

# Maximum Uplift Capacity U, lbs. (kN)

Wall top plate/min. thickness	Clip on one face+	Clip on each face
22g grade 33/0.0269 in. (0.68mm)	290 (1.29)	690 (3.07)
22g grade 50/0.0269 in. (0.68mm)	400 (1.78)	990 (4.40)
20g grade 33/0.0328 in. (0.83mm)	350 (1.56)	840 (3.74)
20g grade 50/0.0328 in. (0.83mm)	400 (1.78)	1210 (5.38)
18g grade 33/0.0428 in. (1.09mm)	400 (1.78)	1090 (4.85)
18g grade 50/0.0428 in. (1.09mm)	400 (1.78)	1580 (7.03)
16g grade 33/0.0538 in. (1.37mm)	400 (1.78)	1370 (6.09)
16g grade 50/0.0538 in. (1.37mm)	400 (1.78)	1980 (8.81)
14g grade 33/0.0677 in. (1.72mm)	400 (1.78)	1730 (7.70)
14g grade 50/0.0677 in. (1.72mm)	400 (1.78)	2050 (9.12)
12g grade 33/0.0966 in. (2.45mm)	400 (1.78)	2050 (9.12)
12g grade 50/0.0966 in. (2.45mm)	400 (1.78)	2050 (9.12)

+ Connections with clip on one face require web above connection.

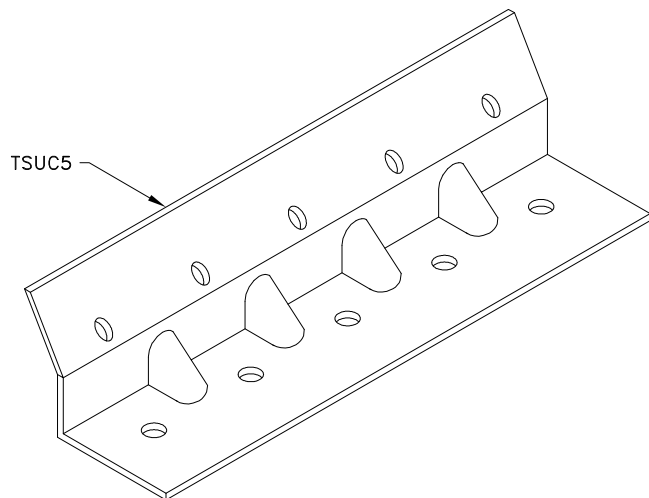
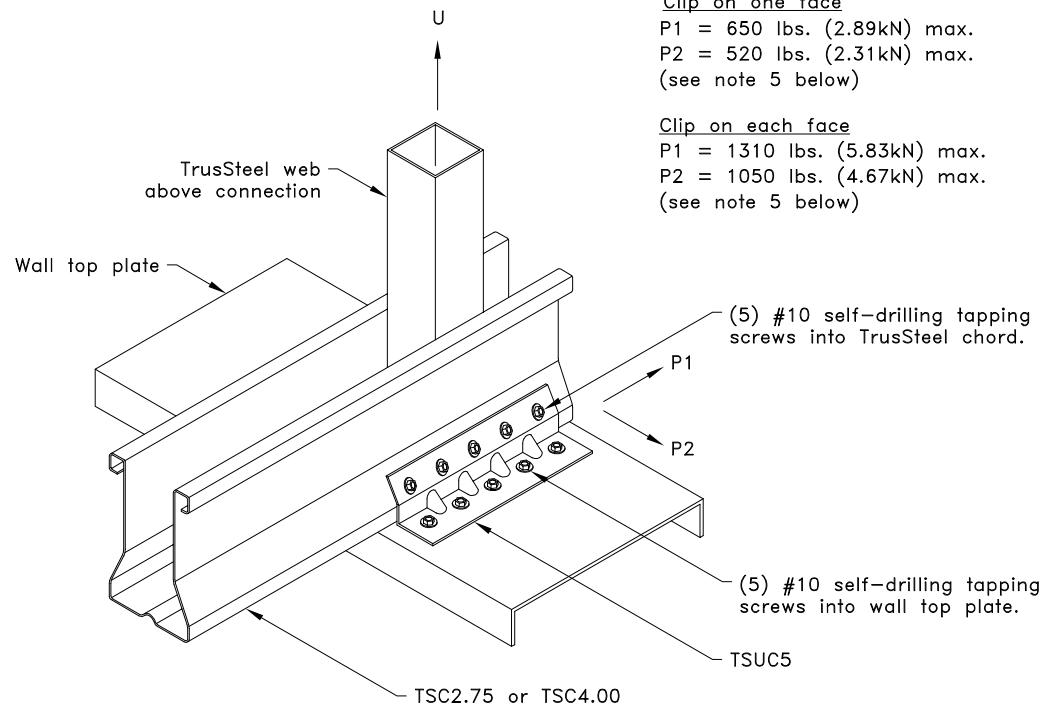
# Maximum Allowable Lateral Loads

## Clip on one face

P1 = 650 lbs. (2.89kN) max.  
P2 = 520 lbs. (2.31kN) max.  
(see note 5 below)

## Clip on each face

P1 = 1310 lbs. (5.83kN) max.  
P2 = 1050 lbs. (4.67kN) max.  
(see note 5 below)



# General Notes:

1. Wall top plate shall be manufacturer from Cold-Formed Steel (CFS) with minimum tensile strength of 45 KSI (310 MPa) and maximum width of 6" (152mm).
2. Attachment of second clip on opposite face of chord is identical to what is detailed.
3. Connection of top plate to wall stud must be capable of transferring truss uplift load from wall top plate to wall stud.
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. Lateral allowable loads (P1 and P2) shown are maximum values. If these loads are in combination with an uplift load, contact a TrusSteel engineer.
6. The allowable loads outlined in this detail have not been increased by 1.33.
7. If used in Florida, this connection shall not be used in the High Velocity Hurricane Zone (HVHZ) per 2007 Florida Building Code (FBC).



www.TrusSteel.com

Florida: 1950 Marley Drive / Haines City, FL 33844 / (800) 755-6001  
Missouri: 13389 Lakefront Drive / Earth City, MO 63045 / (800) 326-4102  
California: 8351 Rovana Circle / Sacramento, CA 95828 / (800) 877-3678

# TSUC5 Uplift Attachment To Cold-Formed Steel

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.

# Custom Detail:

TS-CD-TB-CF5-001

Date:

10/07/10

# Custom Detail Category:

Truss-To-Bearing: All Other Materials