"Sure-Tie fasteners do not create any significant thermal bridging effects on the wall system."

Test Results Available Upon Request

**MATERIAL CONFORMANCE**

<table>
<thead>
<tr>
<th>ASTM A1064/A1064M, A82 / A82M</th>
<th>(Cold drawn steel wire)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tensile Strength: 80,000 psi</td>
<td>Yield Point: 70,000 psi</td>
</tr>
</tbody>
</table>

**ACI / ASCE 530** - (Building code requirements for masonry structures)

| Mill Galvanized / Zinc Coating: | ASTM A641 / A641M (0.10 oz per sq ft) |
| Hot Dip Galvanized after fabrication / Zinc Coating: | ASTM A153 / A153M-B2 (1.50 oz per sq ft) |

**Stainless Steel** ASTM 580 / ASTM 580M Type 304 (Type 316 available on special order)

Recycled Content:
- Mill Galvanized & Hot Dipped, 82.8% Post-Consumer
- 17% Post Industrial / Pre-Consumer,
- Stainless Steel, 60% Post Consumer
- VOC Content - 0%

**SIZES / FINISHES**

<table>
<thead>
<tr>
<th>Insulation:</th>
<th>1&quot;</th>
<th>1-1/2&quot;</th>
<th>2&quot;</th>
<th>2-1/2&quot;</th>
<th>3&quot;</th>
<th>3-1/2&quot;</th>
<th>4&quot;</th>
<th>4-1/2&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wallboard:</td>
<td>5/8&quot;</td>
<td>1/2&quot;</td>
<td></td>
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<td></td>
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</tbody>
</table>

- **#4520 Suretie**
  - Silver-gray climaseal finish resulted in 0% red rust at 1000 hours exposure to ASTM B-117 salt spray testing.

- **#4510 Sure Tie Triangle**
  - 3/16" dia. washer with solid cap design (no keyholes) Pre-spotting prongs
  - Stiffened center "Bullseye" ring prevents fastener pull-through
  - Flexible perimeter compresses on surface and reduces tearing
  - Flattens on surface of insulation

- **#4590 Thermal Grip Washer 2"**
  - dia. washer with solid cap design (no keyholes) Pre-spotting prongs Stiffened center "Bullseye" ring prevents fastener pull-through
  - Flexible perimeter compresses on surface and reduces tearing
  - Flattens on surface of insulation