

LEGEND

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

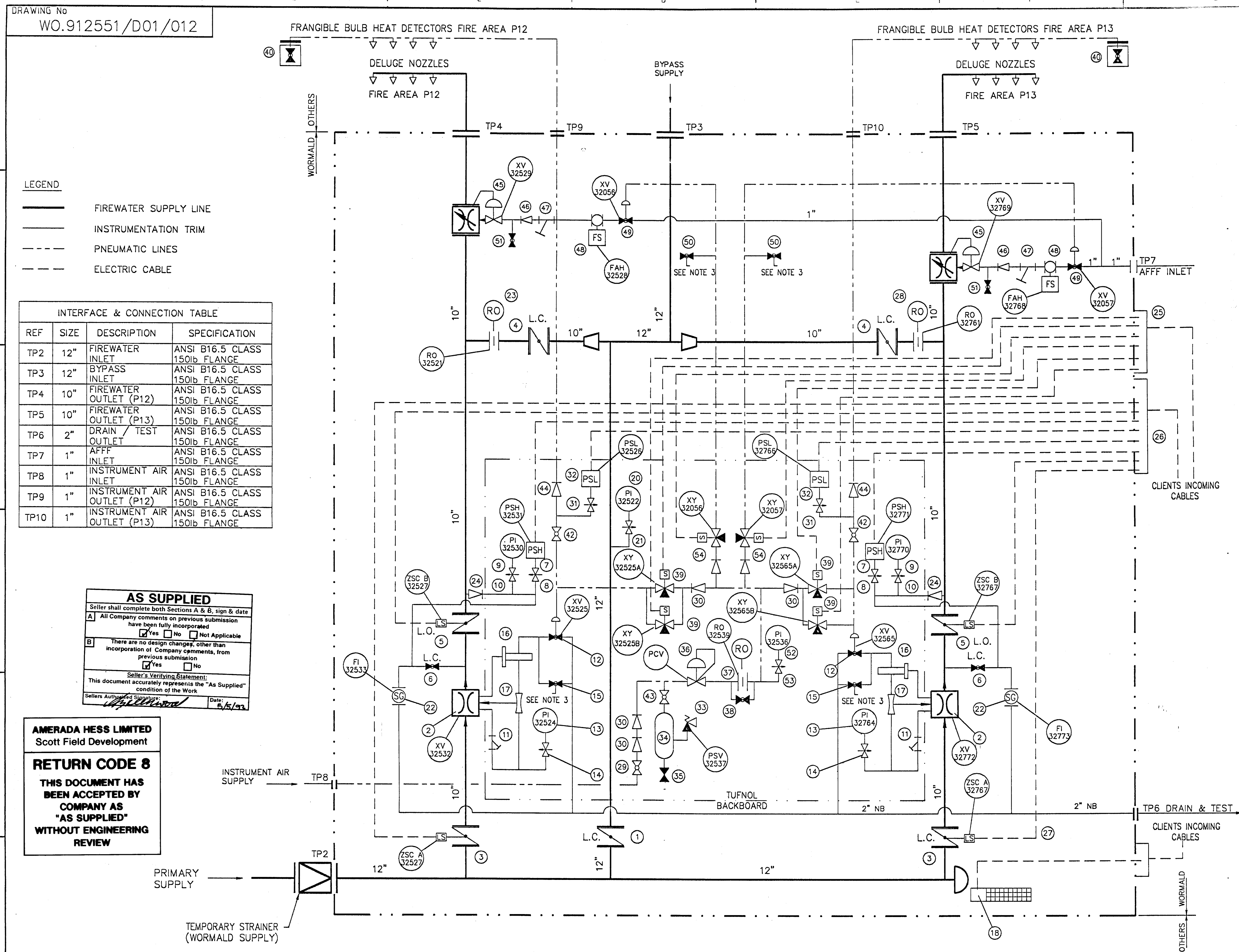
| INTERFACE & CONNECTION TABLE | | | |
|------------------------------|------|-----------------------------|-------------------------------|
| REF | SIZE | DESCRIPTION | SPECIFICATION |
| TP2 | 12" | FIREWATER INLET | ANSI B16.5 CLASS 150lb FLANGE |
| TP3 | 12" | BYPASS INLET | ANSI B16.5 CLASS 150lb FLANGE |
| TP4 | 10" | FIREWATER OUTLET (P12) | ANSI B16.5 CLASS 150lb FLANGE |
| TP5 | 10" | FIREWATER OUTLET (P13) | 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 (P12) | ANSI B16.5 CLASS 150lb FLANGE |
| TP10 | 1" | INSTRUMENT AIR OUTLET (P13) | 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 <input checked="" type="checkbox"/> | No <input type="checkbox"/> Not Applicable |
| B There are no design changes, other than incorporation of Company comments, from previous submission | |
| Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| Seller's Verifying Statement: This document accurately represents the "As Supplied" condition of the Work | |
| Seller's Authorized Signature: _____ | Date: 5/5/93 |

AMERADA HESS LIMITED
Scott Field Development

RETURN CODE 8

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



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

REVISIONS

NOTES

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH -
GENERAL ARRANGEMENT - WO.912551/C03/012
FABRICATION DETAIL - WO921551/C04/012
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 | |
|--|--|
| <input type="checkbox"/> 1. Accepted "As Supplied" | |
| <input type="checkbox"/> 2. Accepted - No Comments | |
| <input type="checkbox"/> 3. Qualified Acceptance - Minor Comments. Review & Resubmit as "As Supplied" Work May Proceed | |
| <input type="checkbox"/> 4. Qualified Acceptance - Minor Comments. Review & Resubmit To Obtain Code 2 Work May Proceed | |
| <input type="checkbox"/> 5. Qualified Acceptance - Major Comments. Review & Resubmit To Obtain Code 2 Work May Proceed | |
| <input type="checkbox"/> 6. Rejected - Review & Resubmit 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-3207C |
| SDRS Codes | D01 |
| Module | P13 |
| Purchase Order No | PO 160 |
| Document No | D 010112015 |
| Rev | |

| ITEM No. | SIZE | DESCRIPTION | SLIP 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 | 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 (P12) | |
| 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 (P13) | |
| 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/D01/012 |
| TITLE | PIPING AND INSTRUMENT DIAGRAM FOR 10" DELUGE/FOAM SKID EQUIPMENT No LD-3207C | | |
| ISSUE | 01 | 02 | 03 |
| CAD ORG REF | D01-012 | | |