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)

FRONT

REAR

ENTRY DIRECTION

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

**Mohawk Resources, Ltd**  
**Parallelogram Lift Model**  
**38-26-Flush**

<table>
<thead>
<tr>
<th>Lift Unit Data</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Maximum Load Capacity (lbs)</strong></td>
<td>38,000</td>
</tr>
<tr>
<td><strong>Anchor Age</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Anchor Bolt Diameter (in.)</strong></td>
<td>5/4&quot;</td>
</tr>
<tr>
<td><strong>Total Number of Anchor Bolts</strong></td>
<td>48</td>
</tr>
<tr>
<td><strong>Bolt Pattern</strong></td>
<td>SEE ANCHOR DETAILS</td>
</tr>
<tr>
<td><strong>Anchor Bolt Setting Torque</strong></td>
<td>N/A - SEE ANCHOR DETAILS</td>
</tr>
<tr>
<td><strong>Minimum Embayment Length (in.)</strong></td>
<td>8.00</td>
</tr>
<tr>
<td><strong>Minimum Concrete Thickness (in.)</strong></td>
<td>SEE PVT DRAWINGS</td>
</tr>
</tbody>
</table>

**Hydraulic**  
**Reservoir Capacity (gal)**: 30 Total  
**Oil Type**: DEXRON III (ATF)

**Electrical**  
**Motor Horsepower**: 20  
208/230 V 3 PH 60 AMPERE  
or 460 V 3 PH 30 AMPERE  
**Control Circuit Transformer 1000 VA**: 7.69 AMP  
**24 VDC Power Supply**: 4.8 AMP  
**Light Fixtures (optional lighting kit)**: QTY 6

**Shop Air**  
**Air Pressure (PSI)**: 85 to 100  
**Air Volume - Lift (cfm/minute)**: 5  
**Air Volume - Optional Rolling Jack (cfm)**: 25 EACH  
**Air Volume - Optional Shop Air Kit (cfm)**: 20  
**Air Volume - Total Req’d Capacity (cfm)**: 50 MINIMUM  
**Air Volume - Total Req’d Capacity (cfm)**: 50 SUGGESTED

### Required Material List

<table>
<thead>
<tr>
<th>Item</th>
<th>QTY</th>
<th>Description</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>1</td>
<td>Lockout/Tagout Disconnect Box</td>
<td>PER LOCAL ELECTRICAL CODES</td>
</tr>
<tr>
<td>11</td>
<td>AR</td>
<td>Leveling Shims</td>
<td>1/16&quot;, 1/8&quot;, 1/4&quot; THICK</td>
</tr>
<tr>
<td>10</td>
<td>8</td>
<td>Anchor Bolt Assembly</td>
<td>WJS-II - WEDGE ANCHORS</td>
</tr>
<tr>
<td>9</td>
<td>4</td>
<td>Stil Barrier</td>
<td>CROUSE - HINDS AT33</td>
</tr>
<tr>
<td>8</td>
<td>4</td>
<td>1-3/4&quot; Reducer Bushing</td>
<td>CROUSE - HINDS RMJ3</td>
</tr>
<tr>
<td>7</td>
<td>4</td>
<td>1-6 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>AR</td>
<td>Sealtite Flexible Conduit</td>
<td>METAL CORE</td>
</tr>
<tr>
<td>4</td>
<td>AR</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>AR</td>
<td>4&quot; SCH 40 elbow</td>
<td>STEEL or PVC</td>
</tr>
<tr>
<td>1</td>
<td>AR</td>
<td>4&quot; SCH 40 pipe</td>
<td>STEEL or PVC</td>
</tr>
</tbody>
</table>

* Items supplied by Mohawk with the lift unit
CONTROL CONSOLE & STUB-UP DETAILS

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
C,D: 4" (101) SCHED 40 PVC PIPE – HYDRAULIC & AIR TO LIFT OPTIONAL
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 !!
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’=2,500 psi, AND 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 5: THE REINFORCING STEEL USED IN THE BASE OF THE TRENCHES SHALL BE INSTALLED AS TO NOT INTERFERE WITH THE ANCHOR BOLTS USED TO ATTACH THE LIFT UNIT.

NOTE 6: NOTE IT PAVING 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 DRAWINGS 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 1/16 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 AT 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 10 INCHES FROM ANY ANCHOR BOLT. ALSO, THE SERVICE LEG CONDUITS SHALL BE ACCURATELY LOCATED 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 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 BASIN 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 ENCLOSURE DRAWINGS SHOW THE CONSOLE IN A STANDARD POSITION. THE CONTROL CONSOLE MAY BE LOCATED ON OTHER SIDE AND ANYWHERE ALONG THE LENGTH OF THE LIFT, BUT ANY DEVIATIONS FROM THE ENCLOSURE 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 SHEET. 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 TO OPERATE THE OPTIONAL ACCESSORIES. THE REQUIRED VOLUME OF AIR SHOWN IN THE LIFT UNIT DATA SHEET 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 FLEXIBLE 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/TAOGOUT ELECTRICAL DISCONNECT BOX MUST BE PROVIDED FOR THE POWER SOURCE, THE LOCKOUT/TAOGOUT 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. THE CONDUIT IS SHOWN UNDERGROUND, ALTERNATIVELY IT MAY BE BROUGHT TO THE CONTROL PANEL OVERHEAD DEPENDING ON CUSTOMER PREFERENCE. PROVIDE A LOCKOUT/TAOGOUT 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 FLYLION, SECOND STORY SLAB, ETC.) MUST BE REVIEWED & ANALYZED FOR SUITABILITY BY THE BUILDING ARCHITECT, AT THE EXPENSE OF OTHERS.