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.
## Lift Data Table

**Lift Data Table**

**Mohawk Resources, Ltd.**

**Parallelogram Lift Model**

**75-35-Bush**

<table>
<thead>
<tr>
<th>Lift Unit Data</th>
<th>--</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Load Capacity (LBS)</td>
<td>75,000</td>
</tr>
<tr>
<td>Anchorage</td>
<td>--</td>
</tr>
<tr>
<td>Anchor Bolt Diameter (IN)</td>
<td>3/4</td>
</tr>
<tr>
<td>Total Number of Anchor Bolts</td>
<td>56</td>
</tr>
<tr>
<td>Bolt Pattern</td>
<td>See Anchor Details</td>
</tr>
<tr>
<td>Anchor Bolt Setting Torque</td>
<td>N/A</td>
</tr>
<tr>
<td>Minimum Embedment Length (IN)</td>
<td>3.00</td>
</tr>
<tr>
<td>Minimum Concrete Thickness (IN)</td>
<td>See Pit Drawings</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hydraulic</th>
<th>--</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reservoir Capacity (GAL)</td>
<td>30 Total</td>
</tr>
<tr>
<td>Oil Type</td>
<td>Dexron III (ATF)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Electrical</th>
<th>--</th>
</tr>
</thead>
<tbody>
<tr>
<td>Motor Horsepower</td>
<td>20 HP</td>
</tr>
<tr>
<td>208/230 V 3 PH</td>
<td>60 AMPERE</td>
</tr>
<tr>
<td>or 460 V 3 PH</td>
<td>30 AMPERE</td>
</tr>
<tr>
<td>Control Circuit Transformer 1000 VA</td>
<td>7.69 AMP</td>
</tr>
<tr>
<td>24 VDC Power Supply</td>
<td>4.8 AMP</td>
</tr>
<tr>
<td>Light Fixtures (Optional Lighting Kit) QTY</td>
<td>8</td>
</tr>
<tr>
<td>Shop Air</td>
<td>--</td>
</tr>
<tr>
<td>Air Pressure (PSI)</td>
<td>85 to 100</td>
</tr>
<tr>
<td>Air Volume - Lift (CFM) (Locks)</td>
<td>5</td>
</tr>
<tr>
<td>Air Volume - Optional Rolling Jack (CFM)</td>
<td>25 Each</td>
</tr>
<tr>
<td>Air Volume - Optional Shop Air Kit (CFM)</td>
<td>20</td>
</tr>
<tr>
<td>Air Volume - Total Req'd Capacity (CFM)</td>
<td>30 Minimum</td>
</tr>
<tr>
<td>Air Volume - Total Req'd Capacity (CFM)</td>
<td>50 Suggested</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>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>10*</td>
<td>56</td>
<td>3/4&quot; x 5&quot; Anchor Bolt Assembly</td>
<td>Wedge Anchors</td>
</tr>
<tr>
<td>11*</td>
<td>4</td>
<td>1/2&quot; Leveling Shims</td>
<td>1/8&quot;, 1/8&quot;, 1/8&quot; Thick</td>
</tr>
<tr>
<td>9</td>
<td>4</td>
<td>1&quot; Sch 40 90 Deg Elbow</td>
<td>Crouse Hinds El3</td>
</tr>
<tr>
<td>8</td>
<td>4</td>
<td>1-1/4&quot; Reducer Bushing</td>
<td>Crouse Hinds El3</td>
</tr>
<tr>
<td>7</td>
<td>4</td>
<td>1&quot; Sch 40-90 Deg Elbow</td>
<td>Crouse Hinds El3</td>
</tr>
<tr>
<td>6*</td>
<td>1</td>
<td>Junction Box (In Console)</td>
<td>Steel</td>
</tr>
<tr>
<td>5</td>
<td>1</td>
<td>Sealtite Flexible Conduit</td>
<td>Metal Core</td>
</tr>
<tr>
<td>4</td>
<td>1</td>
<td>1&quot; Rigid Conduit</td>
<td>Steel</td>
</tr>
<tr>
<td>3</td>
<td>1</td>
<td>Filter/Lubricator/Regulator, Dryer Shutoff</td>
<td>Steel or PVC</td>
</tr>
<tr>
<td>2</td>
<td>1</td>
<td>4&quot; SCH 40 Street Elbow</td>
<td>Steel or PVC</td>
</tr>
<tr>
<td>1</td>
<td>1</td>
<td>4&quot; SCH 40 Pipe</td>
<td>Steel or PVC</td>
</tr>
</tbody>
</table>

* Items supplied by Mohawk with the lift unit.
TOP VIEW OF CONSOLE FRAME

1 3/4 TYP (44)

UNITS = INCH (mm)

10 5/8 (270)

BACK OF CONSOLE

32 1/2 (826)

36 (914)

8 (203)

5 (127)

12 (305)

18 (457)

22 (559)

25 (635)

28 (711)

31 (787)

H

G

F

E

D

C

B

A

BY OTHERS

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

CONTROL PANEL

BACK

FRONT OF CONSOLE

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

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

CONTROL CONSOLE & STUB-UP DETAILS

36 (914)

7 TYP (178)

CUSTOMER PREFERENCE OPTIONAL

D-SIZE

NOTICE OF CONFIDENTIAL INFORMATION

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MOHAWK RESOURCES LTD.

P-010-3-003

NOT ASSEMBLY

SPLICE 4001

VACANT

FROM

DRAWING NUMBER

P-010-3-003
ANCHOR DETAILS & SHIMMING

1. Place leveling shims in a straight and orient fashion at each anchor bolt. Use thin shims to fully fill out each location.

LEVELING SHIM DETAIL

LEVELING SHIMS ARE AVAILABLE IN A RANGE OF THICKNESSES FROM 1/16", 1/8", & 1/4".

REPRESENTATIVE TIGHTENING SEQUENCE FOR ANCHOR BOLTS

TIGHTENING FROM CENTER OF BASE OUTWARD

APPROVED ANCHOR BOLTS PROVIDED BY MOHAWK LIFT

ANCHOR BOLTS ARE MANUFACTURED BY:
WEIJ-IT FASTENING SYSTEMS
2415 EAST 13TH PLACE
TULSA, OKLAHOMA 74104
PHONE 918-744-7444
OR 800-843-1284
WEB SITE WWW.WEIJIT.COM

ANCHORS SPECIFIED ARE "THE ORIGINAL WEI-JIT" EXPANSION ANCHORS, 3/4" DIA

CATALOG NUMBER
3462
3462S
3410
3410S

LENGTH
6"
8"
10"

NOTICE OF CONFIDENTIAL INFORMATION

NOTICE
1. VERIFY ALL DRAWING DIMENSIONS & SPECIFICATIONS MATCH EXACTLY THE ACTUAL PRODUCT.
2. VERIFY ALL DRAWING NOTES ACCURATELY DESCRIBE PRODUCT CONDITIONS.
3. VERIFY ALL DRAWING DRAWING SPECS EXACTLY MATCH EXACTLY THE MANUFACTURER'S SPECIFICATIONS.
4. VERIFY ALL DRAWING MATERIALS SPECIFICATIONS MEET EXACTLY THE MANUFACTURER'S SPECIFICATIONS.
5. VERIFY ALL DRAWING ELECTRICAL SPECIFICATIONS MEET EXACTLY THE MANUFACTURER'S SPECIFICATIONS.

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D-SIZE
ISOMETRIC VIEW OF SERVICE CONNECTIONS AND ROUTING

NOTE: LEFT HAND (DRIVER'S SIDE) SHOWN; MIRROR THIS VIEW FOR RIGHT HAND SIDE.
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'c=2,500 psi, A STRENGTH OF F'c=4,000 psi IS RECOMMENDED WHERE POSSIBLE.

NOTE 2: CONCRETE USED FOR THE BASE AND SIDWALLS OF THE TRENCH AREAS SHALL REACH ITS FULL 28 DAY F'c STRENGTH BEFORE THE LIFT AND THE ANCHOR BOLTS ARE INSTALLED.


NOTE 4: CONCRETE REINFORCEMENT SPECIFICATIONS FOR THE FLOOR AREA AROUND THE TRENCHES SHALL BE DETERMINED CONSIDERING THE LOCAL SOIL CONDITIONS AND THE APPLIED LOADING, AS A MINIMUM, TWO LAYERS OF GRADE 60, 6X6-10/10 WELDED WIRE FABRIC SHOULD BE USED IN THE VICINITY OF THE LIFT UNIT AND BETWEEN THE TRENCHES.

NOTE 5: THE REINFORCED 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: WELDING SYSTEMS, AT WEDGE ANCHORS ARE PROVIDED WITH THE LIFT FOR ANCHORING THE LIFT UNIT TO THE FLOOR SYSTEM. THE NUMBER AND THE 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 BASE WALLS OF THE TRENCH ARE PARALLEL AND STRAIGHT. APPROXIMATELY 1/2 OF CLEARANCE IS PROVIDED ALONG THE SIDES OF THE RUNWAYS.

NOTE 8: SLOPE THE BOTTOM OF THE TRENCH 1/16 INCH PER FOOT TOWARD THE DRAINAGE CHANNEL. SLOPE THE DRAINAGE CHANNEL 1/16 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 INSTALLATION LEVELING.

NOTE 10: WHERE MORE THAN 3/4 INCH OF SHIM LEVELING IS REQUIRED, FULL SUPPORT PLATE CONTACT SHIMS ARE AVAILABLE. ADDITIONAL COST, THE FULL CONTACT SHIM PLATES SHALL THEN BE ACCURATELY LEVELLED 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 ANCHORAGE.

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 4, 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 4 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 FULL 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 ENCLOSURED 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 ENCLOSURED DRAWINGS MAY REQUIRE LONGER CABLES, HOSES, CONDUIT, ETC. AT ADDITIONAL EXPENSE TO THE PURCHASER.

NOTE 17: THE LIFT UNIT REQUIRE CLEANS 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 SHUTOFF VALVE MUST BE PROVIDED FOR THE LIFT UNIT TO OPERATE THE OPTIONAL ACCESSORIES. THE REQUIRED VOLUME OF AIR SHOWN ON 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. PROVIDE BOREHOLE CONNECTING THE TERMINAL END OF THE CONDUIT TO THE CONTROL CONSOLE.

NOTE 19: THE LIFT UNIT REQUIRE 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 FIRE CODE 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 PYLONS, SECOND STORY SLAB, ETC.) MUST BE REVIEWED & ANALYZED FOR SUITABILITY BY THE BUILDING ARCHITECT, AT THE EXPENSE OF OTHERS.