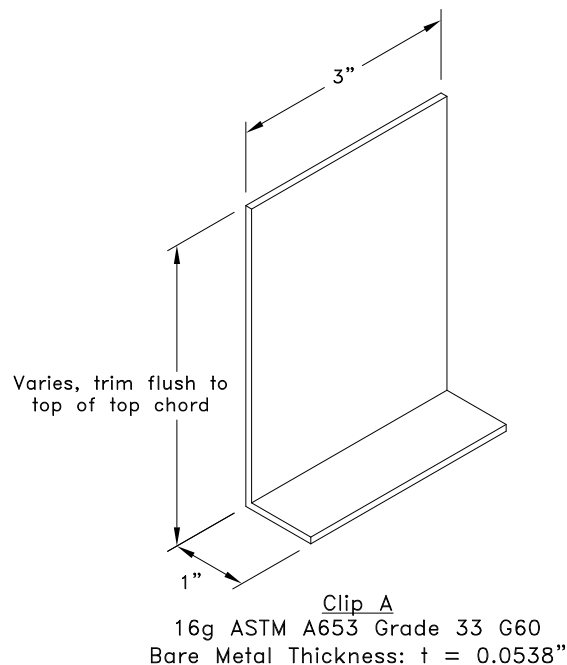


Connection To Cold-Formed Steel



$$\begin{aligned} R_v &= U = 0\# \\ P_1 &= 200\# \\ P_2 &= 0\# \end{aligned}$$

Structural steel with min.
tensile strength of 58ksi.
Design by others.

(2) Hilti X-U15 x 0.145\"
or X-U x 0.157\"
diameter universal
knurled shank into steel
(refer to General Note 4
below for length).

Connection To Structural Steel

General Notes:

1. SDS = Self-Drilling Tapping Screw
2. Screw end distance and edge distance is 9/32\" minimum. Screw spacing is 9/16\" minimum.
3. Care must be taken to insure pins are not overdriven. Pins that are overdriven may puncture surface of clip causing damage. If clip is damaged, the connection will not carry any load.
4. Pin length must be long enough to insure the tip penetrates completely through the steel. For steel $\geq 3/4$ \" thick tip penetration of at least 1/2\" is required.
5. Do not install pins into area of beam flange directly above beam web.
6. Refer to manufacturers specification and code approval regarding proper installation of anchor.
7. Reference manufacturers code approval for other steel pins.
8. Refer to TrusSteel standard detail TS020 for additional requirements.
9. R_v refers to vertical reaction, U refers to uplift and P_1 refers to lateral reaction parallel to truss and P_2 refers to lateral reaction perpendicular to truss.
10. 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).



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Top Chord Bearing Uplift Connection Detail

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:

CD150301

Date:

03/04/15

Custom Detail Category:

Uplift Connection