GRATING IS RECOMMENDED TO BE USED TO COVER THE ROLLING JACK POCKET DURING USE OF THE LIFT UNIT. THIS GRATING IS MANUALLY LOCATED FOR EACH USE OF THE LIFT. (GRATING TO BE PROVIDED BY OTHERS)

FLUSH MOUNTED INSTALLATION WITH MANUALLY COVERED ROLLING JACK LOWERING POCKET

THIS CONFIGURATION IS MOST OFTEN USED FOR FLEET MAINTENANCE APPLICATIONS THAT INVOLVE A MODERATE RATIO OF TIRE, WHEEL OR BRAKE SERVICES.

THE FRONT OF THE LIFT UNIT IS PLACED TO THE FRONT OF THE LIFT TRENCH. FOR THIS INSTALLATION, THE LIFT UNIT WILL TRANSLATE TO THE REAR AS IT ARTICULATES UPWARD. ALLOW APPROXIMATELY 60 INCHES AT THE REAR OF THE LIFT FOR THIS MOTION.
SECTION B-B

DEPT OF DRAINAGE
CHANNEL, VARIES
ALONG FRANCH LENGTH, SEE NOTE 8

6.00
(152)

18.30
(465)
SLOPE
SLOPE
SLOPE

SEE NOTE B, TYP

3.00 COVERAGE
(76)

1.00 TYP
(25)

8 = #6

FINISHED FLOOR ELEVATION

TWO LAYERS 6" x 10/10 MMT, TYP

#4 or 12 DOWELS, TYP

#4 or 12 TIES, TYP

UNITS = INCHES (mm)

100-42-F
PAGE 4 of 8
SECTION C–C

SECTION D–D

NOTES:
1. REMOVE ALL SHARP CORNERS & EDGES
2. UNLESS OTHERWISE SPECIFIED, SURFACE FINS TO BE 1/2" MW
3. TILES TO BE 1-1/2" MW
4. SPECIFICATIONS TO EXISTING CONDITION OR NOTED CONCRETE OR EXISTING PAVEMENT COULD BE USED ONLY

UNITS = INCHES (mm)
### Lift Data Table

**Lift Data Table**

MOHAWK RESOURCES, LTD
PARALELLOGRAM LIFT MODEL
100-42-FLUSH

<table>
<thead>
<tr>
<th>LIFT UNIT DATA</th>
<th>--</th>
<th>--</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAXIMUM LOAD CAPACITY (LBS)</td>
<td>100,000</td>
<td></td>
</tr>
<tr>
<td>ANCHORAGE</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>ANCHOR BOLT DIAMETER (IN.)</td>
<td>3/4&quot;</td>
<td></td>
</tr>
<tr>
<td>TOTAL NUMBER OF ANCHOR BOLTS</td>
<td>64</td>
<td></td>
</tr>
<tr>
<td>BOLT PATTERN</td>
<td>SEE ANCHOR DETAILS</td>
<td></td>
</tr>
<tr>
<td>ANCHOR BOLT SETTING TORQUE</td>
<td>N/A - SEE ANCHOR DETAILS</td>
<td></td>
</tr>
<tr>
<td>MINIMUM EMBRITTLEMENT LENGTH (IN.)</td>
<td>3.00</td>
<td></td>
</tr>
<tr>
<td>MINIMUM CONCRETE THICKNESS (IN.)</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>HYDRAULIC RESERVOIR CAPACITY (GAL)</td>
<td>50 TOTAL</td>
<td></td>
</tr>
<tr>
<td>ELECTRICAL</td>
<td>GEXRON III (ATF)</td>
<td></td>
</tr>
<tr>
<td>MOTOR HORSEPOWER</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>CONTROLLING CIRCUIT TRANSFORMER 1000 VA</td>
<td>7.69 AMP</td>
<td></td>
</tr>
<tr>
<td>24 VDC POWER SUPPLY</td>
<td>4.8 AMP</td>
<td></td>
</tr>
<tr>
<td>LIGHT FIXTURES (OPTIONAL LIGHTING KIT) QTY</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>SHOP AIR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIR PRESSURE (PSI)</td>
<td>85 to 100</td>
<td></td>
</tr>
<tr>
<td>AIR VOLUME - LIFT (CFM)(LOCKS)</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>AIR VOLUME - OPTIONAL ROLLING JACK (CFM)</td>
<td>25 EACH</td>
<td></td>
</tr>
<tr>
<td>AIR VOLUME - OPTIONAL SHOP AIR KIT (CFM)</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>AIR VOLUME - TOTAL REQ'D CAPACITY (CFM)</td>
<td>30 MINIMUM</td>
<td></td>
</tr>
<tr>
<td>AIR VOLUME - TOTAL REQ'D CAPACITY (CFM)</td>
<td>50 SUGGESTED</td>
<td></td>
</tr>
</tbody>
</table>

### 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>11**</td>
<td>AR</td>
<td>LEVELING SHIMS</td>
</tr>
<tr>
<td>10**</td>
<td>SN</td>
<td>3/4&quot; x 5&quot; ANCHOR BOLT ASSEMBLY</td>
</tr>
<tr>
<td>9</td>
<td>4</td>
<td>&quot;&quot; SEAL BARRIER</td>
</tr>
<tr>
<td>8</td>
<td>4</td>
<td>1-3/4&quot; REDUCER BUSHING</td>
</tr>
<tr>
<td>7</td>
<td>4</td>
<td>1&quot; SCH 40-90 DVG ELBOW</td>
</tr>
<tr>
<td>6*</td>
<td>1</td>
<td>JUNCTION BOX (IN CONSOLE)</td>
</tr>
<tr>
<td>5</td>
<td>AR</td>
<td>SEALITE FLEXIBLE CONDUIT</td>
</tr>
<tr>
<td>4 AR</td>
<td>1&quot; RIGID CONDUIT</td>
<td></td>
</tr>
<tr>
<td>3 AR</td>
<td>FILTER/LUBRICATOR/REGULATORS, DRYER SHUTOFF</td>
<td></td>
</tr>
<tr>
<td>2 AR</td>
<td>3/4&quot; SCH 40 STREET ELBOW</td>
<td></td>
</tr>
<tr>
<td>1 AR</td>
<td>3/4&quot; SCH 40 PIPE</td>
<td></td>
</tr>
</tbody>
</table>

* Items Supplied by Mohawk with the Lift Unit
TOP VIEW OF CONSOLE FRAME

1 3/4 TYP (44)

UNIT = INCH (mm)

10 5/8 (270)

BACK OF CONSOLE

32 1/2 (826)

36 (914)

7 TYP (178)

36 (914)

CONDUIT SIZES & APPLICATION:

A: 1" (MIN) SCHED 40 STEEL PIPE - INCOMING POWER
B: 1" (MIN) SCHED 40 STEEL PIPE - INCOMING AIRLINE
C,D: 4" SCHED 40 PVC PIPE - HYDRAULIC & AIR TO LIFT
E,F,G,H: 1" (MIN) SCHED 40 STEEL PIPE - ELECTRICAL TO LIFT

CUSTOMER PREFERENCE OPTIONAL

* NOTE: USE SMOOTH ELECTRICAL 90'S IN CONDUITS, NOT PLUMBING 90'S !!

CONTROL CONSOLE & STUB-UP DETAILS
**GENERAL NOTES**

**NOTE 1**
Concrete used for the base and the side walls of each trench and any other new concrete which is used for this installation may have a minimum strength of F′=2,000 psi, a strength of F″=4,000 psi is recommended where possible.

**NOTE 2**
Concrete used for the base and sidewalls of the trench areas shall reach its full 28 day F″ strength before the lift and the anchor bolts are installed.

**NOTE 3**
Concrete reinforcement sizes and reinforcement specification for the base of each trench shall be determined by an engineer or architect at the expense of the purchaser and should be determined considering the local soil conditions and the applied loading. As a minimum, grade 60 reinforcement of the size and spacing shown on the drawings shall be used.

**NOTE 4**
Concrete reinforcement specifications for the floor area around the trenches shall be determined by an engineer or architect (at the expense of the purchaser) and should be determined considering the local soil conditions and the applied loading. As a minimum, two layers of grade 60, 6X8-10/10 welded wire fabric should be used in the vicinity of the lift unit and between the trenches.

**NOTE 5**
The reinforcing steel used in the base of the trenches shall be installed so as to not interfere with the anchor bolts used to attach the lift unit.

**NOTE 6**
Weat-Baugh Systems, at wedge anchors are provided with the lift for anchoring the lift unit to the floor system. The number and size of anchor bolts specified in the drawing must be used to attach the lift unit. Anchor bolts of full length must be used in all locations provided on the base of the lift unit.

**NOTE 7**
Care must be taken to ensure that the side walls of the trench are parallel and straight. Approximately 1 1/2 of clearance is provided along the sides of the runways.

**NOTE 8**
Slope the bottom of the trench 1/6 inch per foot toward the drainage channel. Slope the drainage channel 1/4 inch per foot toward the catch basin.

**NOTE 9**
Care must be taken to ensure that the base of the trench areas are at the proper elevation. A maximum of one inch adjustment (shimming) is permitted for permitted installation leveling.

**NOTE 10**
Where more than 3/4 inch of shim leveling is required, full support plate contact shims are available at additional cost. The full contact shim plates shall then be accurately leveled using individual anchor bolt shims. Individual anchor bolt shims are available in a range of thicknesses from 1/16 inch to 1/4 inch.

**NOTE 11**
No embedded plumbing, tubes, conduits or other items, except the lift unit service leg conduits shall be closer than 16 inches from any anchor bolt. Also, the service leg conduits shall be installed accurately in the locations shown in the plan and detail views to minimize the effect on the anchorages.

**NOTE 12**
Provide two, 4 inch SCH 40 PVC pipe as a hydraulic pneumatic service supply conduit running from the power unit to each service leg.

**NOTE 13**
Provide, 1 inch SCH 40 steel conduits as electrical service supply running from the power unit to the service legs. These conduits shall be installed as shown on the section views and must be installed according to applicable electrical codes.

**NOTE 14**
One inch SCH 40 PVC drain pipe should be provided to carry drainage from the catch basins to an oil/water separator. This pipe should slope a minimum of 1/16 inch per foot toward the destination.

**NOTE 15**
Provide temporary caps for all conduits and embedded pipes. It is recommended to leave pull ropes in conduits for ease of lift installation.

**NOTE 16**
The control console must be located in the vicinity of the lift. It should be placed far enough away from the lift to allow for activities around the lift. The enclosed drawings show the console in a standard position. The control console may be located on either side and anywhere along the length of the lift. But any deviations from the enclosed drawings may require longer cables, hoses, conduit, etc. at additional expense to the purchaser.

**NOTE 17**
The lift unit requires clean dry compressed air at the pressure and volume shown on the lift unit data table. A filter/ lubricator/regulator is supplied with the lift unit for the locking system only. A filter/lubricator/regulator, air dryer and shut-off valve must be provided for the lift unit to operate the optional accessories. The required volume of air shown in the lift unit data table recognizes that not more than one auxiliary air consumer will be used simultaneously.

**NOTE 18**
Provide one, 1 inch SCH 40 rigid steel conduit as a compressed air supply, this conduit is shown underground, alternatively, it may be brought to the control panel overhead, depending on customer preference. If brought overhead, provide flex conduit connecting the terminal end of the conduit to the control console.

**NOTE 19**
The lift unit requires a high voltage power source. A lockout/tagout electrical disconnect box must be provided for the power source. The lockout/tagout disconnect box must be installed according to applicable electrical codes. This electrical disconnect is to be provided by others.

**NOTE 20**
Provide one, 1 inch SCH 40 rigid steel conduit as electrical service supply running from the building power source to the control console. This conduit is shown underground, alternatively, it may be brought to the control panel overhead depending on customer preference. Provide a lockout/tagout electrical disconnect box within sight and as close to the control console as is practical. This electrical supply conduit and disconnect box must be installed according to local electrical code requirements.

**NOTE 21**
All floor requirements are based on a concrete slab that is on grade (supported by soil). Any other type of installation involving a slab not on grade (i.e. slab supported by pylon, second story slab, etc.) must be reviewed & analyzed for suitability by the building architect, at the expense of the others.