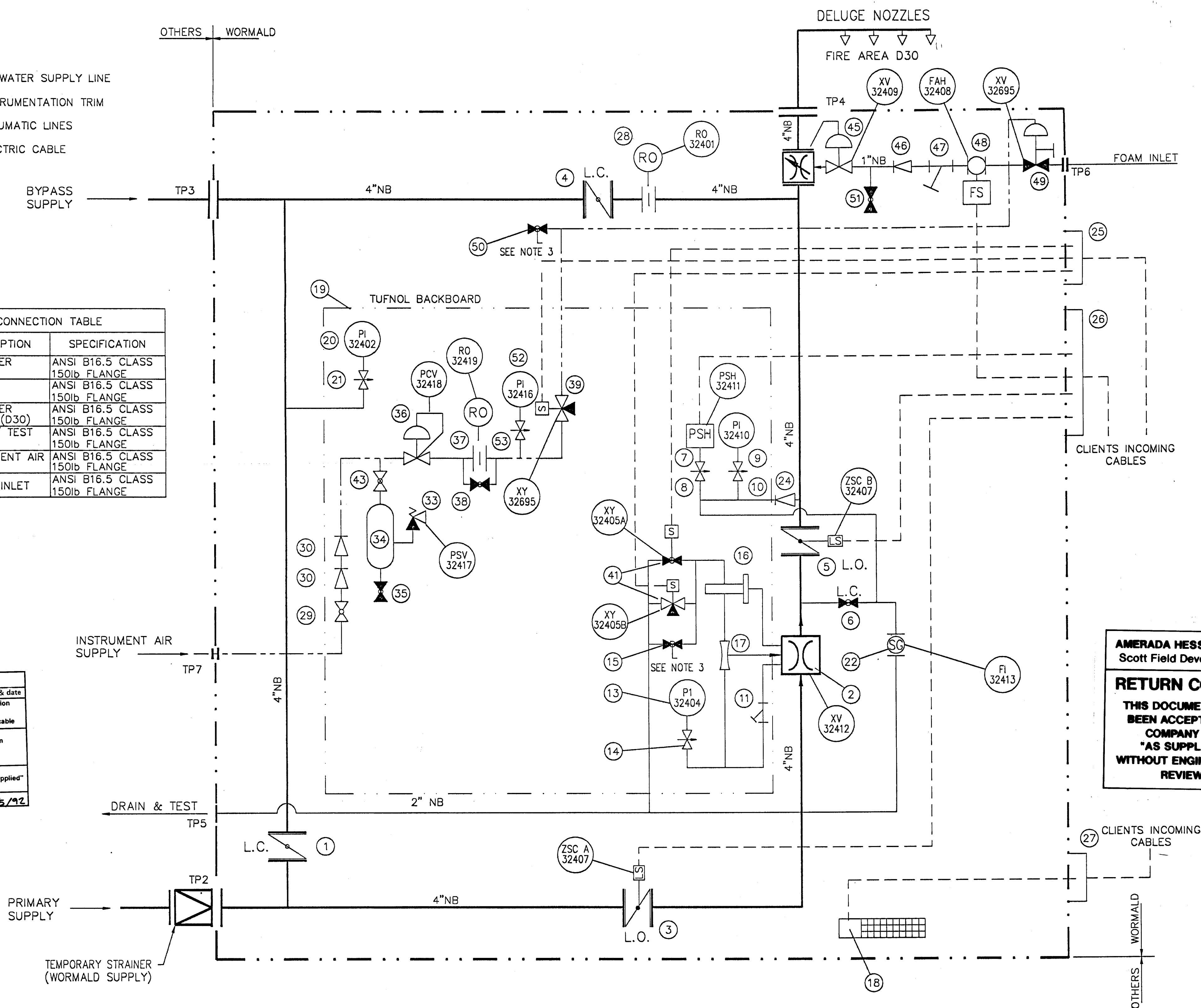


LEGEND

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

INTERFACE & CONNECTION TABLE			
REF	SIZE	DESCRIPTION	SPECIFICATION
TP2	4"	FIREWATER INLET	ANSI B16.5 CLASS 150lb FLANGE
TP3	4"	BYPASS INLET	ANSI B16.5 CLASS 150lb FLANGE
TP4	4"	FIREWATER OUTLET (D30)	ANSI B16.5 CLASS 150lb FLANGE
TP5	2"	DRAIN / TEST OUTLET	ANSI B16.5 CLASS 150lb FLANGE
TP6	1"	INSTRUMENT AIR INLET	ANSI B16.5 CLASS 150lb FLANGE
TP7	1"	A.F.F.F. INLET	ANSI B16.5 CLASS 150lb FLANGE

<b>AS SUPPLIED</b>	
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:	Date: 5/5/92



ITEM No.	SIZE	DESCRIPTION	SET POINT
1	4"	ALTERNATIVE BYPASS ISOLATION VALVE	
2	4"	SURGE CONTROL DELUGE VALVE	
3	4"	DELUGE SYSTEM ISOLATION VALVE C/W LIMIT SWITCH	
4	4"	BYPASS ISOLATION VALVE	
5	4"	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	—	NOT USED	
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 (D30)	
29	1/2"	INSTRUMENT AIR SUPPLY ISOLATION	
30	—	NOT USED	
31	—	NOT USED	
32	—	NOT USED	
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	—	NOT USED	
41	1/2"	SOLENOID OPERATED VALVE	
42	—	NOT USED	
43	1/2"	AIR RESERVOIR ISOLATION VALVE	
44	—	NOT USED	
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	

NOTES

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH -  
GENERAL ARRANGEMENT - WO.912551/C03/020  
FABRICATION DETAIL - WO921551/C04/020  
ELECTRICAL TERMINATION DETAIL - WO912551/F04/004
- 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 SCOTT FIELD DEVELOPMENT	
<input type="checkbox"/> 1. Accepted "As Supplied"		Package Desc	DELUGE & SPRINKLER CONTROL SKIDS
<input type="checkbox"/> 2. Accepted - No Comments		Equip Nos	LD-3211A
<input type="checkbox"/> 3. Qualified Acceptance - Minor Comments. Review & Resubmit as "As Supplied" Work May Proceed		SORS Codes	D01
<input type="checkbox"/> 4. Qualified Acceptance - Minor Comments. Review & Resubmit To Obtain Code 2 Work May Proceed		Module	D11
<input type="checkbox"/> 5. Qualified Acceptance - Major Comments. Review & Resubmit To Obtain Code 2 Work May Proceed		Purchase Order No	PO 160
<input type="checkbox"/> 6. Rejected - Review & Resubmit Immediately Work May Not Proceed in the Affected Areas		Document No	D 010210015
<input type="checkbox"/> 7. Review Not Required		Rev	
Company's Signature: _____ Date: _____			

<b>WORMALD</b> 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 4" DELUGE / FOAM SKID EQUIPMENT No LD-3211A		
DRAWING NUMBER	WO.912551/D01/020		
ISSUE	01 02 03 04 05		
CAD DRG REF	D01-020		

REVISIONS

NO	DATE	BY	CHKD	APPD	REVISION
05	MAY 92	D.O.N	SL	SL	MADE AS SUPPLIED STATUS
04	JUL 91	G.B.	SL	SL	CLIENTS COMMENTS INCORPORATED
					RE-ISSUED FOR APPROVAL
03	MAY 91	W.G.	SL	SL	CLIENTS COMMENTS INCORPORATED
					RE-ISSUED FOR APPROVAL
02	MAR 91	GR	SL	SL	CLIENTS COMMENTS INCORPORATED
					RE-ISSUED FOR APPROVAL
01	JAN 91	PRB	SL	SL	ISSUED FOR APPROVAL
ISSUE	DATE	BY	CHKD	APPD	REVISION