

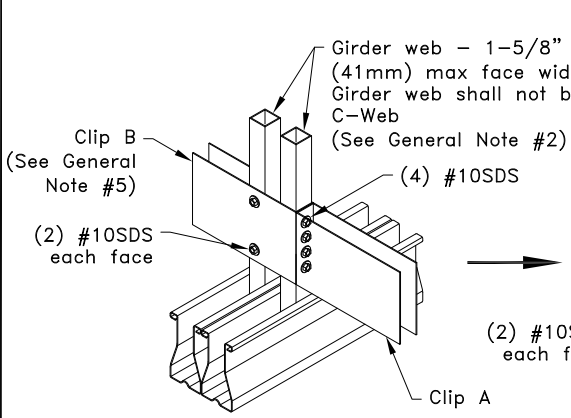
$$R = R_1 + R_2$$

$$U = U_1 + U_2$$

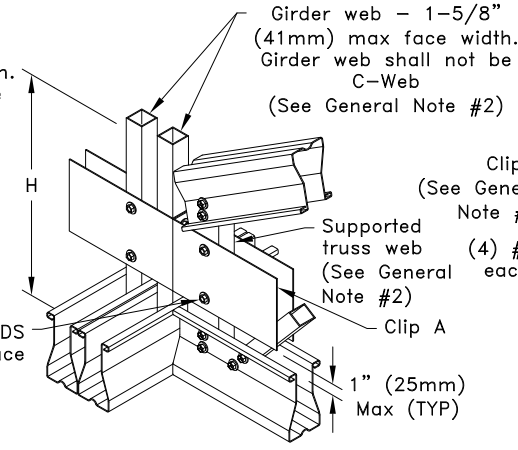
Typical Supported Truss to Girder Connection

Supported Truss Chord Size	H _{min} in (mm) ^A	H _{max} in (mm) ^A	Number of "A" Clips	Clip "A" Size		R = U lbs (kN) ^A
				Girder web is tube web	Girder web is Z-web	
TSC2.75	9-1/2 (241)	48 (1219)	1	TTC5	NA	860 (3.83)
TSC3.00 or TSC4.00	12 (305)	48 (1219)	1	TTC7	TTC7	860 (3.83)
TSC2.75	19 (483)	no max limit	2	TTC5	NA	1720 (7.65)
TSC3.00 or TSC4.00	24 (610)	no max limit	2	TTC7	TTC7	1720 (7.65)

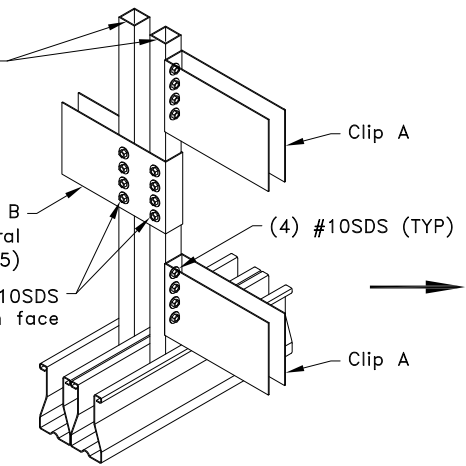
A. R = Allowable Reaction, U = Allowable Uplift and H = Heel height of supported truss.



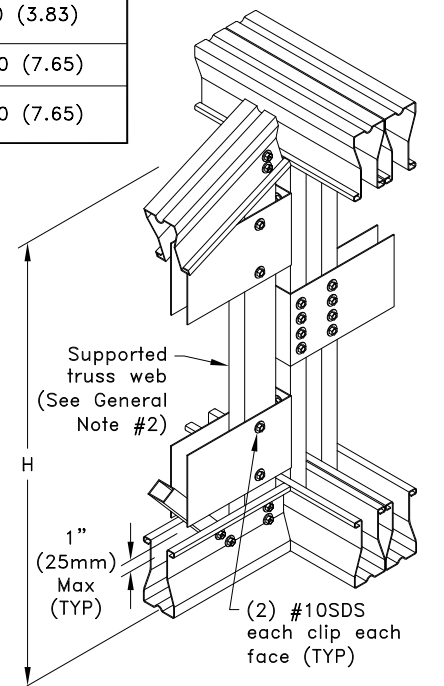
Initial Connection Of Clips To Girder Vertical Webs



Connection of Supported Truss to Girder

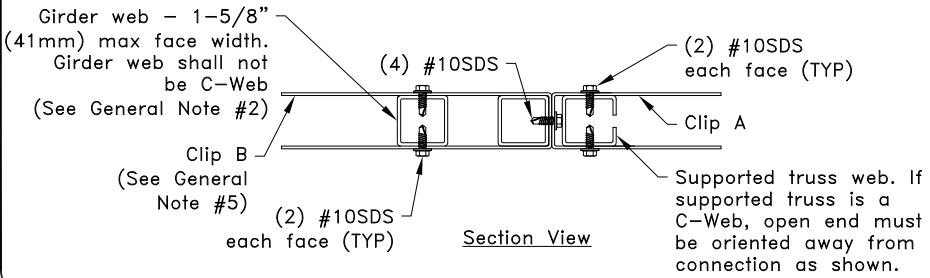


Initial Connection Of Clips To Girder Vertical Webs



Connection of Supported Truss to Girder

SINGLE CLIP TRUSS TO TRUSS CONNECTION



Section View

DOUBLE CLIP TRUSS TO TRUSS CONNECTION

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. SDS = Self-Drilling Tapping screw. Screw spacing, edge distance and end distance is 9/16" (14mm) minimum.
4. The supported truss must be designed utilizing a clip bearing type. For 2 clip connections, place within 1" (25mm) of top and bottom chords as shown. For 1 clip connections, place within 1" (25mm) of bottom chord, or as analyzed.
5. Clip "B" is TTC5 when girder web is W.75x.75 and TTC7 when girder web is W.75x1.5, W1.5x1.5 or Z1.5x1.62. (If girder web is Z1.5x1.62, bend TTC7 to fit.)
6. Cold-Formed Steel Calculations are per the AISI 2016 "North American Specifications for the Design of Cold-Formed Steel Structural Members" (S100-16).

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Face Mounted Truss To Truss Connection
Using TTC Clips (2 Ply Girder)

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:
TS001E
Date:
10/11/18

TrusSteel Detail Category:
Truss-To-Truss Connections