A pour in place dock leveler is provided with anchors and metal sheet siding to facilitate the concrete floor being poured around the dock leveler. The dock leveler is set into a foundation cut out, leveled and anchored in place, prior to the pouring of the concrete floor. When the concrete floor is poured the dock leveler is securely encased and installed. Field welding and shimming are eliminated. All the required welds are completed at the factory prior to shipment. The pour in dock leveler alleviates the need to preform the dock leveler pit prior to dock leveler installation. Pentalift has extensive experience in providing pour in place dock levelers from small to very large projects.

How Do Pour In Place Dock Levelers Save Money?

Pour in place dock levelers save money by dramatically reducing the cost of installation. The costs associated with forming dock leveler pits, stripping and cleaning the formed pits and performing installation welds are all reduced. Concerns with forming the pit to the correct size, for pit style dock leveler are eliminated. The pit created by a pour in place dock leveler is a perfect fit. Typical savings for are shown in the table on the next page. Savings shown are per dock leveler. The total savings on projects with many dock levelers are significant.
## Typical Savings from Pour In Dock Levelers

<table>
<thead>
<tr>
<th>Item</th>
<th>Pour-In Dock Leveler</th>
<th>Pit Style Dock Leveler</th>
</tr>
</thead>
<tbody>
<tr>
<td>Forming of pit</td>
<td>Only the front requires forming. 1 man @ 2 hrs X $40 / hr = $80</td>
<td>2 men, approximately 16 hrs x $40 / hr = $560</td>
</tr>
<tr>
<td>Purchase curb angle</td>
<td>Supplied with leveler = $0</td>
<td>$175</td>
</tr>
<tr>
<td>Materials for forming pit</td>
<td>Plywood (1.5 sheets) and 2 x 4s $75</td>
<td>Plywood and 2 x 4s $150</td>
</tr>
<tr>
<td>Stripping and cleaning pit</td>
<td>1 man @ 1 hrs = $40</td>
<td>1 man @ 2 hrs = $80</td>
</tr>
<tr>
<td>Installation costs</td>
<td>Unload, shim, level, anchor prepared for concrete. $125</td>
<td>Unload, shim, weld in place. Approximately 45 inches of field welding required. $275 + shim costs of $50 = Total $325</td>
</tr>
<tr>
<td>Additional cost of pour in option for dock leveler</td>
<td>$325</td>
<td>0</td>
</tr>
<tr>
<td>Installed cost</td>
<td>$645</td>
<td>$1290</td>
</tr>
<tr>
<td>Cost difference / savings</td>
<td>$645</td>
<td></td>
</tr>
</tbody>
</table>

Note: Deck and lip assemblies on Pentalift dock levelers are easy to remove and replace in the event that repair or replacement is required after the service life of the dock leveler is complete. The frame assembly is cast in place into the concrete. Replacement frame assemblies are available to suit existing deck and lip assemblies.

Continued on Page 3
How are Pour In Place Dock Levelers Installed?

There are two common installation methods as shown below. Method 1 is the most common:

**Method 1**

1. Provided cut out in the foundation wall to accommodate the dock leveler.

2. Pour a concrete pad to support the dock leveler and the loads that will be applied to the dock leveler.

3. Level the dock leveler at the finished floor height of the building. Make sure the front face of the dock leveler is square with the building foundation. Anchor the dock leveler using the anchor brackets attached to the dock leveler. Pour the concrete to the finished floor height in one pour.

Continued on Page 4
Method 2

1. Provide cut out in the foundation wall to accommodate the dock leveler.

2. Using shims, set the dock leveler approximately 6” above the fill underneath. Level the dock leveler at the finished floor height of the building. Make sure the front face of the dock leveler is square with the building foundation.

3. Two concrete pours will take place. The first pour gets concrete underneath the dock leveler and part way up the sides. Once the first pour is complete and has cured, the dock leveler is now securely located and the second pour can take place. The second pour completes the installation to the finished floor.

Continued on Page 5
Concrete pads are poured as per method 1, step 1. The pads must be sufficiently thick and strong enough to withstand the maximum loads that will be applied to the dock leveler.

The dock leveler is set onto the pad, positioned and leveled to the finished floor height. The dock leveler is then securely anchored, using the supplied anchor brackets.
As per method 2 these photos reflect a dual pour method. The first pour secures the dock leveler position. The second pour (to finished floor level) completes the dock leveler installation.

The dock leveler is set onto the pad, positioned and leveled to the finished floor height. The dock leveler is then securely anchored, using the supplied anchor brackets. The savings, particularly on larger projects are substantial.
Prior to the pour, the front sides of the dock leveler are blocked.

After pour is completed the front forms and spacer bolts are removed. The finished installation is neat and tidy.

When the pour in process is completed, the result is a successful installation with a significantly lower installation cost than dock levelers that are installed into a preformed pit.