PANEL \[ 0.2L \times 0.5L \times 0.2L \]

**PANEL SUPPORT POINTS**

**TIE DOWN POINTS**

**Pick-up Points**

**PICK-UP DETAILS**

**TABLE OF MAXIMUM PILE PICK-UP AND SUPPORT LENGTHS**

<table>
<thead>
<tr>
<th>D = Square Pile Size (inches)</th>
<th>Required Storage and Transportation Detail</th>
<th>Pick-Up Detail</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>18 20 24 30</td>
<td>1 Point</td>
</tr>
<tr>
<td>14</td>
<td>18 20 24 30</td>
<td>2 Points</td>
</tr>
<tr>
<td>16</td>
<td>18 20 24 30</td>
<td>3 Points</td>
</tr>
<tr>
<td>18</td>
<td>18 20 24 30</td>
<td>4 Points</td>
</tr>
</tbody>
</table>

**NOTES AND DETAILS FOR SQUARE PRESTRESSED CONCRETE PILES**

**2008 FDOT Design Standards**

**Revision**


**American Association of State Highway and Transportation Officials (AASHTO) “LRFD Bridge Design Specifications”, current edition.**

**DESIGN SPECIFICATIONS**

**Square Prestressed Concrete Section:** Designed for 1,000 psi uniform compression after prestress losses without loads.

**Pick-up, Storage, and Transportation:** 0.0 psi tension using a factor of 1.5 times pile self-weight.

**SPIRAL TIES:**

- Each wrap of spirals shall be tied to at least two corner strands. One turn required for spiral splices.

**CONCRETE CLASS:**

- Concrete, except designated High Capacity Piles shall be Class V.

- Concrete for the High Capacity Splice shall be Class V (Special).

- See “GENERAL NOTES” in Structures Plans for any specific locations where the use of Silica Fume is required.

**CONCRETE STRENGTH:**

- The pile cylinder strength shall be 6,000 psi minimum at 28 days and 4,000 psi minimum at time of transfer of the Prestressing Force. The cylinder strength for designated High Capacity Piles shall be 8,000 psi minimum at 28 days and 6,000 psi minimum at time of transfer of the Prestressing Force.

**SPIRE BINDING MATERIAL:**

- The material to be used shall be a Type B epoxy Compound in accordance with Section 926 of the Specifications and shall be identified on the Qualification Product List (QPL). Use Epoxy Bonding Compound or Epoxy Mortar as recommended by the Manufacturer. For Epoxy Mortar only use sand or other filler material supplied by the manufacturer and in the proportions recommended.

**PICK-UP POINTS:**

- Piles shall be marked at the pick-up points to indicate proper points for attaching handling lines.

**REINFORCING STEEL:**

- Aircraft-quality reinforcing steel. Grade 60, except that spirals shall be manufactured from cold-drawn steel wire meeting the requirements of ASTM 60.

**PRESTRESSING STEEL:**

- Prestressing steel shall be seven-wire strand, Grade 470 or 250 as noted.

- SR = Stress-Relieved Strand

- LRS = Low-Relaxation Strand

**TYPICAL PILE SHAPE FOR MOLD FORMS**

**DETAIL SHOWING TYPICAL COVER**