

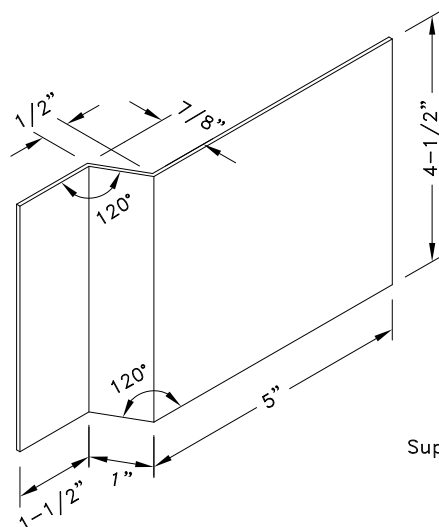
$$R = R_1 + R_2$$

$$U = U_1 + U_2$$

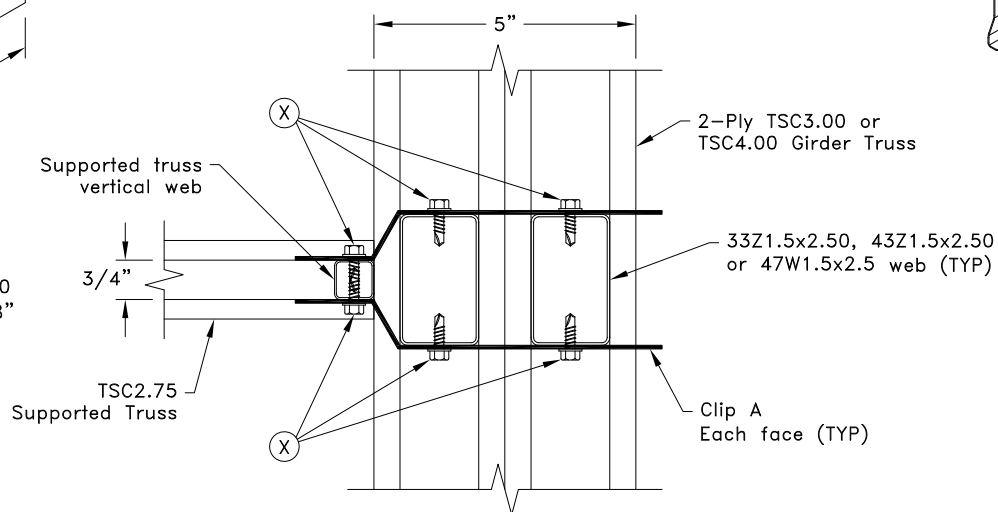
Typical Supported Truss to  
Girder Connection

Allowable Reaction and Uplift lbs (kN)	
X <sup>A</sup>	H = 24 in. (610mm) minimum
	R = U lbs (kN)
4	3300 (14.58)
5	3500 (15.57)

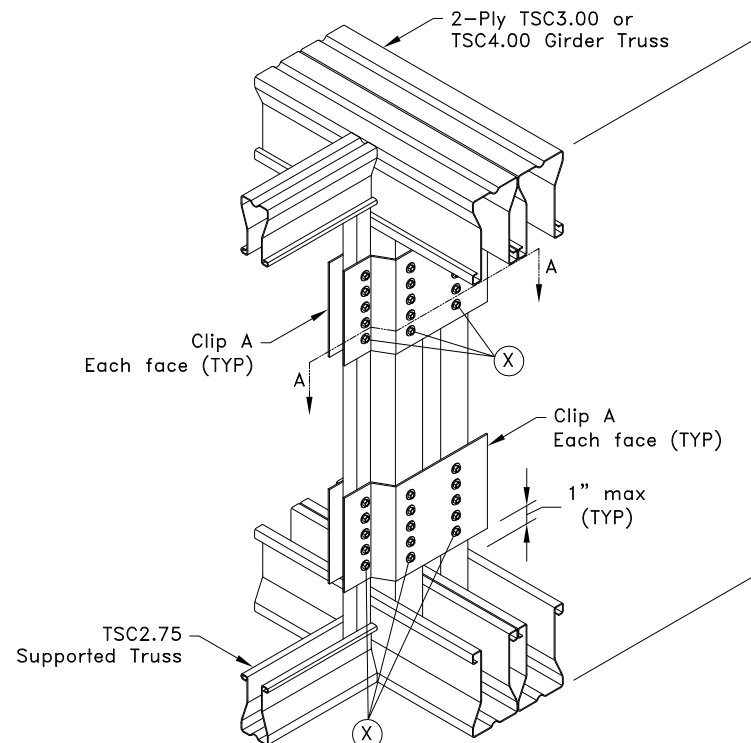
A. The quantity "X" refers to the number of #10SDS (Self-Drilling Tapping Screws) that are required on each side of each clip into the web member.



Clip A  
16g ASTM A653 SS Grade 33 G60  
Bare metal thickness:  $t = 0.0538"$



Section A-A



#### 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. R = Allowable Reaction  
U = Allowable Uplift
5. Cold-Formed Steel Calculations are per the 2010 supplement to the AISI 2007 "North American Specifications for the Design of Cold-Formed Steel Structural Members" (S100-07/S2-10).



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## Heavy TSC2.75 Truss-To-Truss Connection (2 Ply Girder)

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.

#### Custom Detail:

CD150818

#### Date:

08/27/15

#### Custom Detail Category:

Truss-To-Truss Connections