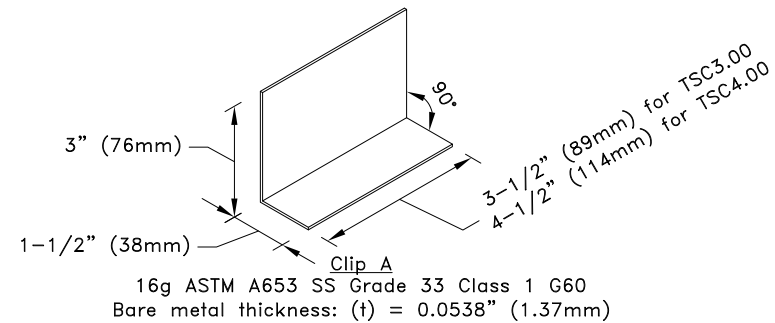
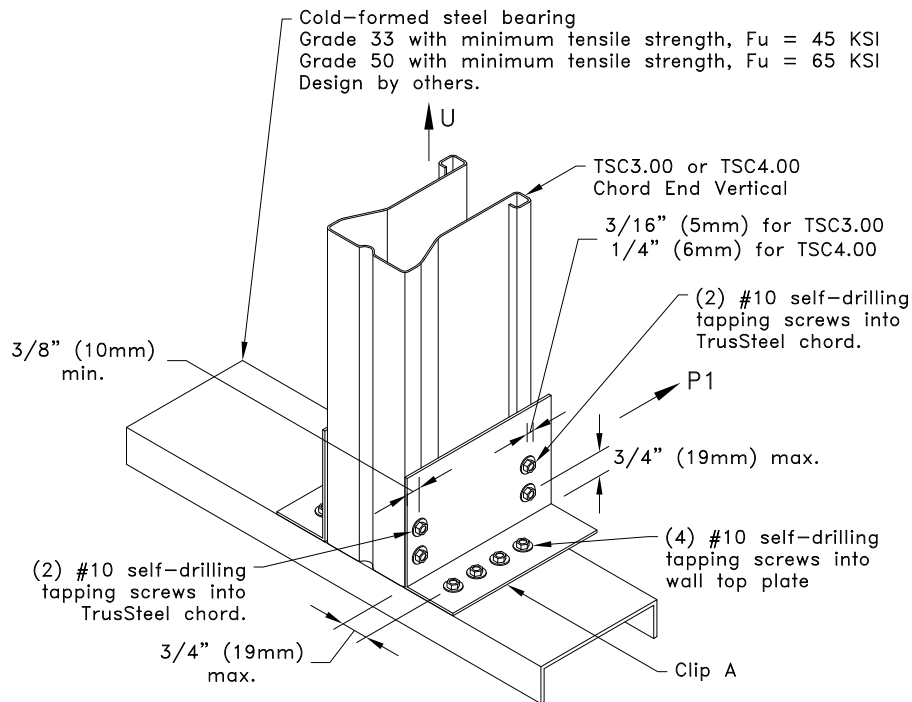


Wall Top Plate / Min Thickness	Allowable U lbs (kN) <sup>A</sup> Clip on Both Faces	Allowable P1 lbs (kN) <sup>A</sup>					
		28TSC Clip on Both Faces	33TSC Clip on Both Faces	43TSC Clip on Both Faces	54TSC Clip on Both Faces	68TSC Clip on Both Faces	97TSC Clip on Both Faces
20g (33 mils) Grade 33	670 (2.98)	650 (2.89)	790 (3.51)	1130 (5.03)	1330 (5.92)	1410 (6.27)	1410 (6.27)
20g (33 mils) Grade 50	970 (4.31)					1640 (7.30)	1740 (7.74)
18g (43 mils) Grade 33	870 (3.87)						
18g (43 mils) Grade 50	1260 (5.60)						
16g (54 mils) Grade 33	1100 (4.89)						
16g (54 mils) Grade 50	1310 (5.83) <sup>B</sup>						
14g (68 mils) Grade 33	1310 (5.83)						
14g (68 mils) Grade 50	1310 (5.83) <sup>C</sup>						
12g (97 mils) Grade 33	1310 (5.83) <sup>C</sup>						
12g (97 mils) Grade 50	1310 (5.83) <sup>C</sup>						

A. Allowable loads shown on this detail are not in combination.

B. If 28TSC4.00 U = 1470 lbs (6.54 kN), if 33TSC3.00 or 33TSC4.00 U = 1580 lbs (7.03 kN).

C. If 28TSC4.00 U = 1470 lbs (6.54 kN), if 33TSC3.00 U = 1580 lbs (7.03 kN), if 33TSC4.00 U = 1770 lbs (7.87 kN), if 43TSC3.00 or 43TSC4.00 U = 1960 lbs (8.72 kN).



**General Notes:**

1. The wall top plate is to be designed by the job engineer. The wall top plate and connection of top plate to wall stud must be designed to support the loads applied to it (downward, upward and lateral).
2. This detail is for 1-Ply or 2-Ply truss only, for 3-Ply trusses contact a TrusSteel engineer.
3. Screw end distance and edge distance is 9/32\" (7mm) minimum, except as shown. Screw spacing is 9/16\" (14mm) minimum.
4. Clip is required on both faces, attach the second clip to the opposite face of the chord as detailed.
5. Cold-Formed Steel calculations are per the 2020 supplement to AISI 1616 \"North American Specification for the Design of Cold-Formed Steel Structural Members\" (S100-16/S2-20).



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**TSC3.00 or TSC4.00 Chord End Vertical Uplift Attachment To Cold-Formed Steel Using Screws**

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.

**Standard Detail:**

TS075A

**Date:**

06/01/22

**TrusSteel Detail Category:**

Truss-To-Bearing: Cold-Formed Steel