PART 1 - GENERAL

1.1 SUMMARY
A. Section Includes: Pier accessories indicated, specified, or required to complete installation.

1.2 SUBMITTALS
A. Product Data: Manufacturers technical literature for each type of manufactured material and product indicated.
B. Certification: Manufacturer’s written certification that products furnished comply with or exceed specified requirements.

1.3 QUALITY ASSURANCE
A. Manufacturer Qualifications: Company specializing in manufacturing products specified with minimum of three years documented experience.

1.4 DELIVERY, STORAGE, AND HANDLING
A. Store and handle materials to prevent damage.

PART 2 - PRODUCTS

2.1 MANUFACTURER
A. PIERRESEARCH®, 501 East Main Street, Arlington TX, 76010; phone (800) 342-2409; (817) 277 3738; Fax (817) 275.2335; www.pierresearch.com.
B. For manufacturers not listed, submit as substitution according to the Conditions of the Contract and Division 01 Specification Sections.

NOTE TO SPECIFIER: NORMALLY SELECT ONE OF THE FOLLOWING PRODUCTS PIER WHEEL (QUICK-LOCK®) OR HEAVY DUTY PIER WHEEL (QUICK-LOCK HD®). THESE PRODUCTS ARE SUBSTANTIALLY EQUIVALENT WHEN THE QUANTITIES SPECIFIED ARE USED - THE DESIRED RESULTS MAY NOT BE ACHIEVED IF LESS THAN THE QUANTITY SPECIFIED ARE USED

2.2 HEAVY DUTY PIER WHEEL (QUICK-LOCK HD®)
A. Description:
1. Snap 6 inch wheel for attachment to the ties of a reinforcing cage for drilled piers; wheel rotates against drilled pier sidewalls to maintain proper alignment when reinforcing cages are being lowered; sized to provide 3 inches of concrete cover over reinforcing bars.
2. Fabricated of non-corrosive plastic and fits No. 3 through No. 7 reinforcing bar ties.
3. Provide minimum number of wheels per reinforcing cage, uniformly spaced to properly align cage in shaft:
### 2.3 PIER WHEEL (QUICK-LOCK®)

**A. Description:**

1. Snap 6 inch wheel for attachment to the ties of a reinforcing cage for drilled piers; wheel rotates against drilled pier sidewalls to maintain proper alignment when reinforcing cages are being lowered; sized to provide 3 inches of concrete cover over reinforcing bars.
2. Fabricated of non-corrosive plastic and fits No. 3 through No. 5 reinforcing bar ties.
3. Provide minimum number of wheels per reinforcing cage, uniformly spaced to properly align cage in shaft:

<table>
<thead>
<tr>
<th>Pier Shaft Depth in Feet</th>
<th>Pier Shaft Diameter in Inches</th>
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<tbody>
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<td></td>
<td>Up to 48</td>
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<td>0 to 12</td>
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<td>121 to 132</td>
<td>64</td>
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<td>133 to 144</td>
<td>72</td>
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</tbody>
</table>

### 2.4 PIER BOLSTER (QUICK-LOCK PIER BOOT®)

**A. Description:**

1. Support devices attached to bottom end of vertical reinforcing in straight shaft drilled piers to prevent bottom of reinforcing bars from making contact with earth at bottom of drilled piers.
2. Fabricated of non-corrosive plastic.
3. Nominal 3-3/8 inch (86 mm) diameter by 6-1/4 inch (159 mm) high.
4. Quantity Required:
a. One pier bolster on every other vertical bar for piers under 48 inches in diameter.
b. One pier bolster on every vertical bar for piers 48 inches in diameter and over.

2.5 PIER BOLSTER (QUICK-ZIP BAR BOOSTER®)

A. Description:

1. Support devices attached to bottom end of vertical reinforcing in straight shaft drilled piers to prevent bottom of reinforcing bars from making contact with earth at bottom of drilled piers; with integral zip ties.
2. Fabricated of non-corrosive plastic.
3. Nominal 3 inch (75 mm) diameter by 3 inch (75 mm) high.
4. Quantity Required:

   a. One pier bolster on every other vertical bar for piers under 48 inches in diameter.
   b. One pier bolster on every vertical bar for piers 48 inches in diameter and over.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Attach devices to reinforcing according to manufacturer's instructions.
B. Snap pier wheel (QUICK-LOCK®) over horizontal ties.
C. Snap pier wheel (QUICK-LOCK HD®) over horizontal ties.
D. Install pier bolster (QUICK-LOCK PIER BOOT®) at bottom of vertical reinforcing bars.
E. Install pier bolster (QUICK-ZIP BAR BOOSTER®) at bottom of vertical reinforcing bars and tighten zip tie.
F. Do not use the following:

   1. Plastic wheels for stationary/static purposes, i.e. Precast Concrete Accessories.
   2. Dobie bricks or blocks.
   3. Accessories made of concrete masonry units or cinder blocks.

END OF SECTION