Face Mounted Truss To Truss Connection
Using TTC Clips (2 Ply Girder)

**ALPINE TrusSteel**

www.TrusSteel.com

**Standard Detail:**
TS001E

**Date:**
10/11/18

**TrusSteel Detail Category:**
Truss-To-Truss Connections

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**Allowable Values**

<table>
<thead>
<tr>
<th>Supported Truss Chord Size</th>
<th>$H_{min}$ (In)</th>
<th>$H_{max}$ (In)</th>
<th>Number of &quot;A&quot; Clips</th>
<th>Clip &quot;A&quot; Size</th>
<th>Girder web is (U) lbs (kN)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSC2.75</td>
<td>9-1/2 (241)</td>
<td>48 (1219)</td>
<td>1</td>
<td>TTC5</td>
<td>860 (3.83)</td>
</tr>
<tr>
<td>TSC3.00 or TSC4.00</td>
<td>12 (305)</td>
<td>48 (1219)</td>
<td>1</td>
<td>TTC7</td>
<td>860 (3.83)</td>
</tr>
<tr>
<td>TSC2.75</td>
<td>19 (483)</td>
<td>no max limit</td>
<td>2</td>
<td>TTC5</td>
<td>1720 (7.65)</td>
</tr>
<tr>
<td>TSC3.00 or TSC4.00</td>
<td>24 (610)</td>
<td>no max limit</td>
<td>2</td>
<td>TTC7</td>
<td>1720 (7.65)</td>
</tr>
</tbody>
</table>

A. \( R \) = Allowable Reaction, \( U \) = Allowable Uplift and \( H \) = Heel height of supported truss.

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**General Notes:**

1. The top and bottom chords of all trusses shall be properly connected to structural sheathing or purlins, designed by others.
2. If supported truss or girder web is a Z-web, refer to TS06B for connection areas.
3. SDS = Self-Drilling Tapping screw. Screw spacing, edge distance and end distance is 9/16" (14mm) minimum.
4. The supported truss must be designed utilizing a clip bearing type. For 2 clip connections, place within 1" (25mm) of top and bottom chords as shown. For 1 clip connections, place within 1" (25mm) of bottom chord, or as analyzed.
5. Clip "B" is TTC5 when girder web is W.75x.75 and TTC7 when girder web is W.75x1.5, W.1.5x1.5 or W.1.5x1.62. (If girder web is W.1.5x1.62, bend TTC7 to fit.)
6. Cold-Formed Steel Calculations are per the A516 2016 "North American Specifications for the Design of Cold-Formed Steel Structural Members" (6100-18).