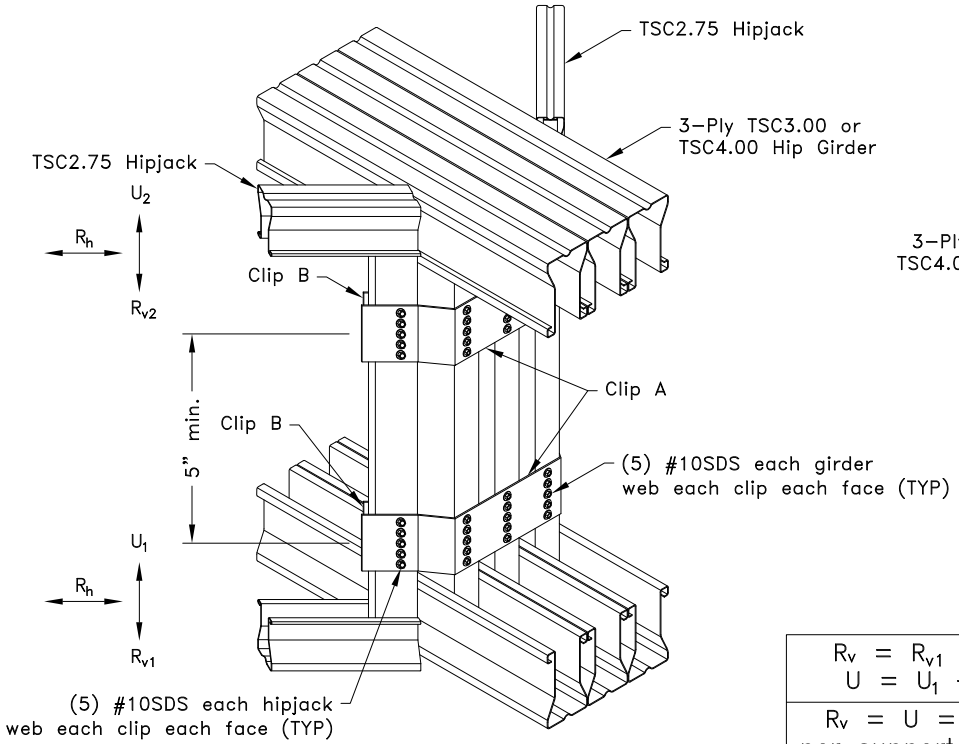
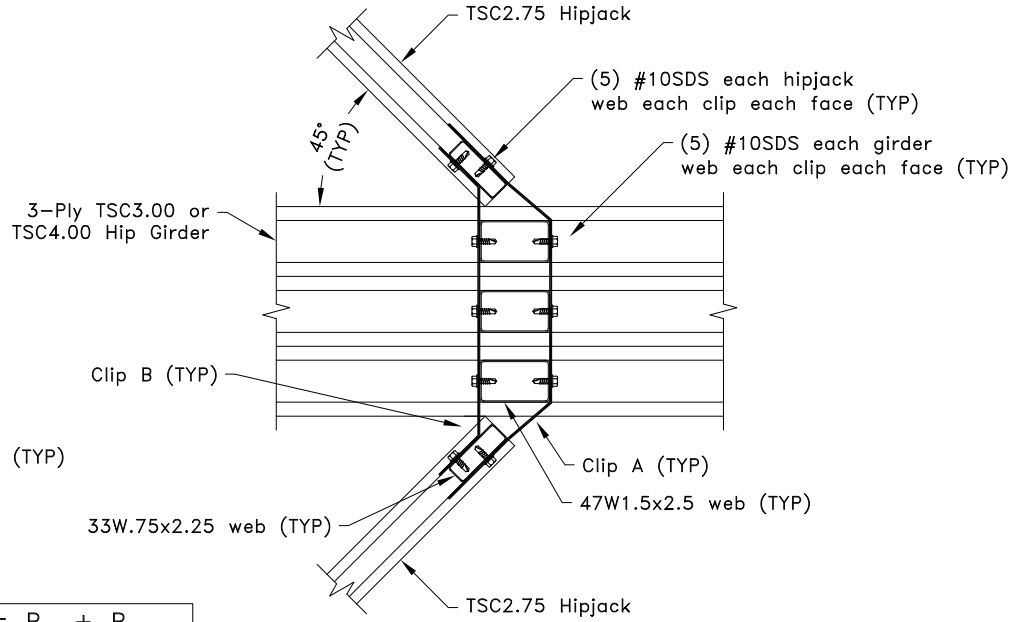
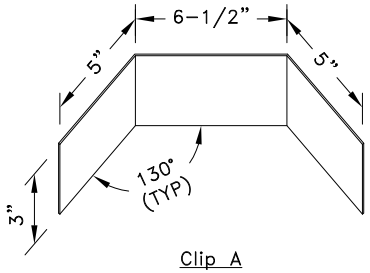


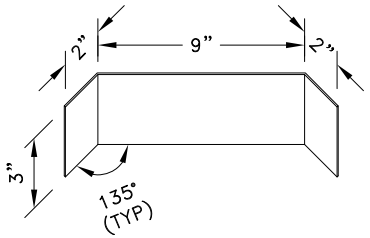




| |
|---|
| $R_v = R_{v1} + R_{v2}$<br>$U = U_1 + U_2$ |
| $R_v = U = 400\#$<br>per supported truss |
| $R_h = 570\#$<br>per supported truss |




Clip A

12g ASTM A653 SS Grade 33 Class 1 G60
Bare Metal Thickness: t = 0.0966"




Clip B

12g ASTM A653 SS Grade 33 Class 1 G60
Bare Metal Thickness: t = 0.0966"

General Notes:

1. The top and bottom chords of all trusses shall be properly connected to structural sheathing or purlins, designed by others.
2. SDS = Self-Drilling Tapping Screw
3. Screw end distance and edge distance is 9/32" minimum. Screw spacing is 9/16" minimum.
4. Truss must be analyzed with concentrated loads directly in line with correctly placed girder vertical webs.
5. $R_v$ refers to vertical reaction, $R_h$ refers to horizontal reaction and U refers to uplift.
6. Cold-Formed Steel Calculations are per the 2010 addendum to the AISI 2007 "North American Specifications for the Design of Cold-Formed Steel Structural Members" (S100-07/S2-10).

ALPINE TrusSteel™

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# 45° 3-Ply Hip Girder Truss-To-Truss Connection

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:** CD160807

**Date:** 08/16/16

**Custom Detail Category:** Truss-To-Truss Connection