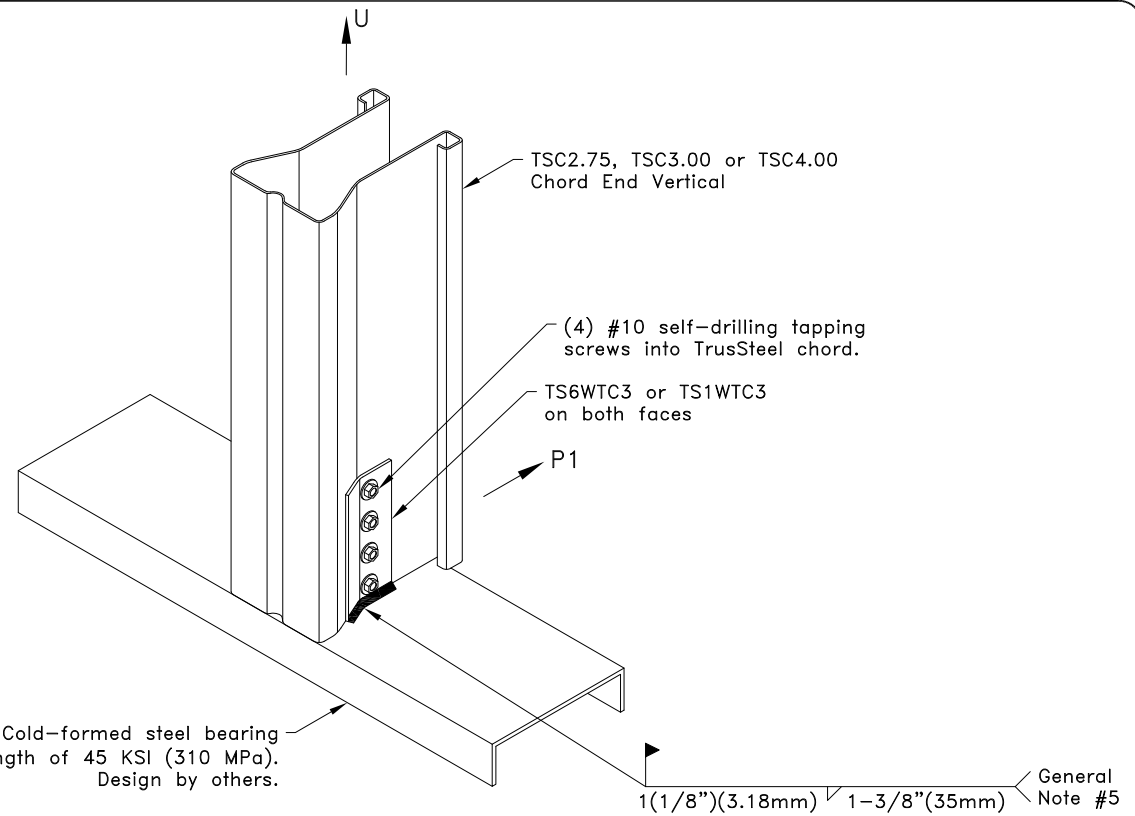
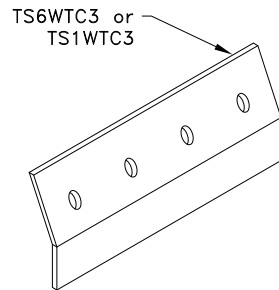


Allowable Loads lbs (kN) <sup>A</sup>			
Chord	Allowable Loads <sup>A</sup>	Clip on both faces	
		TS6WTC3	TS1WTC3
28TSC2.75 or 28TSC3.00 or 28TSC4.00	U	1640 (7.30)	1640 (7.30)
	P1	410 (1.82)	410 (1.82)
33TSC2.75 or 33TSC3.00 or 33TSC4.00	U	2010 (8.94)	2040 (9.07)
	P1	510 (2.27)	510 (2.27)
43TSC2.75 or 43TSC3.00 or 43TSC4.00	U	2010 (8.94)	2980 (13.26)
	P1	760 (3.38)	760 (3.38)
54TSC3.00 or 54TSC4.00	U	2010 (8.94)	2980 (13.26)
	P1	870 (3.87)	1050 (4.67)
68TSC3.00 or 68TSC4.00	U	2010 (8.94)	2980 (13.26)
	P1	870 (3.87)	1050 (4.67)
97TSC3.00 or 97TSC4.00	U	2010 (8.94)	2980 (13.26)
	P1	870 (3.87)	1050 (4.67)

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



16g (54 mils) Grade 33 Cold-formed steel bearing  
minimum tensile strength of 45 KSI (310 MPa).  
Design by others.



TS6WTC3  
bare metal thickness (t) = 0.0538 in. (1.37mm)  
TS1WTC3  
bare metal thickness (t) = 0.128 in. (3.25mm)

**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. Clip is required on both faces, attach the second clip to the opposite face of the chord as detailed.
4. Refer to TrusSteel Technical Bulletin 98.10.05 titled "Repair of Galvanized Surfaces" to restore corrosion resistant properties of the connection after welding.
5. Weld values are based on a filler material with a minimum tensile strength of 70 ksi (483 MPa).
6. Cold-Formed Steel calculations are per the 2020 supplement to AISI 2016 "North American Specification for the Design of Cold-Formed Steel Structural Members" (S100-16/S2-20).



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**Chord End Vertical With  
TS6WTC3 or TS1WTC3  
Welded Truss Clip to  
Cold-Formed Steel Bearing**

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:**  
TS074B

**Date:**  
06/01/22

**TrusSteel Detail Category:**  
Truss-To-Bearing: Cold-Formed Steel