

Typical Supported Truss to Girder Connection

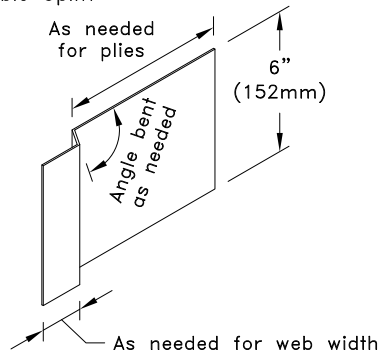
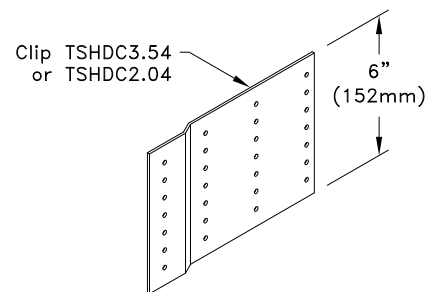
$$R = R_1 + R_2$$

$$U = U_1 + U_2$$

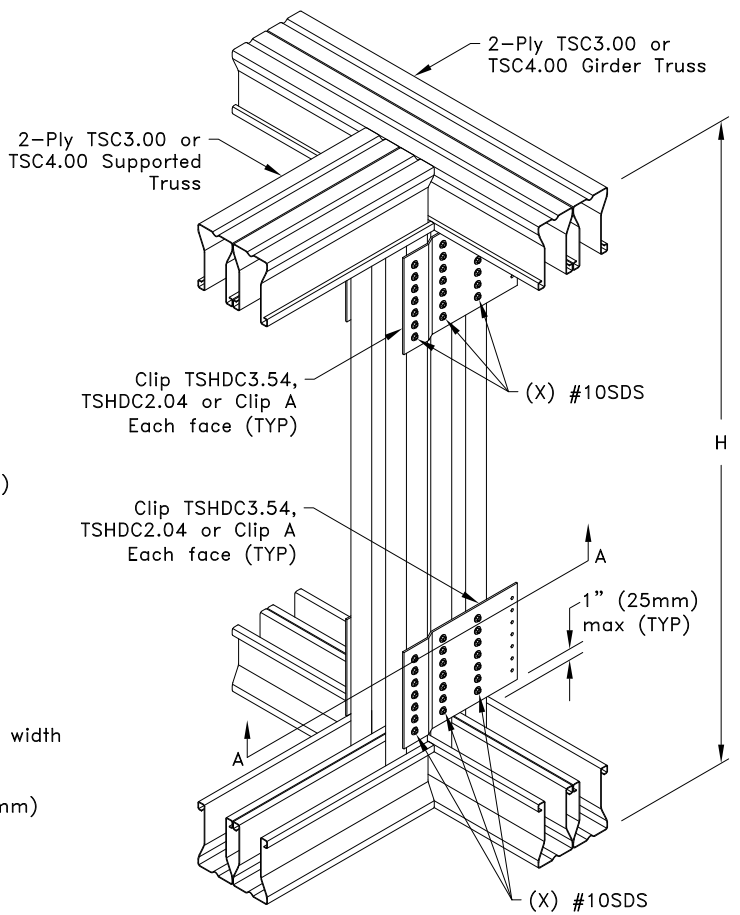
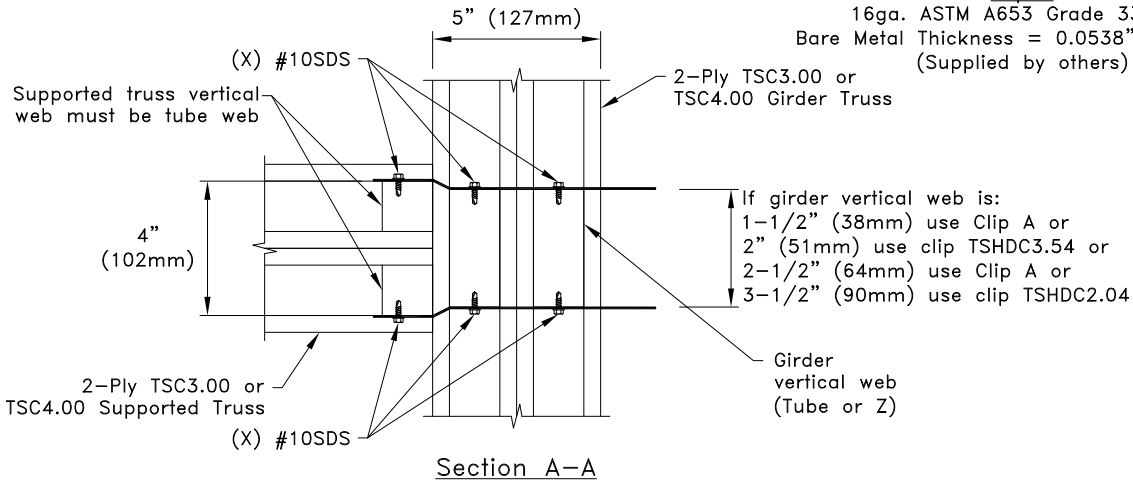
Allowable Reaction and Uplift lbs (kN)	
X <sup>A</sup>	H = 24 in. (610mm) minimum
	R = U lbs (kN) <sup>B</sup>
5	3000 (13.34)
6	4000 (17.79)
7	4700 (20.91)

A. The quantity "X" refers to the number of #10SDS (Self-Drilling Tapping Screws) that are required on each side of each clip into the web member.

B. R = Allowable Reaction, U = Allowable Uplift



Clip A  
16ga. ASTM A653 Grade 33 G60  
Bare Metal Thickness = 0.0538" (1.37mm)  
(Supplied by others)



**General Notes:**

1. The top and bottom chords of all trusses shall be properly connected to structural sheathing or purlins, designed by others.
2. Screw spacing, edge distance and end distance is 9/16" (14mm) minimum.
3. The supported truss must be designed utilizing a clip bearing type.
4. If supported truss web is a Z-Web, refer to TS062C for connection.
5. Cold-Formed Steel calculations are per the 2020 supplement to AISI 2016 "North American Specification for the Design of Cold-Formed Steel Structural Members" (S100-16/S2-20).



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**Heavy 2-Ply TSC3.00 or TSC4.00 Truss-To-Truss Connection (2 Ply Girder) Tube Webs**

Alpine, a division of ITW Building Components Group, Inc. shall not be responsible for any performance failure in a connection due to a deviation from this detail. Any variation from this detail shall be approved in advance by Alpine, a division of ITW Building Components Group, Inc.

**Standard Detail:**

TS062A

**Date:**

06/01/22

**TrusSteel Detail Category:**

Truss-To-Truss Connections