Truss/Rafter to Single Top Plate

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Qty. Req.</th>
<th>No. of Piles (Min.)</th>
<th>To Truss/Rafter</th>
<th>To Plate</th>
<th>Uplift (160)</th>
<th>Parallel to Plate (F₁) (160)</th>
<th>Perp. to Plate (F₂) (160)</th>
<th>Uplift (160)</th>
<th>Parallel to Plate (F₁) (160)</th>
<th>Perp. to Plate (F₂) (160)</th>
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<tbody>
<tr>
<td>H2.5A</td>
<td>1</td>
<td>2</td>
<td>(4) SS8d</td>
<td>(4) SS8d</td>
<td>285</td>
<td>—</td>
<td>—</td>
<td>245</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>H4</td>
<td>1</td>
<td>2</td>
<td>(4) 8d</td>
<td>(4) 8d</td>
<td>360</td>
<td>165</td>
<td>160</td>
<td>235</td>
<td>140</td>
<td>135</td>
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<tr>
<td>H2.5A</td>
<td>1</td>
<td>1</td>
<td>(4) 8dx1½&quot;</td>
<td>(4) 8dx1½&quot;</td>
<td>390</td>
<td>—</td>
<td>—</td>
<td>335</td>
<td>—</td>
<td>—</td>
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<tr>
<td>H3</td>
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<td>2</td>
<td>(4) 8d</td>
<td>(4) 8d</td>
<td>455</td>
<td>125</td>
<td>160</td>
<td>320</td>
<td>105</td>
<td>140</td>
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<td>1</td>
<td>(4) SD10x1½&quot;</td>
<td>(4) SD10x1½&quot;</td>
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<td>395</td>
<td>670</td>
<td>565</td>
<td>395</td>
<td>550</td>
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<tr>
<td>HGA10</td>
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<td>1</td>
<td>(4) 1¼&quot;x1½&quot; SDS</td>
<td>(4) 1¼&quot;x1½&quot; SD SD</td>
<td>605</td>
<td>500</td>
<td>720</td>
<td>435</td>
<td>360</td>
<td>520</td>
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<tr>
<td>H4</td>
<td>2</td>
<td>2</td>
<td>(8) 8d</td>
<td>(8) 8d</td>
<td>720</td>
<td>330</td>
<td>320</td>
<td>470</td>
<td>280</td>
<td>270</td>
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<tr>
<td>H2.5A</td>
<td>2</td>
<td>1</td>
<td>(8) 8dx1½&quot;</td>
<td>(8) 8dx1½&quot;</td>
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<td>—</td>
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<td>630</td>
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<tr>
<td>H3</td>
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<td>2</td>
<td>(8) 8d</td>
<td>(8) 8d</td>
<td>910</td>
<td>250</td>
<td>320</td>
<td>640</td>
<td>210</td>
<td>280</td>
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<td>META16</td>
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<td>1</td>
<td>(7) 10dx1½&quot;</td>
<td>N/R</td>
<td>1,450</td>
<td>340</td>
<td>725</td>
<td>1,180</td>
<td>340</td>
<td>635</td>
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<tr>
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<td>(7) 10dx1½&quot;</td>
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<td>1,450</td>
<td>340</td>
<td>725</td>
<td>1,180</td>
<td>340</td>
<td>635</td>
</tr>
<tr>
<td>H16</td>
<td>1</td>
<td>1</td>
<td>(2) 10dx1½&quot;</td>
<td>1¼&quot;x1½&quot; Titen¹</td>
<td>1,470</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>1,265</td>
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</tr>
</tbody>
</table>

1. H16 fastened to masonry or concrete wall below single plate. Use 1¼" Titen™ screws for concrete applications.
2. N/R—Not required, product is embedded into concrete or CMU.
3. Refer to page 20 for multiple META loads.
4. Refer to page 51 for installation details of two connectors on a single truss.
5. H16 factory sloped to 5:12, but 3:12–7:12 roof slope is acceptable.
6. HGA10 loads in table are for when truss is perpendicular to the wall as depicted in D35. If truss is parallel with wall, then uplift is 696 lbs., F₁ is 925 lb. and F₂ is 780 lb. for DF/SP. For SPF/HF, multiply load values by 0.72.

7. Provided the structural steel is ½" thick with F₂ = 36 ksi minimum, the FCB43.5 may be connected directly to steel with a minimum of (3) #12-14 self-drilling screws for full loads listed above. For uplift, that load is limited to 500 lb., but F₁ and F₂ loads may be full loads per table above and (4) 0.157 PDPAT powder-actuated fasteners may be installed. It is the responsibility of the Designer to select proper-length fasteners based on the installation.

Refer to pages 9–12 for important considerations regarding coatings on connectors attached to preservative-treated wood.
Hollow Column

Refer to technical bulletin T-COLUMN for allowable load tables and more installation information.

CMST Strap Configuration Installation

- Install #10x2 1/2” Strong-Drive® SD Connector screws to side of the beam as shown.
- Minimum 3 1/4” inside column diameter.
- CMST strap.
- Holdown.
- Minimum end distance to anchor.

Strong-Drive® SD CONNECTOR Screw (SD10)
U.S. Patent 7,101,133

- Beam and column by Designer (double 2x minimum beam).
- 1/4” min. from bottom of beam to center of lowest fastener.
- Be holdown CMST strap.
- Minimum end distance to anchor.

All-Thread Rod Configuration Installation

- Threaded rod (ATR).
- Washer recommended.
- Titen HD® rod coupler (THD50934RC).
- 1/4” min. distance to anchor.

BP bearing plate and nut.

Threaded rod (ATR).

CNW coupler nut.

Titen HD® rod coupler or SET® epoxy anchor.

Minimum end distance to anchor.

Minimum edge distance to anchor.