**Allowable U lbs (kN)**

<table>
<thead>
<tr>
<th>X</th>
<th>TSC2.75</th>
<th>TSC3.00 or TSC4.00</th>
<th>TSC2.75, TSC3.00 and TSC4.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>430 (1.91)</td>
<td>430 (1.91)</td>
<td>860 (3.83)</td>
</tr>
<tr>
<td>3</td>
<td>550 (2.45)</td>
<td>650 (2.89)</td>
<td>1300 (5.78)</td>
</tr>
<tr>
<td>4</td>
<td>550 (2.45)</td>
<td>850 (3.78)</td>
<td>1710 (7.61)</td>
</tr>
</tbody>
</table>

A. Per ICC ESR-2202 (October, 2017), the design values given above are for uncracked concrete only, and special inspection is required.

B. The quantity "X" represents the required number of #10 self-drilling tapping screws.

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**General Notes:**

1. 2-Ply trusses require a strap on each face. For connection to 3-Ply trusses contact a TrusSteel engineer.

2. SDS = self-drilling tapping screw. #10SDS end distance, edge distance and spacing is 9/16" (14mm) minimum.

3. TAPCON shear values into concrete are per ICC ESR-2202 (October, 2017). Refer to ICC ESR-2202 regarding proper installation of anchor and requirements of special inspection.

4. TAPCON concrete minimum anchor spacing is 4" (102mm). Minimum edge distance is 2-1/2" (63.5mm).

5. TAPCON concrete anchor shall not be installed until concrete has reached the specified design strength.

6. If a MTS30 is required on both faces, attach the second MTS30 to the opposite face of the chord as detailed and apply them to the same face of the wall.

7. It is permissible to substitute an equal alternative for the Simpson Strong-Tie hardware specified on this detail.

8. Cold-Formed Steel Calculations are per the AISI 2016 "North American Specifications for the Design of Cold-Formed Steel Structural Members" (S100-16).

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**Simpson MTS30 (or equal)**

**Uplift Attachment To Truss Vertical Web Into Face Of Concrete Bearing**

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**Alpine TrusSteel**

www.TrusSteel.com

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**Standard Detail:**

TS058A

**Date:**

10/11/18

**TrusSteel Detail Category:**

Truss-To-Bearing: Concrete