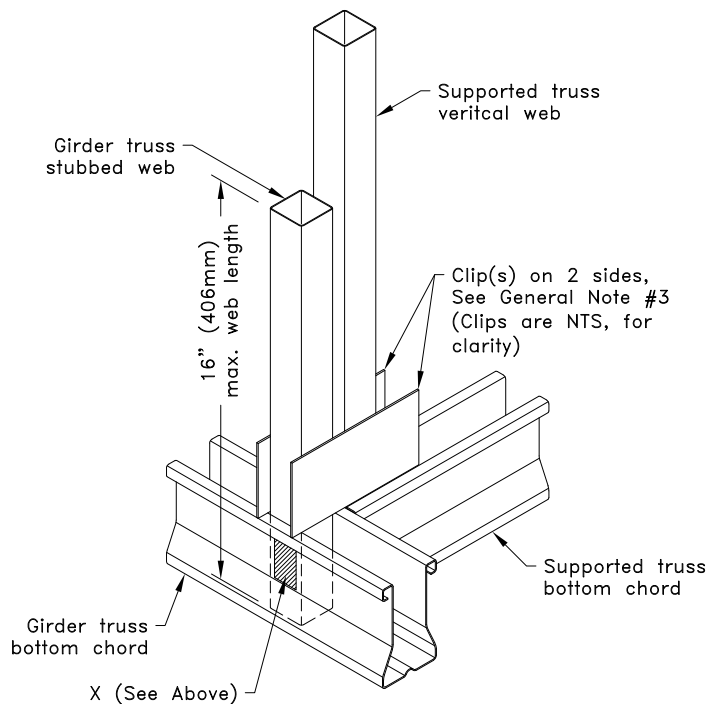


Number of #14AMD Fasteners (X)	Chord Gauge – Maximum Tie-In Loads, lbs. (kN)				Tube Gauge, 16" (406mm) Max. Length					Z-Web Gauge, 16" (406mm) Max. Length			
	28TSC	33TSC	43TSC	54TSC 68TSC 97TSC	33W 1.5x1.5	47W 1.5x1.5	56W 1.5x1.5	47W 1.5x2.5	63W 1.5x3.5	33Z 1.5x1.62	33Z 1.5x2.50	43Z 1.5x2.50	43Z 1.5x3.62
2	1165 (5.18)	1375 (6.12)	1565 (6.96)	1770 (7.87)	●	●	●	●	●	●	●	●	●
3	1745 (7.76)	2065 (9.19)	2350 (10.45)	2660 (11.83)	●	●	●	●	●	●	●	●	●
4	2330 (10.36)	2750 (12.23)	3130 (13.92)	3545 (15.77)	●	●	●	●	●	●	●	●	●
4	2910 (12.94)	3655 (16.26)	4355 (19.37)	4665 (20.75)		●	●	●	●			●	●
5	–	–	3915 (17.41)	4430 (19.71)				●	●		●	●	●
5	–	–	5445 (24.22)	5830 (25.93)				●	●			●	●
6	–	–	4700 (20.91)	5315 (23.64)				●	●		●	●	●
6	–	–	6535 (29.07)	6995 (31.12)				●	●			●	●
7	–	–	–	6200 (27.58)				●	●		●	●	●
7	–	–	–	8160 (36.30)					●				●

Chart Values are for TSC3.00 or TSC4.00 trusses only, refer to General Note #2 for TSC2.75 trusses.

● = Denotes stub web member is available for loads shown.



General Notes:

1. Only valid for 90° connections.
2. Maximum supported truss load for 33W.75x1.5 and 33W.75x2.25 webs is 1960 lbs (8.72 kN) with (3) #14AMD fasteners required.
3. Attachment of the supported truss to stub web requires a separate connection detail. Connection must be to both faces, and first set of clips must be flush with top of the bottom chord.
4. The top and bottom chords of all trusses shall be properly connected to structural sheathing or purlins.
5. Refer to TrusSteel Standard Detail TS011 and TS011A for fastener placement.
6. Fully insert stub web inside of bottom chord.
7. When supported truss connector clips are stacked, the same number of clips are required on each side.
8. Bottom chord of girder to be checked in SteelVIEW with applicable point load at stub web location.
9. Chart values for use with 1, 2, and 3-ply girders. Insert stub web in all plies. Connection for supported truss to stub web must provide means to transfer appropriate load amount from front ply to additional plies.
10. 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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2-Sided Stub Web 90° Connection (Allowable Tie-In Loads)

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:
TS069

Date:
06/01/22

TrusSteel Detail Category:
Truss-To-Truss Connections