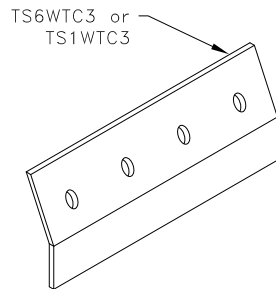
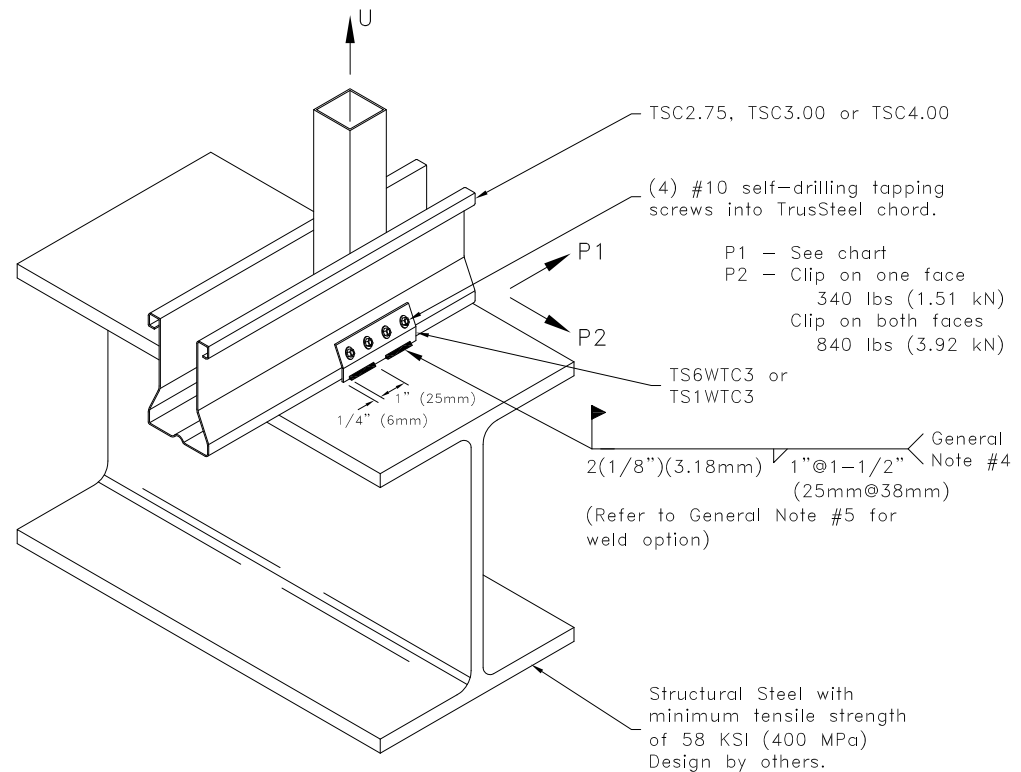


Allowable Loads lbs (kN) ^A					
Chord	Allowable Loads ^A	Clip on one face ^B		Clip on both faces	
		TS6WTC3	TS1WTC3	TS6WTC3	TS1WTC3
28TSC2.75	U	550 (2.45) ^C		1640 (7.30)	
	P1	820 (3.65)		1640 (7.30)	
33TSC2.75	U	550 (2.45) ^C		2040 (9.07)	
	P1	1020 (4.54)		2040 (9.07)	
43TSC2.75	U	550 (2.45) ^C		2850 (12.68)	3040 (13.52)
	P1	1520 (6.76)		3040 (13.52)	
28TSC3.00 or 28TSC4.00	U	820 (3.65)		1640 (7.30)	
	P1	820 (3.65)		1640 (7.30)	
33TSC3.00 or 33TSC4.00	U	1020 (4.54) ^D		2040 (9.07)	
	P1	1020 (4.54)		2040 (9.07)	
43TSC3.00 or 43TSC4.00	U	1400 (6.23) ^D		2850 (12.68)	3040 (13.52)
	P1	1520 (6.76)		3040 (13.52)	
54TSC3.00, 54, 68, and 97TSC4.00	U	1400 (6.23) ^D		2850 (12.68)	4180 (18.60)
	P1	1650 (7.34)	2090 (9.30)	3290 (14.63)	4180 (18.60)

- A. Allowable loads shown on this detail are not in combination.
 B. Uplift connections with clip on one face require a web above connection.
 C. If web above connection is 33W.75x1.5, U = 820 lbs (365 kN).
 D. If web above connection is 33W1.5x.75, U = 910 lbs (4.05 kN).
 If web above connection is 33C1.5x1.5, U = 1010 lbs (4.49 kN).



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



General Notes:

- Attachment of second clip on opposite face of chord is identical to what is detailed.
- Refer to TrusSteel Technical Bulletin 98.10.05 titled "Repair of Galvanized Surfaces" to restore corrosion resistant properties of the connection after welding.
- If a TS6WTC3 clip is welded to steel in excess of 3/16" (4.76mm) thick the weld shall be qualified in accordance with Chapter 4 of the Structural Welding Code—Sheet Steel (AWS D1.3)
- Weld values are based on a filler material with a minimum tensile strength of 70 ksi (483 MPa).
- In lieu of welds specified above, the full length of the TS6WTC3/TS1WTC3 may be welded to the bearing.
- Cold-Formed Steel Calculations are per the 2010 supplement to the AISI 2007 "North American Specifications for the Design of Cold-Formed Steel Structural Members" (S100-07/S2-10).

TrusSteel[®]

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**TS6WTC3 or TS1WTC3
Welded Truss Clip
to Structural Steel Bearing**

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.

Standard Detail:

TS027

Date:

07/16/12

TrusSteel Detail Category:

Truss-To-Bearing: Structural Steel