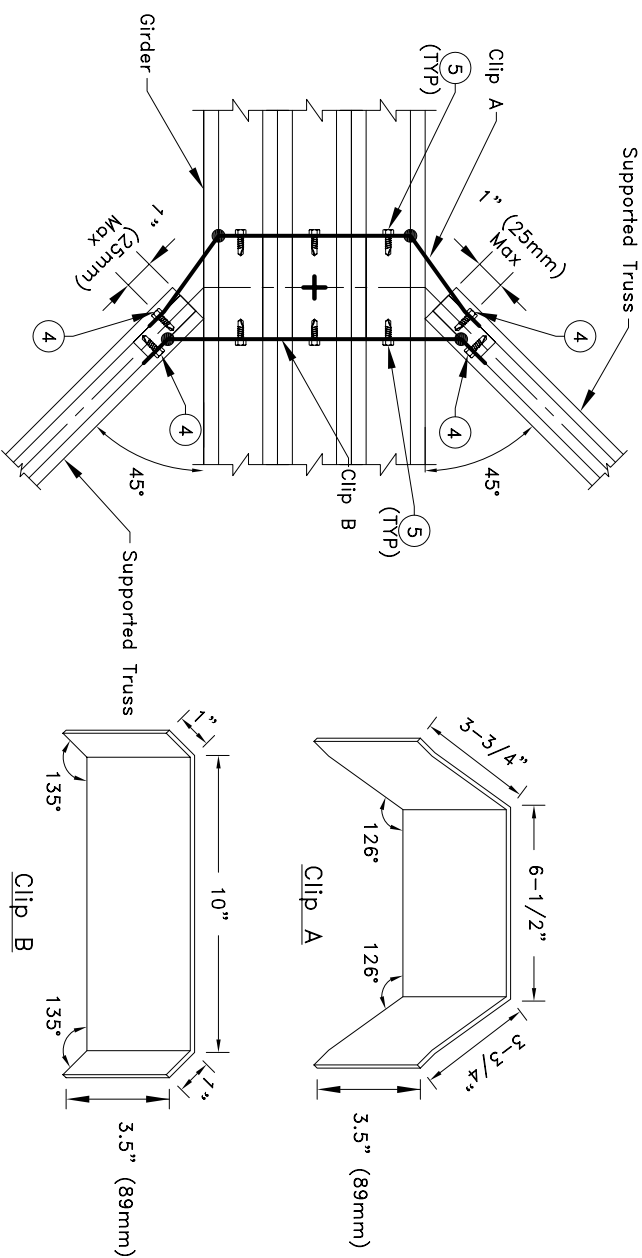


$$R_V = R_{V1} + R_{V2}$$

$$R_V = 250 \text{ lbs}$$

$$R_H = 475 \text{ lbs}$$



Clip Pair Cut Section

Girder web placement: Center lines of supported trusses line up with center of girder web, as shown above. The girder web center is marked with a **+** as shown.

General Clip Information

16g ASTM A653 SS Grade 50 Class 1 G60
Bare metal thickness = 0.0538" (1.37mm)

General Notes:

1. All edge distances are 3/8" (10mm) minimum.
2. All end distances and spacing are 9/16" (14mm) minimum.
3. Circled numbers represent the quantity of #10 self-drilling tapping screws.
4. Girder must be analyzed with concentrated loads from supported trusses in line with center of correctly placed girder webs. "Clip Pair Cut Section" gives correct girder web placement information.
5. Two clips must be used for one clip pair. Two clip pairs are required for connection as shown. Supported truss must be analyzed with clip type bearings.
6. ● = Clip Bend; Bend clip only once.
7. "R_V" refers to total vertical reaction of supported truss, "R_H" refers to horizontal reaction of supported truss, and "U" refers to uplift of supported truss.
8. This connection is for two identical trusses with one truss on each face of the girder web.
9. Calculations are per the 2004 addendum to the 2001 AISI North American Specification for cold-formed steel structures.



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Custom 45° Connection For Cantilevered Corner 3-Ply Hipjack

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:

TS-CD-TT-4501-002

Date:

09/04/08

Custom Detail Category:

Truss-to-Truss Connection