### Section Properties

<table>
<thead>
<tr>
<th></th>
<th>Area Moment of Inertia (in^4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>18&quot; Dia 3/8&quot; Steel Pipe Pile</td>
<td>415</td>
</tr>
<tr>
<td>Pilecap 18&quot; Repair Jacket</td>
<td>2000</td>
</tr>
</tbody>
</table>

### Jacket Overview
- 1/2 A572 G50 USA STEEL
- Jacket fully clamps around existing open pile cross section
- Jacket Ixx and Iyy value of 2000 is 5x that of existing steel pile
- Dry doc readiness improved via wind load allowables
- Jackets available in bare steel or coated in polyurea, polybrid or similar
- Jackets bonded to pile with Pilebond 690, underwater epoxy, applied topside
- ISO certified jacket fabrication with full materials and welding certs
- State and job specific SE stamped analysis included

### Jacket Installation
- Piles cleaned within 5 days of repair jacket installation
- Jackets longer than 20ft are typically installed in sections
- Jackets longer than 20ft may be assembled on site, topside, or under water, as required
- Pilebond underwater epoxy applied topside to inside of jacket just prior to diver installation
- Rigging via upper and lower welded pad eyes
- Torque bolts with calibrated impact wrench

**20 ft LONG JACKET APPROX. WEIGHT: 760 lbs (PER 1/3 SECTION)**

### Pilebond
- Two-part underwater epoxy
- Fully encapsulates existing pile
- Prevents further corrosion of existing pile
- Bonds jacket to existing pile
- Applied topside to inside of jacket just prior to diver installation

### Pilecoat Jacket Coating
- Polyurea, polybraid, coal tar or similar coating by SSPC QP-3 certified coater
- High preformance corrosion protection
- Applied to jacket in controlled enviroment

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**60 FOOT JACKET ON 18" PILE**

*PILECAPINC.COM ALL DIMENSIONS IN INCHES MATERIAL:*

**REVISON DATE: 7/30/2015 PROPRIETARY AND CONFIDENTIAL**
FASTENING HARDWARE SUMMARY

1"-8 X 3.5" HDG A 325 HEX BOLT
WITH HEAVY HEX NUT (A563)

BOLTS TORQUED TO 1600 ft-lbs

2 X 1" HDG F436 FLAT WASHER PER BOLT

270 HEX BOLTS, 540 WASHERS, 270 NUTS PER PILE

ASSEMBLED JACKET CROSS SECTION