I-Joists to Wall Framing

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Fasteners</th>
<th>DF/SP Allowable Loads</th>
<th>SPF Allowable Loads</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Uplift (160)</td>
<td>Lateral (160)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Parallel to Plate (F1)</td>
<td>Perpendicular to Plate (F2)</td>
</tr>
<tr>
<td>H8</td>
<td>(5) 10dx1½&quot;</td>
<td>745 75</td>
<td>—</td>
</tr>
<tr>
<td>MTS20</td>
<td>(7) 10dx1½&quot;</td>
<td>1,000 75 125</td>
<td>860 75 125</td>
</tr>
<tr>
<td>MTS30</td>
<td>(7) 10dx1½&quot;</td>
<td>1,000 75 125</td>
<td>860 75 125</td>
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<tr>
<td>HTS20</td>
<td>(12) 10dx1½&quot;</td>
<td>1,450 75 125</td>
<td>1,245 75 125</td>
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<tr>
<td>HTS30</td>
<td>(12) 10dx1½&quot;</td>
<td>1,450 75 125</td>
<td>1,245 75 125</td>
</tr>
</tbody>
</table>

1. Additional fastener holes are provided on these products. Not all holes are required to be filled to achieve listed loads.
2. Consult I-joist manufacturer for blocking details and uplift limits on joist end application.
3. Connectors may be reversed as long as the required fasteners are installed on either side of the connection.
4. Web stiffener required on both sides to achieve published uplift loads.
5. When installing MTS and HTS connectors, the following installation instructions are required for the lateral loads to apply. The first 7 nail holes after the bend area must be filled with 10dx1½" nails. This applies to straps on either side of bend area. All additional fasteners may be installed in any remaining strap holes.
6. Allowable loads in the F1 direction are not intended to replace diaphragm boundary members or prevent cross grain bending of the truss or rafter members.
7. For simultaneous loads in more than one direction, the connector must be evaluated as described in Note 6, page 8 under General Notes.
8. MTS and HTS may be ordered with a reversed bend configuration; add (-REV) suffix to model number(s).
I-Joists to Masonry/Concrete

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Fasteners</th>
<th>To I-Joist</th>
<th>To Grouted CMU or Bond Beam</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td><strong>Uplift</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(160)</td>
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<tr>
<td>MTSM16</td>
<td>(7) 10dx1½”</td>
<td>(4) ¼”x2¼” Titen®</td>
<td>875</td>
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<tr>
<td>MTSM20</td>
<td>(7) 10dx1½”</td>
<td>(4) ¼”x2¼” Titen®</td>
<td>875</td>
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<tr>
<td>HTSM16</td>
<td>(8) 10dx1½”</td>
<td>(4) ¼”x2¼” Titen®</td>
<td>1,175</td>
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<tr>
<td>HTSM20</td>
<td>(10) 10dx1½”</td>
<td>(4) ¼”x2¼” Titen®</td>
<td>1,175</td>
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<tr>
<td>META20</td>
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<td>Embed 4”</td>
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<td>Embed 4”</td>
<td>1,810</td>
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<tr>
<td>HETA40</td>
<td>(9) 10dx1½””</td>
<td>Embed 4”</td>
<td>1,810</td>
</tr>
</tbody>
</table>

1. Additional fastener holes are provided on these products. Not all holes are required to be filled to achieve listed loads.
2. Consult I-joist manufacturer for blocking details and uplift limits on joist end application.
3. Web stiffener required on both side to achieve published uplift loads.
4. When installing MTSM and HTSM connectors, the following installation instructions are required for lateral loads to apply:
   a) The first 4 holes for Titen® screws after the bend area must be filled on the concrete/masonry end of the connection.
   b) The first 7 nail holes after the bend area must be filled with 10dx1½” nails on the wood end of the connection. Any additional required nails may be placed in any open hole on the wood end of the strap.
5. Use 10x1½” Titen® screws for concrete application.
6. Allowable loads in the F₁ direction are not intended to replace diaphragm boundary members or prevent cross grain bending of the truss or rafter members.
7. For simultaneous loads in more than one direction, the connector must be evaluated as described in Note 6, page 8 under General Notes.

Note: Web stiffeners required on both sides of I-joist

MTSM20 Fastened Directly to CMU, Bond Beam or Concrete Tie Beam

META/HETA Installation into CMU, Bond Beam or Concrete Tie Beam