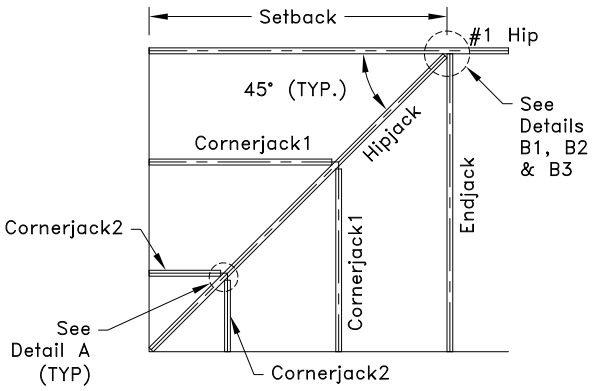
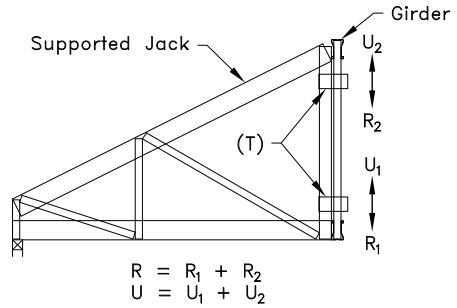


Partial Roof Layout

(T) = TTC; for 2 clip connection, place within 1" (25mm) of top and bottom as shown. For 1 clip connection, place within 1" (25mm) of bottom chord, or as analyzed. Bend clip to fit.



$R = R_1 + R_2$
$U = U_1 + U_2$

Typical Jack To Girder Connection

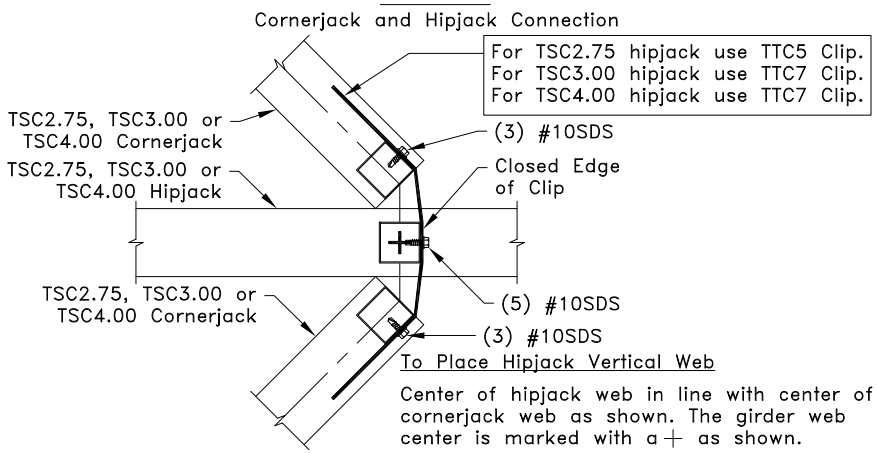
Allowable Values

Supported Jack Type	Number of Clips	R = U lbs (kN)
Cornerjack	1[A]	500 (2.22)
Cornerjack	2	1000 (4.44)
Hipjack	2	1235 (5.49)
Endjack	2	1235 (5.49)

A. (1) Clip may be used when supported truss height is less than 48" (1219mm).

Detail A

Cornerjack and Hipjack Connection

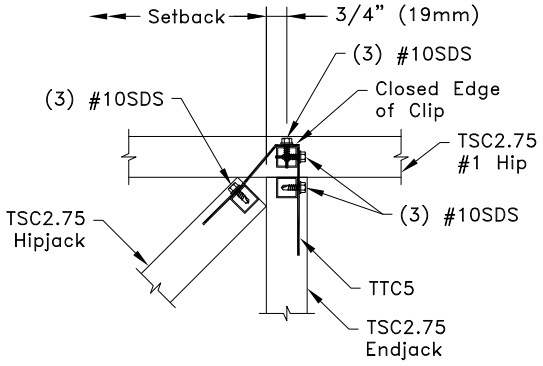


To Place Hipjack Vertical Web

Center of hipjack web in line with center of cornerjack web as shown. The girder web center is marked with a + as shown.

Detail B1

TSC2.75 Into TSC2.75 Connection

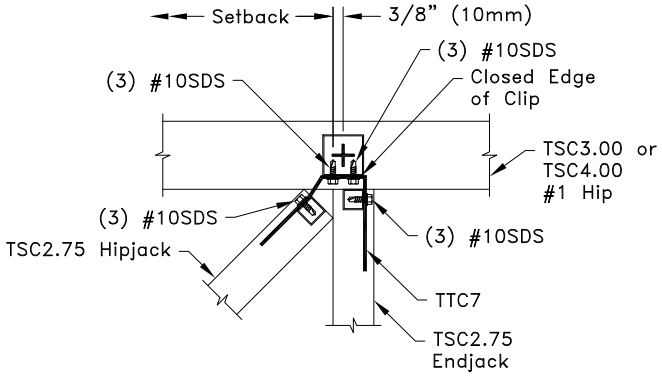


To Place #1 Hip Vertical Web

Edge of #1 hip web in line with edge of endjack web as shown. The girder web center is marked with a + as shown.

Detail B2

TSC2.75 Into TSC3.00 or TSC4.00 Connection

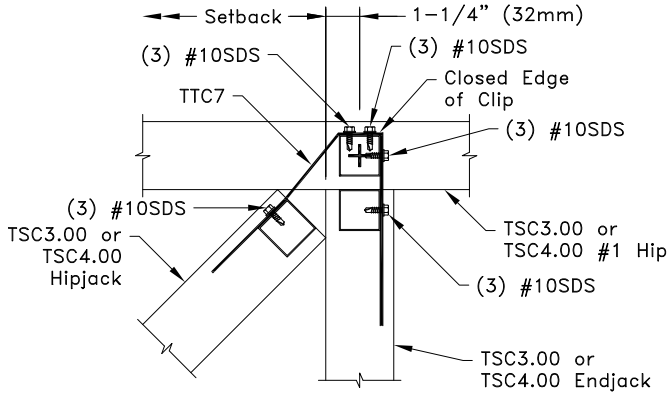


To Place #1 Hip Vertical Web

Edge of #1 hip web in line with edge of endjack web as shown. The girder web center is marked with a + as shown.

Detail B3

TSC3.00 or TSC4.00 Into TSC3.00 or TSC4.00 Connection



To Place #1 Hip Vertical Web

Edge of #1 hip web in line with edge of endjack web as shown. The girder web center is marked with a + as shown.

General Notes:

1. The top and bottom chords of all trusses shall be properly connected to structural sheathing or purlins.
2. If supported truss or girder web is a Z-web, refer to TS068 for connection areas.
3. SDS = Self-Drilling Tapping Screw. Screw spacing, edge distance and end distance is 9/16" (14mm) minimum.
4. Truss must be analyzed with concentrated loads directly in line with correctly placed girder vertical webs. Details A, B1, B2, & B3 give correct web placement information.
5. For multi-ply #1 Hips, refer to Standard Detail TS025D for ply to ply connection requirements.
6. Girder web shall not be a C-Web.
7. 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).

ALPINE TrusSteel™

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45° Hipjack, Endjack And Cornerjack Connection Details

Standard Detail:
TS025

Date:
06/01/22

TrusSteel Detail Category:
Truss-To-Truss Connections