

$$R = R_1 + R_2$$

$$U = U_1 + U_2$$

Typical Supported Truss to Girder Connection

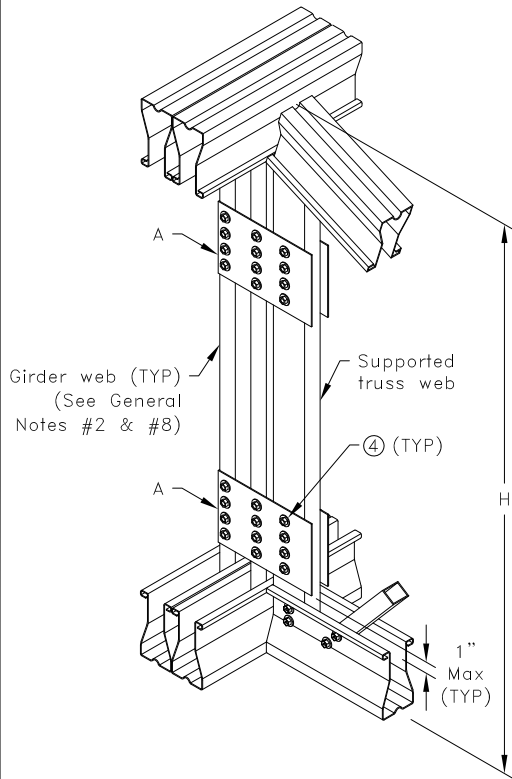
TTC Clip Sizes and Information

"A" Clips connect the supported truss to the girder truss
 "B" Clips are only required for 3-ply girders:
 • "B" Clips connect the plies of a 3-ply girder truss together
 • One "B" Clip is required for each "A" Clip used

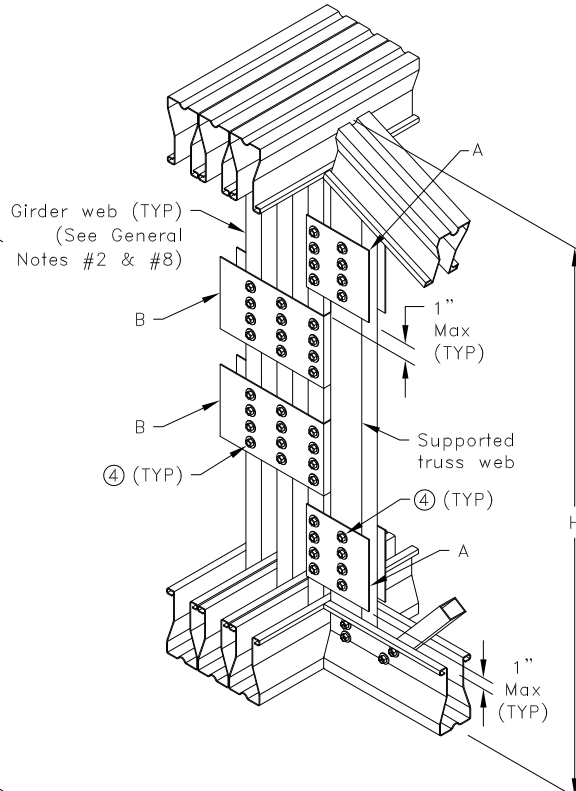
TSC2.75	TSC3.00 or TSC4.00
A = TTC5	A = TTC7
B = TTC5	B = TTC7

Allowable Values

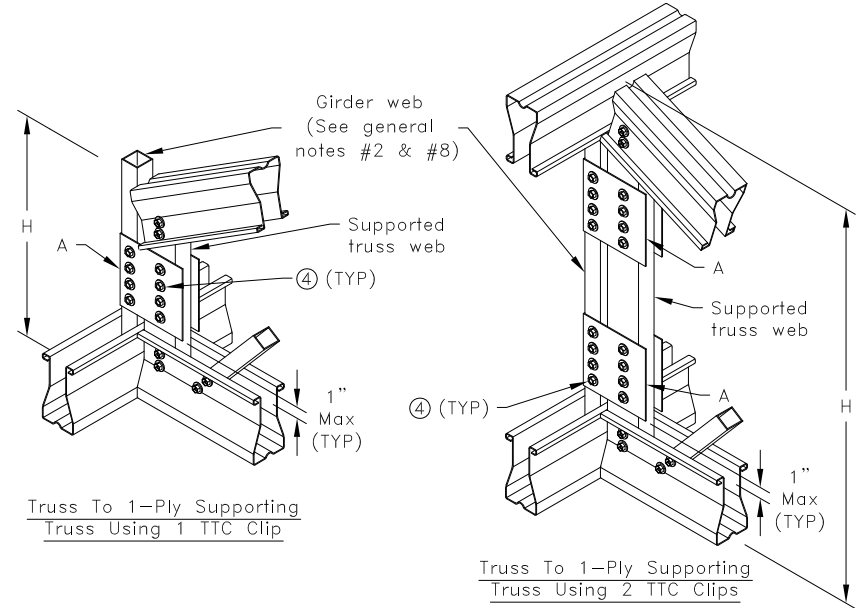
H_{min} in (mm)		H_{max} in (mm)	Number of "A" Clips	Supported Truss Web is Tube Web or Z-Web	Supported Truss Web is C-Web
TSC2.75	TSC3.00 TSC4.00			R = U lbs (kN)	R = U lbs (kN)
9-1/2 (241)	12 (305)	48 (1219)	1	1730 (7.70)	1420 (6.32)
19 (483)	24 (610)	no max limit	2	2470 (10.99)	2470 (10.99)



Truss To 2-Ply Supporting Truss Using TTC Clips
 (1 or 2 "A" clips may be used. See chart)



Truss To 3-Ply Supporting Truss Using TTC Clips
 (1 or 2 "A" Clips may be used. See chart)



Truss To 1-Ply Supporting Truss Using 1 TTC Clip

Truss To 1-Ply Supporting Truss Using 2 TTC Clips

General Notes:

1. The top and bottom chords of all trusses shall be properly connected to structural sheathing or purlins, designed by others.
2. If supported truss or girder web is a Z-web, refer to TS068 for connection areas.
3. Circled numbers represent the number of #10 self-drilling tapping screws required on each face.
4. Screw spacing, edge distance and end distance is 9/16" (14mm) minimum.
5. The supported truss must be designed utilizing a clip bearing type. For 2 clip connections, place clips within 1" of top and bottom chords as shown. For 1 clip connections, place clip within 1" of bottom chord or as analyzed.
6. R = Allowable Reaction and U = Allowable Uplift.
7. H = Heel height of supported truss.
8. This detail is to be used when girder web and supported web are the same width.
9. Cold-Formed Steel Calculations are per the 2010 supplement to the AISI 2007 "North American Specifications for the Design of Cold-Formed Steel Structural Members" (S100-07/S2-10).

TrusSteel[®]

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**Truss-To-Truss Connections
 Using TTC Clips**

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.

Standard Detail:

TS001

Date:

07/16/12

TrusSteel Detail Category:

Truss-To-Truss Connections