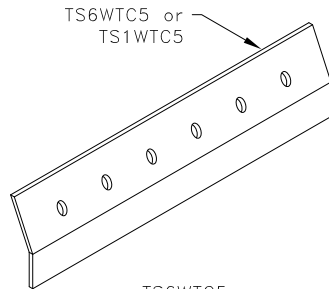
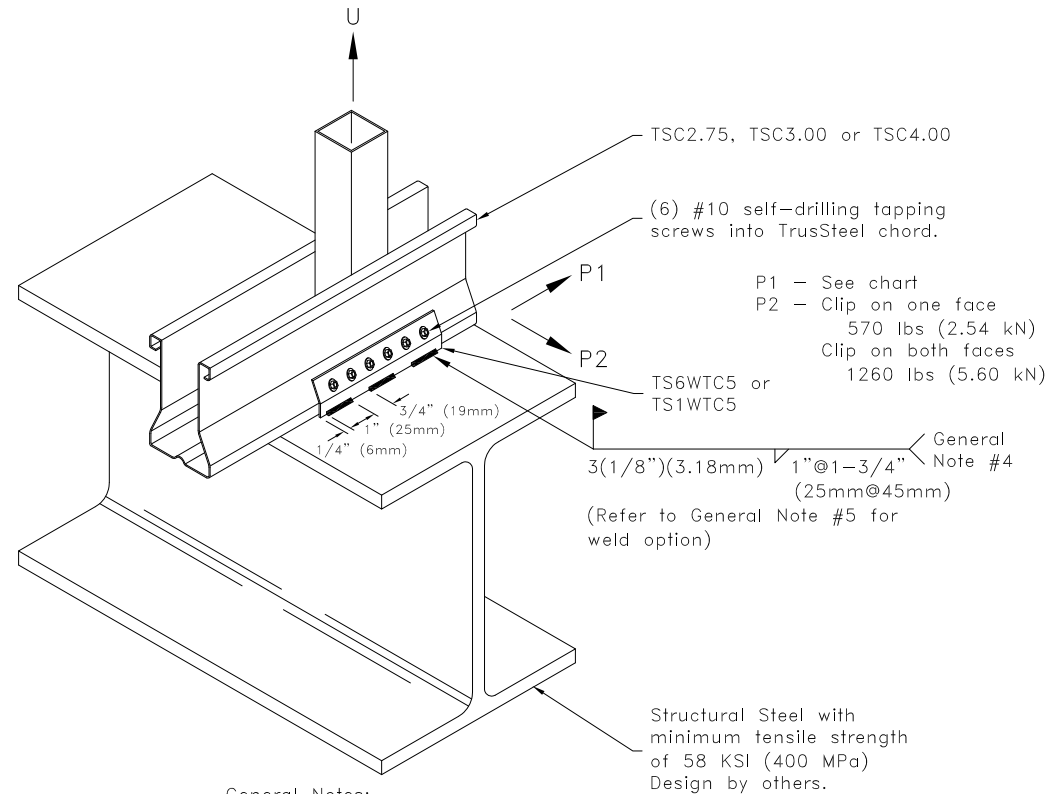


Allowable Loads lbs (kN) ^A					
Chord	Allowable Loads ^A	Clip on one face ^B		Clip on both faces	
		TS6WTC5	TS1WTC5	TS6WTC5	TS1WTC5
28TSC2.75	U	550 (2.45) ^C		2460 (10.94)	
	P1	1230 (5.47)		2460 (10.94)	
33TSC2.75	U	550 (2.45) ^C		3060 (13.61)	
	P1	1530 (6.81)		3060 (13.61)	
43TSC2.75	U	550 (2.45) ^C		4560 (20.28)	
	P1	2280 (10.14)		4560 (20.28)	
28TSC3.00 or 28TSC4.00	U	1230 (5.47) ^D		2460 (10.94)	
	P1	1230 (5.47)		2460 (10.94)	
33TSC3.00 or 33TSC4.00	U	1400 (6.23) ^D		3060 (13.61)	
	P1	1530 (6.81)		3060 (13.61)	
43TSC3.00 or 43TSC4.00	U	1400 (6.23) ^D		4560 (20.28)	
	P1	2280 (10.14)		4560 (20.28)	
54TSC3.00, 54, 68, and 97TSC4.00	U	1400 (6.23) ^D		4920 (21.89)	6280 (27.93)
	P1	2470 (10.99)	3140 (13.97)	4930 (21.93)	6280 (27.93)

- 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 = 960 lbs (4.27 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).



TS6WTC5
bare metal thickness (t) = 0.0538 in. (1.37mm)
 TS1WTC5
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 TS6WTC5 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 TS6WTC5/TS1WTC5 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).

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**TS6WTC5 or TS1WTC5
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:

TS027A

Date:

07/16/12

TrusSteel Detail Category:

Truss-To-Bearing: Structural Steel

Florida: 1950 Marley Drive / Haines City, FL 33844 / (800) 755-6001
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