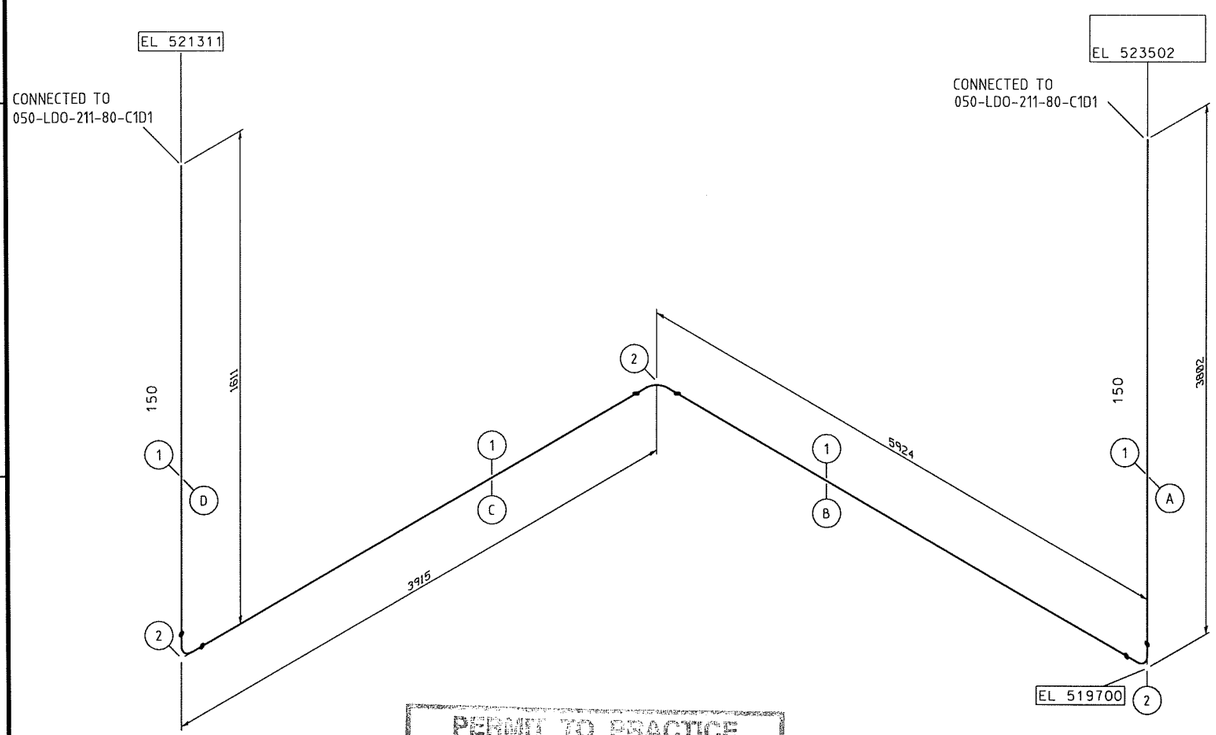


## Shop Materials — BILL OF MATERIALS

| Item | Qty | Spec | Size1-Size2 | Description |
|---|---|---|---|---|
| 1 | 14338 | C1A1 | 150 | Pipe CS, ERW, BE, STD, ASTM-A53-B, ANSI B36.10 |
| 2 | 3 | C1A1 | 150 | ELBOW 90 Degrees, Short Radius, CS, BE, STD wt., ASTM A234 WPB, ANSI B16.9 |

| Item | Size | Pipe Cut-Lengths | Description |
|---|---|---|---|
| A | 150 | 3650 | Pipe CS, ERW, BE, STD, ASTM-A53-B, ANSI B36.10 |
| B | 150 | 5619 | Pipe CS, ERW, BE, STD, ASTM-A53-B, ANSI B36.10 |
| C | 150 | 3610 | Pipe CS, ERW, BE, STD, ASTM-A53-B, ANSI B36.10 |
| D | 150 | 1459 | Pipe CS, ERW, BE, STD, ASTM-A53-B, ANSI B36.10 |

PERMIT TO PRACTICE
HATCH LTD.
Signature
Date January 31, 2005
PERMIT NUMBER: P 512
The Association of Professional Engineers, Geologists and Geophysicists of the NWT / NU

REGISTERED PROFESSIONAL ENGINEER
J.C. PARADIS
LICENSEE
L1541
NWT/NU
31/01/05

| REV. | ISSUE FOR | AUTH. BY | STRESS | DATE |
|---|---|---|---|---|
| 0 | FABRICATION CG-501 | | | 31/01/05 |

| | | | | | |
|---|---|---|---|---|---|
| MATERIAL TYPE | | NOM OP TEMP | | P&ID NO. | 150-06-0101 |
| P.W.H.T. | | NOM OP PRESSURE | | LDT REF | |
| NDT | | INSULATION | | PIPE SPEC | |
| TEST MEDIA | | PAINT SPEC | | FAB SPEC | |
| TEST PRESSURE | | COLOUR CODE | | DESIGN CODE | |

| System | Line no | Spool | Spec | Diameter | 2ND diam |
|---|---|---|---|---|---|
| LDO | 211A | | C1A1 | 150 | |

**HATCH**

DESIGNED BY — DATE 31/01/05
DRAWN BY — DATE 28/1/2005
CHECKED BY — DATE 31/01/05
DISCIP. ENGR. — DATE 31/01/05
PROJ. DES. COORD. — DATE 31/01/05
PROJ. ENGR. — DATE 31/01/05
PROJ. MGR. — DATE 2005-01-31

JERICHO DIAMOND PROJECT

PROJECT NUMBER 316996

AREA 050

LINE NUMBER 050-LDO-211A-150-C1A1

DRG. NO. 050-04-211A-C1A1-1

SHEET 1 OF 1

REV. 0

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