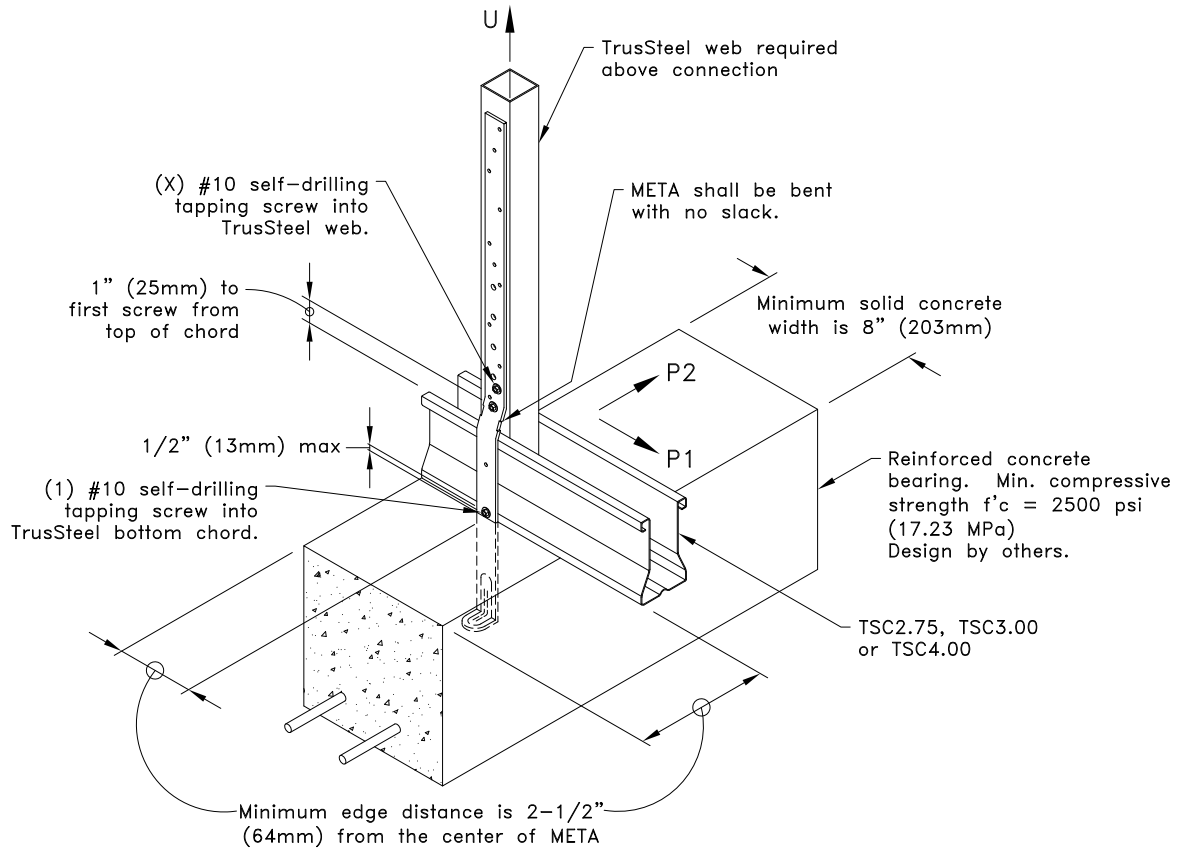
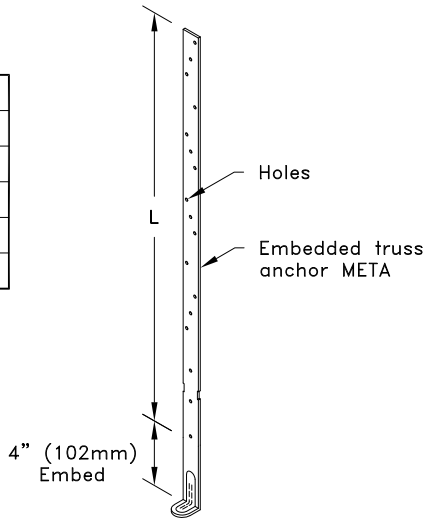


Contact a TrusSteel engineer if the approved truss drawing has been analyzed with a bearing under the bottom chord. Resisting uplift at the web of the truss changes the truss analysis.

Allowable U lbs (kN) ^A			
χ^B	META on One Face		META on Both Faces
	TSC2.75	TSC3.00 or TSC4.00	TSC2.75, TSC3.00 and TSC4.00
2	440 (1.96)	440 (1.96)	880 (3.91)
3	550 (2.45)	660 (2.94)	1320 (5.87)
4	550 (2.45)	880 (3.91)	1760 (7.83)
Allowable P1 and P2 lbs (kN) ^A			
P1/P2	META on One Face	META on Both Faces	
P1	85 (0.38)	170 (0.76)	
P2	65 (0.29)	130 (0.58)	

A. Allowable loads shown are not in combination.
 B. The quantity "X" represents the required number of #10 self-drilling tapping screws.

META	"L" in. (mm)
META16	12 (305)
META18	14 (356)
META20	16 (406)
META22	18 (457)
META24	20 (508)



General Notes:

1. If an META is required on both faces, attach the second META to the opposite face of the chord as detailed.
2. 2-Ply trusses require a strap on each face. For connection to 3-Ply trusses contact a TrusSteel engineer.
3. Truss shall have at least one vertical web over the bearing to accommodate the META.
4. Screws shall be located such that one screw connects the META and the truss bottom chord and at least two screws connect the META and the vertical web over the bearing. The one screw connecting the META to the truss bottom chord must be located no more than 1/2" (13mm) up from the bottom of the chord.
5. META (or equal) length is to be determined by quantity of screws required in the strap.
6. Allowable loads shown are for use with normal weight concrete.
7. It is permissible to substitute an equal alternative for the Simpson Strong-Tie hardware specified on this detail.
8. Cold-Formed Steel calculations are per the 2020 supplement to AISI 2016 "North American Specification for the Design of Cold-Formed Steel Structural Members" (S100-16/S2-20).



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Simpson META (or equal) Uplift Attachment To 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:
TS034

Date:
06/01/22

TrusSteel Detail Category:
Truss-To-Bearing: Concrete