Allowable Loads <sup>5</sup> lbs		
Chord Size / Guage	U	P <sub>1</sub>
28TSC3.00	8,540	10,150
28TSC4.00	9,525	11,280
33TSC3.00	10,410	12,650
33TSC4.00	11,520	14,060
43TSC3.00	14,850	16,490
43TSC4.00	16,320	16,490
54TSC3.00	20,230	16,490
54TSC4.00	21,830	16,490
68TSC4.00	21,830	16,490
97TSC4.00	21,830	16,490

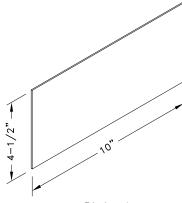
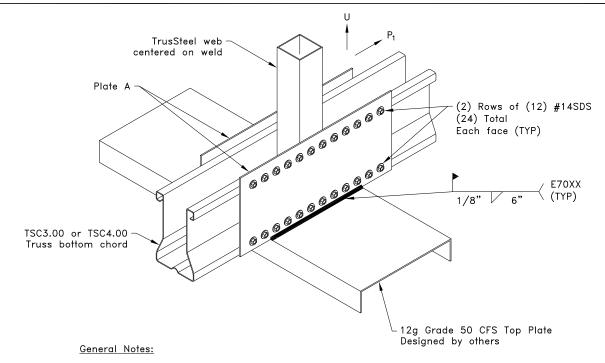


Plate A

10g ASTM A653 SS Grade 33 G60

Bare metal thickness: t = 0.13"



- 1. Wall top plate shall be manufactured from Cold-Formed Steel (CFS) with minimum tensile strength of 65 KSI, minimum 12g and a width of 6".
- 2. Attachment of second plate on opposite face of chord is identical to what is detailed.
- 3. Connection of top plate to wall must be capable of transferring truss uplift load from wall top plate to wall.
- 4. The wall top plate is to be designed by the job engineer. The wall top plate must be designed to support the loads applied to it (downward, upward and lateral).
- 5. Allowalbe loads shown are maximum values. If these loads are in combination contact a TrusSteel engineer.
- 6. Refer to TrusSteel Technical Bulletin 98.10.05 titled "Repair of Galvanized Surfaces" to restore corrosion resistant properties of the connection after welding.
- 7. SDS = Self-Drilling Tapping Screw
- 8. Screw end distance and edge distance is 3/8" minimum. Screw spacing is 3/4" minimum.
- 9. U refers to uplift and  $P_1$  refers to lateral load.
- 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" (\$100-07/\$2-10).

## ALPINE TrusSteel

www.TrusSteel.com

Florida: 2400 Lake Orange Drive, Suite 150 / Orlando, FL 32837 / (800) 755-6001 Missouri: 13389 Lakefront Drive / Earth City, MO 63045 / (800) 326-4102 Welded Truss Plate To Cold-Formed Steel

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 Bullding Components Group, Inc.

Custom Detail:

CD150501

Date:

05/06/15

Custom Detail Category:

Truss-To-Bearing Connection