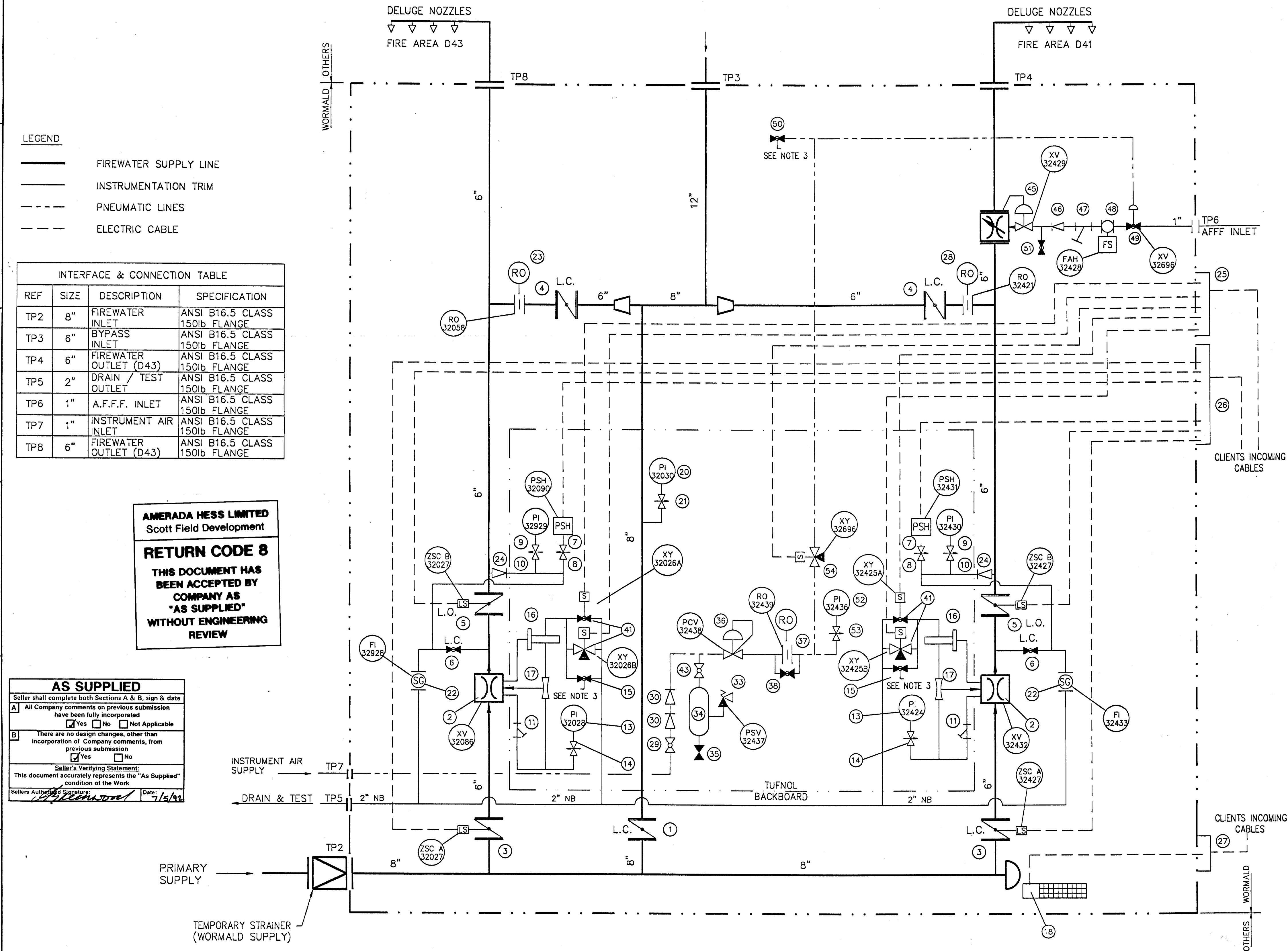


LEGEND
FIREWATER SUPPLY LINE
INSTRUMENTATION TRIM
PNEUMATIC LINES
ELECTRIC CABLE

INTERFACE & CONNECTION TABLE			
REF	SIZE	DESCRIPTION	SPECIFICATION
TP2	8"	FIREWATER INLET	ANSI B16.5 CLASS 150lb FLANGE
TP3	6"	BYPASS INLET	ANSI B16.5 CLASS 150lb FLANGE
TP4	6"	FIREWATER OUTLET (D43)	ANSI B16.5 CLASS 150lb FLANGE
TP5	2"	DRAIN / TEST OUTLET	ANSI B16.5 CLASS 150lb FLANGE
TP6	1"	A.F.F.F. INLET	ANSI B16.5 CLASS 150lb FLANGE
TP7	1"	INSTRUMENT AIR INLET	ANSI B16.5 CLASS 150lb FLANGE
TP8	6"	FIREWATER OUTLET (D43)	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	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable	
B) There are no design changes, other than incorporation of Company comments, from previous submission	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Seller's Verifying Statement: This document accurately represents the "As Supplied" condition of the Work	
Seller's Authorized Signature: <i>[Signature]</i>	Date: 7/5/92



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

- NOTES
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH -
GENERAL ARRANGEMENT - WO.912551/C03/021
FABRICATION DETAIL - WO921551/C04/021
ELECTRICAL TERMINATION DETAIL - WO912551/F04/009
 - 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	
<input type="checkbox"/> 1. Accepted "As Supplied"	
<input type="checkbox"/> 2. Accepted - No Comments	
<input type="checkbox"/> 3. Qualified Acceptance - Minor Comments. Revises & Resubmits as "As Supplied" Work May Proceed	
<input type="checkbox"/> 4. Qualified Acceptance - Minor Comments. Revises & Resubmits to Obtain Code 2 Work May Proceed	
<input type="checkbox"/> 5. Qualified Acceptance - Major Comments. Revises & Resubmits to Obtain Code 2 Work May Proceed	
<input type="checkbox"/> 6. Rejected - Revises & Resubmits Immediately Work May Not Proceed in The Affected Areas	
<input type="checkbox"/> 7. Review Not Required	

AMERADA HESS LIMITED SCOTT FIELD DEVELOPMENT	
Package Desc	DELUGE & SPRINKLER CONTROL SKIDS
Equip Nos	LD-3211B
SDRS Codes	D01
Module	D21
Purchase Order No	PO 160
Document No	0
Rev	010211015

ITEM No.	SIZE	DESCRIPTION	SET POINT
1	8"	ALTERNATIVE BYPASS ISOLATION VALVE	
2	6"	SURGE CONTROL DELUGE VALVE	
3	6"	DELUGE SYSTEM ISOLATION VALVE C/W LIMIT SWITCH	
4	6"	BYPASS ISOLATION VALVE	
5	6"	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 (D43)	
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 (D41)	
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	

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/D01/021
TITLE	PIPING AND INSTRUMENT DIAGRAM FOR 6" DELUGE/FOAM SKID EQUIPMENT No LD-3211B		
ISSUE	01 02 03 04 05		
CAD DRG REF	D01-021		