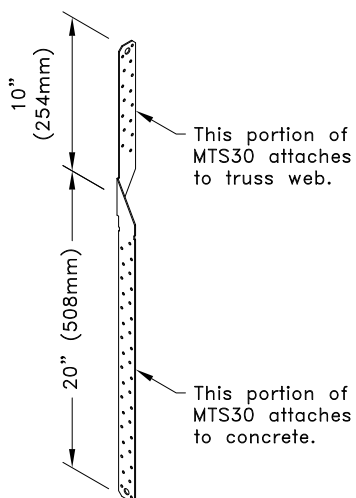


Contact a TrusSteel engineer if the approved truss drawing has been analyzed with a bearing under the bottom chord. Resisting uplift at the web of the truss changes the truss analysis.

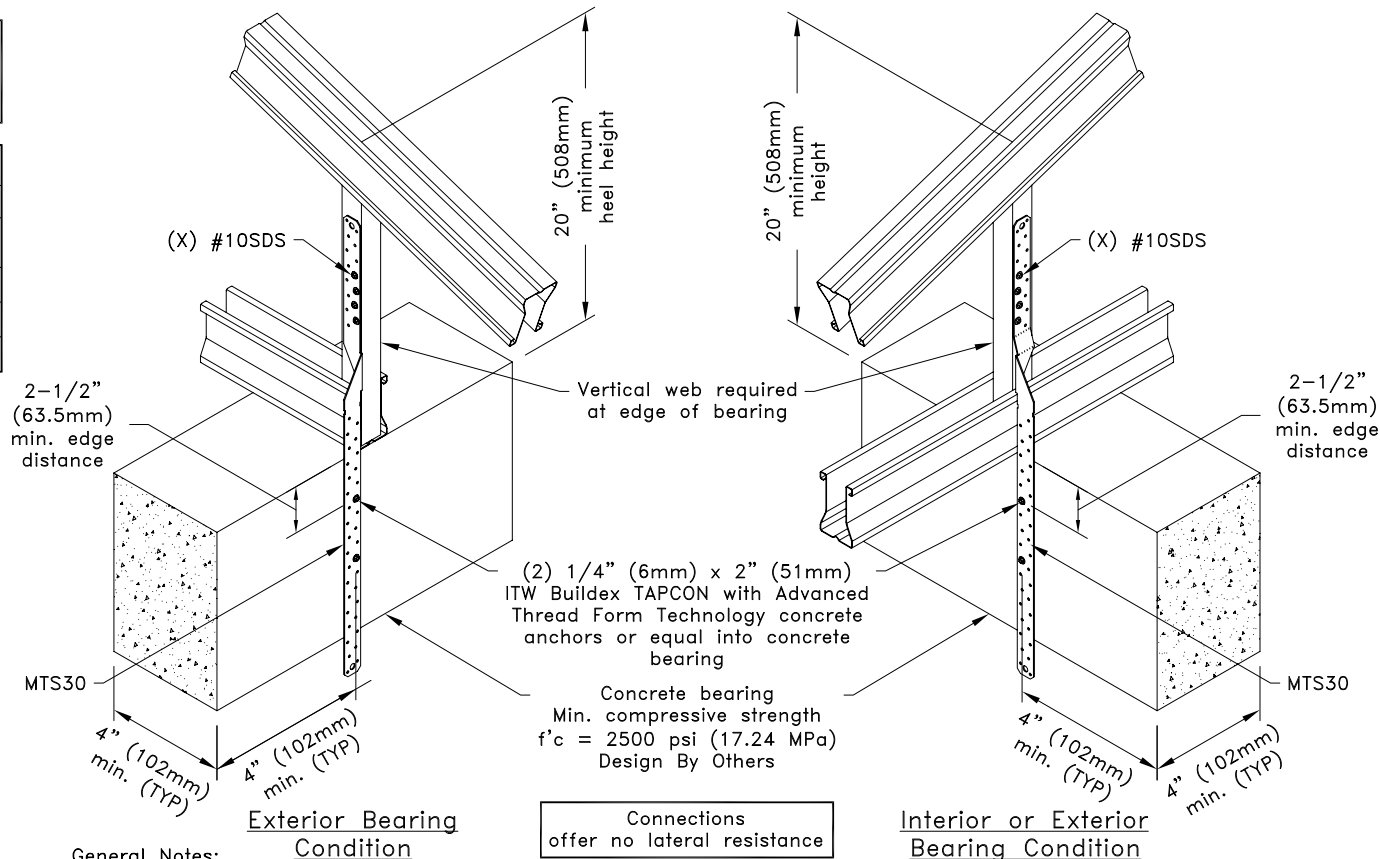
Allowable U lbs (kN) ^A			
X ^B	MTS on One Face		MTS on Both Faces
	TSC2.75	TSC3.00 or TSC4.00	TSC2.75, TSC3.00 and TSC4.00
2	430 (1.91)	430 (1.91)	860 (3.83)
3	550 (2.45)	650 (2.89)	1300 (5.78)
4	550 (2.45)	850 (3.78)	1710 (7.61)

A. Per ICC ESR-2202 (October, 2017), the design values given above are for uncracked concrete only, and special inspection is required.

B. The quantity "X" represents the required number of #10 self-drilling tapping screws.



MTS30



General Notes:

- 2-Ply trusses require a strap on each face. For connection to 3-Ply trusses contact a TrusSteel engineer.
- SDS = self-drilling tapping screw. #10SDS end distance, edge distance and spacing is 9/16" (14mm) minimum.
- TAPCON shear values into concrete are per ICC ESR-2202 (October, 2017). Refer to ICC ESR-2202 regarding proper installation of anchor and requirements of special inspection.
- TAPCON concrete minimum anchor spacing is 4" (102mm). Minimum edge distance is 2-1/2" (63.5mm).
- TAPCON concrete anchor shall not be installed until concrete has reached the specified design strength.
- If a MTS30 is required on both faces, attach the second MTS30 to the opposite face of the chord as detailed and apply them to the same face of the wall.
- It is permissible to substitute an equal alternative for the Simpson Strong-Tie hardware specified on this detail.
- Cold-Formed Steel Calculations are per the AISI 2016 "North American Specifications for the Design of Cold-Formed Steel Structural Members" (S100-16).



www.TrusSteel.com

Florida: 6750 Forum Drive, Suite 305 / Orlando, FL 32821 / (800) 755-6001
 Missouri: 13723 Riverport Drive, Suite 200 / Maryland Heights, MO 63043 / (800) 326-4102

**Simpson MTS30 (or equal)
 Uplift Attachment To Truss Vertical
 Web Into Face Of Concrete 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:

TS058A

Date:

10/11/18

TrusSteel Detail Category:

Truss-To-Bearing: Concrete