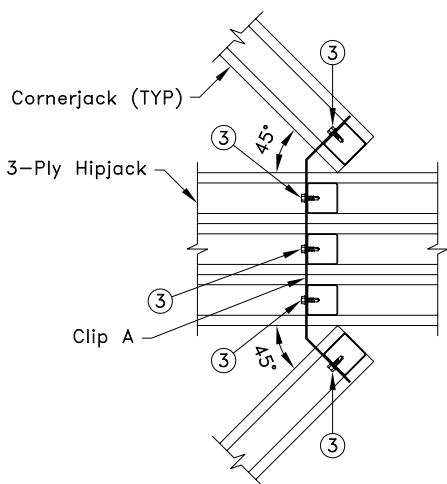
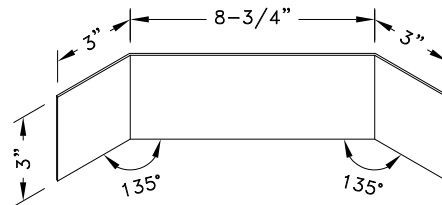


45° 3-ply Hipjack Connection



Alternate 45° 3-ply Hipjack Connection



Clip A

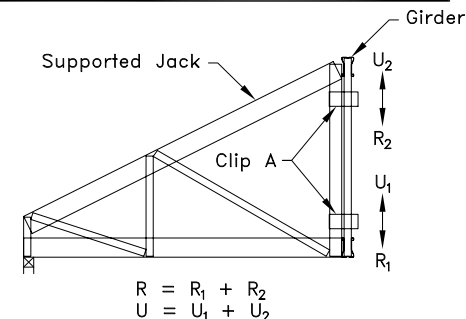
20g ASTM A653 Grade 33 G60  
Minimum Bare Metal Thickness:  $t = 0.0329$ "

#### Allowable Values

Supported Jack Type	Number of Clips	R = U lbs (kN)
Cornerjack	1 <sup>A</sup>	500 (2.22)
Cornerjack	2	1000 (4.44)

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

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



Typical Jack To Girder Connection

#### 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. Screw end distance and edge distance is 9/32" minimum. Screw spacing is 9/16" minimum.
4. Circled numbers represent quantity of #10 self-drilling tapping screws per clip.
5. Truss must be analyzed with concentrated loads directly in line with correctly placed girder vertical webs. TS025 and TS025A give correct web placement information.
6. If girder web is a C-Web, screws shall not be applied to open face. Position girder webs as shown in details.
7. 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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## 3-Ply Hipjack Connections

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 ITW Building Components Group, Inc.

#### Custom Detail:

CD140403

#### Date:

04/16/14

#### Custom Detail Category:

Truss-to-Truss Connections