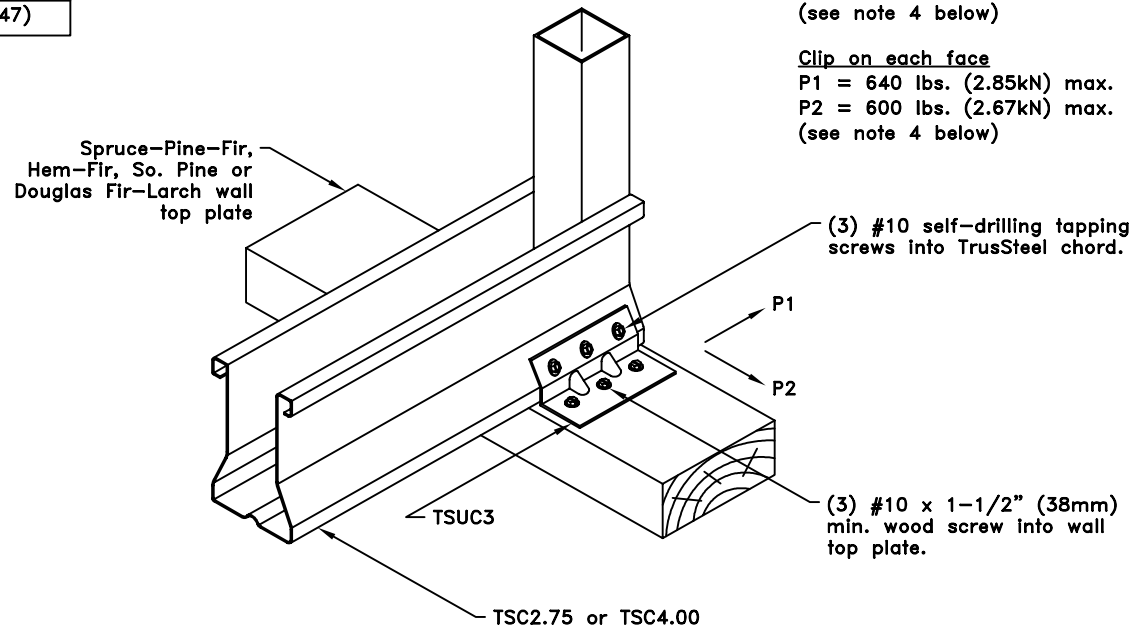
Maximum Uplift Capacity lbs. (kN)		
Wall top plate species	Clip on one face	Clip on each face
Spruce–Pine–Fir	380 (1.69)	910 (4.05)
Hem–Fir	400 (1.78)	960 (4.27)
Douglas Fir–Larch	400 (1.78)	1230 (5.47)
Southern Pine	400 (1.78)	1230 (5.47)

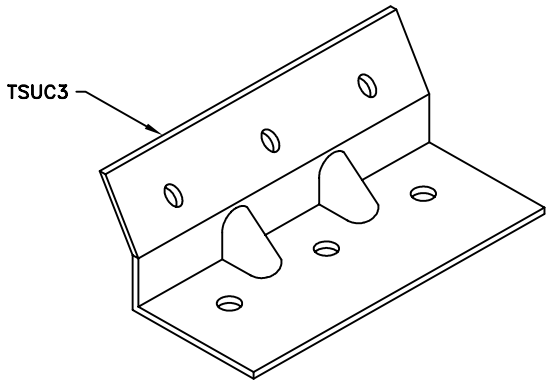
– The allowable loads controlled by wood screw pullout have been increased by a duration factor of 1.6 for wind and seismic loads.

Maximum Allowable Lateral Loads

Clip on one face
P1 = 320 lbs. (1.42kN) max.
P2 = 210 lbs. (0.93kN) max.
(see note 4 below)

Clip on each face
P1 = 640 lbs. (2.85kN) max.
P2 = 600 lbs. (2.67kN) max.
(see note 4 below)





General Notes:

1. 2" (38mm) x 4" (89mm) or larger top plate may be used.
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. Lateral allowable loads (P1, P2) shown are maximum values. If these loads are in combination with an uplift load, contact a TrusSteel engineer or refer to the concrete anchor manufacturers code approval.
5. Wood screws require a lead hole to be drilled before insertion of screw. Diameter of lead hole to be 9/64" (3.57mm).
6. The allowable loads outlined in this detail have not been increased by 1.33.

TrusSteel®
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TSUC3 Uplift Attachment To Wood

REGISTERED PROFESSIONAL ENGINEER
GAROLD W. HEAL
Aug 24, 2007
No. C 58005
Exp 6/30/2008
CIVIL
STATE OF CALIFORNIA

Standard Detail:
TS032

Date:
06/04/07

TrusSteel Detail Category:
Truss-To-Bearing: All Other Materials