July 16, 2020

Re: Simpson Strong-Tie® - MASA/MASAP Alternate Strong-Drive® SDWS Timber Screw Installation, Two Legs up 2x4 Vertical Rim Board or Blocking over 2x or 3x Sill Plate

To Whom It May Concern:

Simpson Strong-Tie MASA mudsill anchors have always been a time-saving alternative to anchor bolts which can be installed with two legs up over maximum ½” sheathing and (9) 0.148x1-½” nails into 2x4 vertical blocking over 2x or 3x sill plate. This installation requires attaching the rim joist or the blocking to the 2x or 3x sill plate with one 5” Strong-Drive® SDWS Timber Screw (SDWS22500DB) or 6” Strong-Drive® SDWS Timber Screw (SDWS22600DB) respectively per MASA.

### MASA/MASAP ALLOWABLE LOADS
#### TWO LEGS-UP INSTALLATION
2X4 VERTICAL RIM BOARD OR BLOCKING
OVER 2X OR 3X SILL PLATE

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Sill Plate size</th>
<th>Wood Species</th>
<th>Fasteners</th>
<th>Allowable Loads (lb)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MASA or MASAP</td>
<td>2x &amp; 3x</td>
<td>(9) 0.148X 1 1/2</td>
<td>DF/SP</td>
<td>810 1105 865 740 965 755 620 1105 630 560 965 550</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(9) 0.148X 1 1/2</td>
<td>HF/SPF</td>
<td>700 950 745 635 830 650 545 950 540 480 830 475</td>
</tr>
</tbody>
</table>

1. Loads have been increased for wind or earthquake loading, with no further increased allowed.
2. Concrete shall have a minimum compressive strength of $f'_c = 2,500$ psi.
3. Allowable loads are based on a minimum stem wall width of 6”.
4. Sill plate sizes are 2x4-10 & 3x4-10.
5. F1 force is in plane or the sill plate longitudinal direction and F2 force is perpendicular to sill plate, in and out directions.
6. For simultaneous loads in more than one direction, the connector must be evaluated using the Unity Equation as described in the General Instructions for the Designer in the Wood Construction Connectors catalog.
7. Per Section 1613 of the 2015/2018 IBC, detached one and two family dwellings in SDC C may use the “Wind and SDC A&B” allowable loads.
8. SDWS22500DB and SDWS22600DB, for 2x and 3x sill plate respectively, shall be installed between the vertical legs or maximum 2” from the exterior edge of either of the MASA vertical legs. See the drawings below for clarification.
All other information pertaining to the use and installation of MASA Mudsill Anchors as published in the latest edition of the Wood Construction Connectors catalogue shall apply.

The information in this letter is valid until 12/31/2021 when it will be re-evaluated by Simpson Strong-Tie. Please visit strongtie.com for additional information. If you have questions or need further assistance regarding this matter, please contact the Simpson Strong-Tie engineering department at 800.999.5099.

Sincerely,

SIMPSON STRONG-TIE COMPANY INC