HGAM Hurricane Gusset Angles

Designed for attaching gable end trusses to wood top plates and masonry walls.

For installation into grouted concrete tie beam or masonry bond beam. Provides lateral and uplift resistance.

Materials: 14 gauge
Finish: G90 galvanizing
Codes: FL

Installation:
- Use all specified fasteners. See Product Notes, page 18.
- Install MiTek’s WS15 structural wood screws into the truss and drill holes for screw anchors. Install screw anchors into concrete block per manufacturer’s recommendation.
- MiTek’s WS15 structural wood screws and 1-3/4” screw anchors are included with HGAM10 angles.
- Moisture barrier may be required.

<table>
<thead>
<tr>
<th>MiTek USP Stock No.</th>
<th>Ref. No.</th>
<th>Steel Gauge</th>
<th>Fastener Schedule</th>
<th>DF/SP Allowable Loads (Lbs.)&lt;sup&gt;1&lt;/sup&gt;</th>
<th>S-P-F Allowable Loads (Lbs.)&lt;sup&gt;1&lt;/sup&gt;</th>
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<tbody>
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<td>Uplift 160% F1 160% F2 160% F3 160% F3</td>
<td>Uplift 160% F1 160% F2 160% F3 160% F3</td>
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<tr>
<td>HGAM10KT&lt;sup&gt;4&lt;/sup&gt;</td>
<td>HGAM10KTA</td>
<td>14</td>
<td>6</td>
<td>980 1075 1080 980</td>
<td>575 630 635 575</td>
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</table>

1) Allowable loads have been increased 60% for wind or seismic loads; no further increase shall be permitted.
2) MiTek’s WS15 structural wood screws are 1/4” dia. x 1-1/2” long.
3) Use DeWalt 1/4” dia. x 1-3/4” long Screwbolt<sup>TM</sup>; or equal, installed in accordance with manufacturer’s specification.
4) The HGAM10KT is a kit with (10) HGAM10 angles packaged with MiTek’s WS structural wood screws and 1-3/4” screw anchors.

New products or updated product information are designated in blue font.

SHA Masonry Uplift Connectors

Connects trusses directly to masonry or concrete and features slotted base holes to ease installation.

Materials: Angle – 3 gauge; Gussets – 10 gauge
Finish: Primer

Installation:
- Use all specified fasteners. See Product Notes, page 18.
- Install directly flush to masonry wall.
- The SHA series connectors shall be installed in pairs.
- Moisture barrier may be required.

<table>
<thead>
<tr>
<th>MiTek USP Stock No.</th>
<th>Ref. No.</th>
<th>Steel Gauge</th>
<th>Fastener Schedule&lt;sup&gt;3&lt;/sup&gt;</th>
<th>DF/SP Allowable Loads (Lbs.)&lt;sup&gt;1,2&lt;/sup&gt;</th>
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<td>Rafter/Truss&lt;sup&gt;6&lt;/sup&gt;</td>
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<td></td>
<td></td>
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<td>J-Bolts x Dia. (in)</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>Qty Dia (in)</td>
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<td>Qty</td>
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<tr>
<td>SHA6</td>
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<td>1/2</td>
<td>2-Ply 3745 4005</td>
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<td>1/2</td>
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<td>3-Ply or greater 2190</td>
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</table>

1) Allowable loads have been increased 60% for wind or seismic loads; no further increase shall be permitted.
2) Allowable loads are for a pair of SHA devices. SHA6s shall be installed in pairs.
3) Fastener schedule is for a pair of SHA devices.
4) 1/2” x 8” J-Bolts or equivalent.
5) Concrete compressive strength shall be 2,500 psi or greater at 28 days.
6) Multiple ply truss shall be fastened together to act as a single unit.
7) Bolts shall conform to ASTM A 307 or better.
8) The designer must specify anchor bolt type, length, and embedment.
Designed as a retrofit connector for trusses installed on top plates. Can also be used as a holdown for a roof or floor system.

**Materials:** 18 gauge  
**Finish:** G90 galvanizing  
**Codes:** FL

**Installation:**  
- Use all specified fasteners. See Product Notes, page 18.  
- Concrete screws are not supplied with RT16M connector.  
- Install concrete screws in lower two holes for Single Top Plate or Conventional Raised Foundation or Modular Home Installations.  
- Moisture barrier may be required.

### Fastener Schedule

<table>
<thead>
<tr>
<th>RTM Stock No.</th>
<th>Ref. No.</th>
<th>Steel Gauge</th>
<th>Qty</th>
<th>Type</th>
<th>Qty</th>
<th>Type</th>
<th>Screws (in)</th>
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<tr>
<td>RT16M</td>
<td>HM9KT</td>
<td>18</td>
<td>9</td>
<td>10d x 1-1/2</td>
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<td>--</td>
<td>1/4 x 1-3/4 Tapcon</td>
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</table>

<table>
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<tr>
<th>Code</th>
<th>Ref.</th>
</tr>
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<tbody>
<tr>
<td>FL</td>
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</table>

1) Allowable loads have been increased 60% for wind or seismic loads; no further increase shall be permitted.  
2) Install with 1/4” x 1-3/4” Tapcon® Concrete Screws in accordance to manufacturer’s installation specifications.  
3) Fasteners to be installed to fully grouted and reinforced concrete masonry.  
4) Concrete compressive strength shall be 2,500 psi or greater at 28 days.  
5) NAILS: 10d x 1-1/2 nails are 0.148” dia. x 1-1/2” long, 16d nails are 0.162” dia. x 3-1/2” long.  
New products or updated product information are designated in **blue font**.

### HGA Hurricane Gusset Angles

Designed for attaching gable end trusses to wood top plates and masonry walls.  

**Materials:** 14 gauge  
**Finish:** G90 galvanizing  
**Codes:** IBC, FL, LA

**Installation:**  
- Use all specified fasteners. See Product Notes, page 18.  
- Install with MiTek’s WS3 structural wood screws into top plate and MiTek’s WS15 structural wood screws into the truss.  
- MiTek’s WS structural wood screws are included with HGA10 angles.  
- Moisture barrier may be required.

### Fastener Schedule

<table>
<thead>
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<th>HGA Stock No.</th>
<th>Ref. No.</th>
<th>Steel Gauge</th>
<th>Qty</th>
<th>Type</th>
<th>Qty</th>
<th>Type</th>
<th>Wall Framing</th>
<th>DF/SP Allowable Loads (Lbs.)</th>
<th>S-P-F Allowable Loads (Lbs.)</th>
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<td>4</td>
<td>W515</td>
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<td>790 1105 515</td>
<td>250 620</td>
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</table>

1) Allowable loads have been increased 60% for wind or seismic loads; no further increase shall be permitted.  
2) MiTek’s WS15 structural wood screws are 1/4” dia. x 1-1/2” long and WS3 structural wood screws are 1/4” dia. x 3” long.  
3) The HGA10KT is a kit with (10) HGA10 angles packaged with MiTek’s WS structural wood screws.  
New products or updated product information are designated in **blue font**.