNCTION BOX 254VAC	
28	HOLD	BYPASS RESTRICTED ORIFICE (P91)	
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	4" DIA	AIR SUPPLY PRESSURE INDICATOR	
46	1/2"	AIR SUPPLY PRESSURE INDICATOR BLOCK & BLEED VALVE	

05	MAY 92	D.O.N	SR		MADE AS SUPPLIED STATUS
04	JUL '91	G.B.	SR		CLIENTS COMMENTS INCORPORATED
					RE-ISSUED FOR APPROVAL
03	MAY 91	W.G.	SR		CLIENTS COMMENTS INCORPORATED
					RE-ISSUED FOR APPROVAL
02	MAR 91	GR	SR		CLIENTS COMMENTS INCORPORATED
					RE-ISSUED FOR APPROVAL
01	JAN 91	PRB	SR		ISSUED FOR APPROVAL
ISSUE	DATE	BY	CHKD	APPD	REVISION
REVISIONS					

## NOTES

- 1) THIS DRAWING IS TO BE READ IN CONJUNCTION WITH -  
GENERAL ARRANGEMENT - W0.912551/C03/017  
FABRICATION DETAIL - W0921551/C04/017  
ELECTRICAL TERMINATION DETAIL - W0912551/F04/012
- 2) PROJECT PIPING SPECIFICATION - SCOTT FW 0000 PI SP 0001
- 3) LOCAL MANUAL RELEASE VALVE (ITEM 15) TO BE PANEL MOUNTED  
BALL VALVE WITH HANDLE TO BE OPERATED FROM OUTSIDE SKID

COMPANY RETURN CODES

- ☐ 1. Accepted "As Supplied"
- ☐ 2. Accepted- No Comments
- ☐ 3. Qualified Acceptance - Minor Comments.  
Revise & Resubmit as "As Supplied"  
Work May Proceed
- ☐ 4. Qualified Acceptance - Minor Comments.  
Revise & Resubmit To Obtain Code 2  
Work May Proceed
- ☐ 5. Qualified Acceptance - Major Comments.  
Revise & Resubmit To Obtain Code 2  
Work May Proceed
- ☐ 6. Rejected - Revise & Resubmit Immediately  
Work May Not Proceed In The Affected  
Areas
- ☐ 7. Review Not Required

AMERADA HESS LIMITED

### SCOTT FIELD DEVELOPMENT

Package Desc	DELUGE & SPRINKLER CONTROL SKIDS		
Equip Nos	LD-3213A		
SDRS Codes	D01		
Module	P11	Sheet 1 of 1	
Purchase Order No	Document No	Rev	
PO 160	D	010117	015


**WORMALD**  
 ENGINEERING & CONTRACTING DIVISION

PROJECT	SCOTT FIELD DEVELOPMENT
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N.T.S.	W.E. JOB N°	WO912551	ITEM N°	CLIENT	AMERADA HESS LIMITED
	DRAWN BY	P. BUCKLEY	DATE		

ORIGINAL SCALE:	CLIENTS ORDER N° T000 LC RM 0003 PO 160	DRAWING NUMBER	WO.912551/D01/017				
	TITLE	ISSUE	01	02	03	04	05
	PIPING AND INSTRUMENT DIAGRAM FOR 6" & 10" DELUGE VALVE SKID EQUIPMENT No LD-3213A						
		CAD DRG	D01-017				

ORIGINAL SCALE: N.T.S.

ORIGINAL SCALE: N.T.S.