SURFACE MOUNTED CONTINUOUS BASE INSTALLATION

THIS CONFIGURATION IS MOST OFTEN USED FOR PLANT MAINTENANCE, REPAIR AND SERVICE APPLICATIONS.

THE LIFT UNIT TRANSLATES TO THE REAR APPROXIMATELY 36 1/8" DURING THE VERTICAL ARTICULATION.

75-35-SURFACE

PAGE 2 of 2
STANDARD CONSOLE LOCATION LAYOUT

SEE NOTE 18 IN REGARDS TO ALTERNATE LOCATIONS

75-35-SURFACE

C-size

NOTICE OF CONFIDENTIAL INFORMATION

NOTES:
1. REMOVE ALL SHARP CORNERS & EDGES.
2. UNLESS OTHERWISE SPECIFIED, SURFACE FINISH TO BE 200 SG.
3. VLTING MATERIAL SHALL CONFORM TO SGS SPECIFICATIONS TO E-701 ELECTRONICS OR E-7215 CODE 60 FLAME RESISTANCE ONLY.

MOHAWK RESOURCES LTD.

FILE NAME: P-2710-A-001

NEXT ASSEMBLY

DATE 12/09
WEIGHT LH

DRAWING NUMBER P-2710-A-001
LIFT & CONSOLE SUBGRADE CONDUIT LOCATIONS, SECTION VIEWS

UNITS = INCH (mm) = POUND (kg)

SECTION C-C

SECTION B-B

SECTION D-D

NOTICE OF CONFIDENTIAL INFORMATION

MOHAWK RESOURCES LTD.

FILE NAME: P-010-D-002

NEXT ASSEMBLY: 4/10

DATE: 4/10

WEIGHT: LL

FROM: P-010-D-002

MANUFACTURE NUMBER: 4-10

DEPARTED: 4/10

CHECKED: 4/10

APPRISED: 4/10

TITLE: LIFT & CONSOLE CONDUIT LOCATIONS, SECTION VIEWS

MOHAWK RESOURCES LTD.

NOTICE OF CONFIDENTIAL INFORMATION

1. REMOVE ALL SHARP EDGES & CORNERS.
2. UNLESS OTHERWISE SPECIFIED, SURFACE FINISH TO BE 200 Grit.
3. WELDING RECOMMENDED TO APPLY SPECIFICATIONS TO BUYER'S ELECTRICALS OR E-7773 (DIESEL) FLOW CORE WIRE ONLY.

P-010-A-001

SCALE: 1/10

DRAWN: 4/10

2.00 TYP. (51)

LONGITUDINAL CENTERLINE OF LIFT UNIT

40.50
(1029)

40.50
(1029)

SECTION C-C

1

THREAD TERMINAL END OF CONDUIT (TYP)

44.50
(1130)

44.50
(1130)

SECTION D-D

1

4

TO CONTROL PANEL

18.00 (457) MIN
20.00 (508) MAX

SECTION B-B

TO LIFT UNIT

SEAL BARRIER AT EACH CONDUIT GOING TO LIFT UNIT (BY OTHERS)

AIR MANIFOLD

OPERATOR SIDE OF POWER CONSOLE

INCOMING AIR LINE (BY OTHERS)

JUNCTION BOX

FLEX CONDUIT FOR INCOMING POWERLINE (BY OTHERS)
SEE NOTES 19 & 20

36.50
(927)

36.50
(927)

TO LIFT UNIT

TO CONTROL PANEL

2.00 TYP. (51)

LONGITUDINAL CENTERLINE OF LIFT UNIT

4.00 (102)

4.00 (102)

4.00 (102)

4.00 (102)
TOP VIEW OF CONSOLE FRAME

UNITS = INCH (mm)

BY OTHERS

CONTROL CONSOLE & STUB-UP DETAILS

INCOMING CONDUITS TO PROTRUDE FROM FLOOR ~18” (460–500 mm) AS SHOWN (SEE TOP VIEW)

CONDUIT SIZES & APPLICATION:

A: 1” (25.4) (MIN) SCHED 40 STEEL PIPE – INCOMING POWER CUSTOMER
B: 1” (25.4) (MIN) SCHED 40 STEEL PIPE – INCOMING AIRLINE PREFERENCE
G, D: 4” (101) SCHED 40 PVC PIPE – HYDRAULIC & AIR TO LIFT
E, F, G, H: 1” (25.4) (MIN) SCHED 40 STEEL PIPE – ELECTRICAL TO LIFT

* NOTE: USE SMOOTH ELECTRICAL 90°S IN CONDUITS, NOT PLUMBING 90° S!!
### Lift Data Table

**Mohawk Resources, Ltd.**

**Parallelogram Lift Model 75–35–Surface**

<table>
<thead>
<tr>
<th>Lift Unit Data</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Load Capacity (lbs)</td>
<td>75,000 (34020 kg)</td>
</tr>
<tr>
<td>Anchorage</td>
<td></td>
</tr>
<tr>
<td>Anchor Bolt Diameter (in)</td>
<td>3/4&quot; (19)</td>
</tr>
<tr>
<td>Total Number of Anchor Bolts</td>
<td>8</td>
</tr>
<tr>
<td>Bolt Pattern</td>
<td>See Anchor Details</td>
</tr>
<tr>
<td>Minimum Embedment Length (in)</td>
<td>3&quot; (76)</td>
</tr>
<tr>
<td>Minimum Concrete Thickness (in)</td>
<td>6&quot; (152) on grade (see note 23)</td>
</tr>
</tbody>
</table>

### Hydraulic

| Reservoir Capacity (gal)             | 50 gallons (114 liters) |
| Oil Type                             | Dexron III (ATF)         |
| Electrical                           |                   |
| Motor Horsepower (HP)                | 20 (15 kW) |
| 206/230 V 3 PH                      | 60 Ampere |
| 5 V 3 PH                             | 50 Ampere |
| Control Circuit Transformer 1000 VA  | 7.7 Amp |
| 24 VDC Power Supply                 | 4.8 Amp |
| Light Fixtures (Optional Lighting Kit)| QTY: 8 |
| Shop Air                             |       |
| Air Pressure (PSI)                   | 50 to 100 PSI (586 to 690 Pa) |
| Air Volume - Lift (cfm/locks)       | 50 cfm (0.636 cm³/min) |
| Air Volume - Optional Rolling Jack (cfm)| 25 cfm each (0.2 cm³/min) |
| Air Volume - Optional Shop Air Kit (cfm)| 20 cfm (0.25 cm³/min) |
| Air Volume - Total Req'd Capacity (cfm)| 50 cfm Minimum (0.6 cm³/min) |
| Air Volume - Total Req'd Capacity (cfm)| 50 cfm Supplied (0.4 cm³/min) |

### Required Material List

Materials shown on this list shall be used without substitution unless specifically approved in writing by Mohawk Resources, Ltd.

<table>
<thead>
<tr>
<th>Item</th>
<th>Qty</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>1</td>
<td>Lockout/Tagout Disconnect Box</td>
</tr>
<tr>
<td>10*</td>
<td>1</td>
<td>Leveling Shims 1/16&quot; (1.6), 1/8&quot; (3.2), 1/4&quot; (6.4) Thr</td>
</tr>
<tr>
<td>9</td>
<td>4</td>
<td>1&quot; (25.4) Seal Barrier Crouse - Hinds E3</td>
</tr>
<tr>
<td>8</td>
<td>4</td>
<td>1-3/4&quot; (44) Reducer Bushing Crouse - Hinds E3</td>
</tr>
<tr>
<td>7</td>
<td>4</td>
<td>1&quot; (25.4) SCH 40-90 deg elbow Crouse - Hinds E3</td>
</tr>
<tr>
<td>6*</td>
<td>1</td>
<td>Junction Box (in console) Steel</td>
</tr>
<tr>
<td>5</td>
<td>AR</td>
<td>SEALITE Flexible Conduit Metal Core</td>
</tr>
<tr>
<td>4</td>
<td>1</td>
<td>1&quot; (25.4) Rigid Conduit Steel</td>
</tr>
<tr>
<td>3</td>
<td>1</td>
<td>Filter/Lubricator/Regulator, Dryer, Switchoff</td>
</tr>
<tr>
<td>2</td>
<td>AR</td>
<td>4&quot; (102) SCH 40 Street Elbow Steel or PVC</td>
</tr>
<tr>
<td>1</td>
<td>AR</td>
<td>4&quot; (102) SCH 40 Pipe Steel or PVC</td>
</tr>
</tbody>
</table>

* Items supplied by Mohawk with the lift unit

Units = Inch (mm) = Pounds (kg)
GENERAL NOTES

NOTE 1

IF THE EXISTING CONCRETE FLOOR HAS A DOCUMENTED MINIMUM STRENGTH OF NOT LESS THAN F'c=4,000 psi (27.6 MPa) and is at least 6 inches (152) thick, then the floor system may be used without alterations. Generally any floor area which is designed for vehicles of the same weight as the lift unit maximum capacity will be adequate for installation of the lift unit. Lift unit contact pressures will be equal to or less than the wheel contact pressures.

NOTE 2

IF THE CONCRETE FLOOR SYSTEM DOES NOT MEET MINIMUM SPECIFICATIONS OF NOTE 1 ABOVE, THEN A NEW CONCRETE FLOOR SHALL BE INSTALLED TO SUPPORT THE LIFT.

NOTE 3

IF THE STRENGTH OF AN EXISTING FLOOR SYSTEM IS UNKNOWN OR NOT DOCUMENTED, ITS STRENGTH SHOULD BE DETERMINED. CORE SAMPLES SHOULD BE TAKEN TO DETERMINE THE STRENGTH OF THE FLOOR.

NOTE 4

ANY NEW CONCRETE USED FOR REPAIRS OR ALTERATIONS TO THE FLOOR SYSTEM SHALL BE AT A MINIMUM F'c=4,000 psi (27.6 MPa), with heavy aggregate. For any new concrete it shall reach its full 28 DAY F'c STRENGTH BEFORE THE LIFT AND THE ANCHOR BOLTS ARE INSTALLED.

NOTE 5

ANY NEW CONCRETE USED FOR FLOOR REPAIRS OR ALTERATIONS SHALL HAVE REINFORCING AS REQUIRED FOR THE SOIL CONDITIONS AND VEHICLE LOAD LEVEL. The REINFORCING SHALL BE DETECTED BY OTHERS, a minimum two layers of 6 x 8 1/2/10 WEIDLE WIRE FABRIC SHALL BE USED FOR ANY FLOOR REPAIRS. ALSO, FLOOR REPAIRS SHALL BE DOWELLED INTO THE EXISTING FLOOR SYSTEM TO PREVENT DIFFERENTIAL SETTLEMENT.

NOTE 6

FOR INSTALLATION IN EXISTING STRUCTURES, AREAS OF THE FLOOR WHICH ARE CUT AND REMOVED FOR SERVICE CONDUIT INSTALLATIONS SHALL BE REPAIRED WITH CONCRETE HAVING MINIMUM STRENGTH OF NOT LESS THAN F'c=4,000 psi (27.6 MPa), and is at least 9 inches (229) thick in the areas around and to the rear of the service legs.

NOTE 7

FOR NEW CONSTRUCTION, THE AREAS OF THE FLOOR ALONG THE LIFT RUNWAYS SHOULD BE DEEPENED TO 9 INCHES (229) FOR CASE OF ANCHOR INSTALLATION. ALSO, PROVIDE A MINIMUM 9 INCH (229) THICKNESS AROUND AND TO THE REAR OF THE SERVICE LEGS.

FOR NEW CONSTRUCTION WHERE IN FLOOR RADIANT HEATING TUBES ARE USED, THESE TUBES MAY BE PLACED UNDER THE LIFT AREA PROVIDED THE FLOOR IS CAST SUITably THICK, A MINIMUM OF 6 INCHES (152) CLEANSpace SHOULD BE PROVIDED FOR ANCHOR BOLTS AND DRILLING ALLOWANCE. THE INSTALLER MUST BE NOTIFIED THAT RADIANT TUBES ARE USED SUCH THAT CARE IS TAKEN NOT TO OVERDRILL THE DEPTH OF THE ANCHORS.

NOTE 8

THE SUPPORT PLATES OF THE CONTINUOUS BASE SHALL NOT BE INSTALLED OVER A CONSTRUCTION JOINT OF THE FLOOR SYSTEM. THE SUPPORT BASE PLATES SHALL NOT BE PLACED NEARER THAN 10 INCHES (254) TO A CONSTRUCTION JOINT OR FREE EDGE OF THE FLOOR SLAB.

NOTE 9

A MAXIMUM OF ONE INCH (25.4) ANCHOR BOLT SHIM THICKNESS IS PERMITTED. INDIVIDUAL ANCHOR BOLT SHIMS ARE AVAILABLE IN A RANGE OF THICKNESSES.

NOTE 10

MORE THAN ONE INCH (25.4) OF SHIM LEVELING IS REQUIRED FULL SUPPORT PLATE CONTACT SHIMS ARE AVAILABLE AT ADDITIONAL COST. THE FULL CONTACT SHIM PLATES SHALL THEN BE ACCURATELY LEVELLED USING INDIVIDUAL ANCHOR BOLT SHIMS.

NOTE 11

WE-JT FASTENING SYSTEMS, AT WE-ARCH ANCHORS ARE PROVIDED WITH THE LIFT FOR ANCHORING THE FLOOR TO THE SYSTEM. THE NUMBER AND THE SIZE OF ANCHOR BOLTS SPECIFIED IN THE DRAWINGS MUST BE USED TO ATTACH THE LIFT UNIT. ANCHOR BOLTS OF FULL LENGTH MUST BE INSTALLED IN ALL LOCATIONS PROVIDED ON THE BASE OF THE LIFT UNIT.

SURFACE LIFTS ONLY

UNITS = INCH (mm)

MOHAWK RESOURCES LTD.