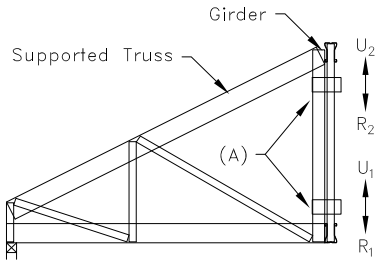


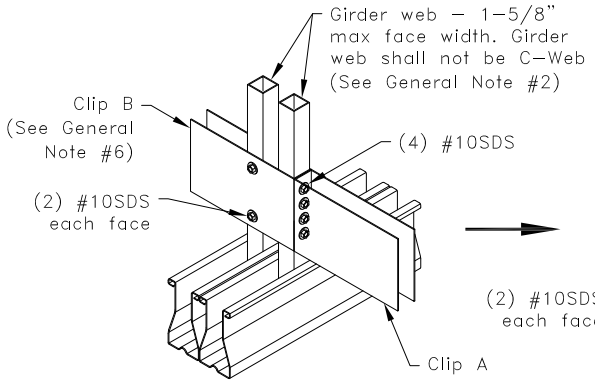
$R = R_1 + R_2$
$U = U_1 + U_2$

Typical Supported Truss to Girder Connection

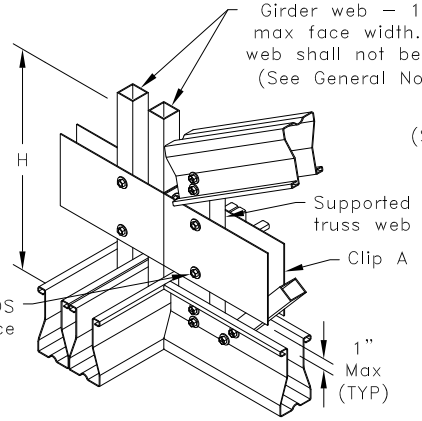
Allowable Values

Supported Truss Chord Size	H_{min} in (mm)	H_{max} in (mm)	Number of "A" Clips	Clip "A" Size		R = U lbs. (kN)	
				Girder web is tube web or C–web	Girder web is Z–web	Supported web is C–web[A]	Both webs are tube or Z–webs[B]
TSC2.75	9–1/2 (241)	48 (1219)	1	TTC5	TTC7	710 (3.16)	860 (3.83)
TSC3.00 or TSC4.00	12 (305)	48 (1219)	1	TTC7	TTC7	710 (3.16)	860 (3.83)
TSC2.75	19 (483)	no max limit	2	TTC5	TTC7	1420 (6.32)	1720 (7.65)
TSC3.00 or TSC4.00	24 (610)	no max limit	2	TTC7	TTC7	1420 (6.32)	1720 (7.65)

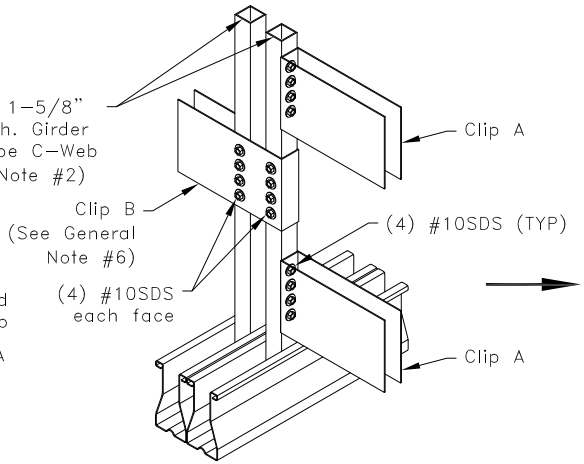
A. Use loads shown if supported web is a C–web.
B. Use loads shown if both the girder or supported web is a tube or Z–web.



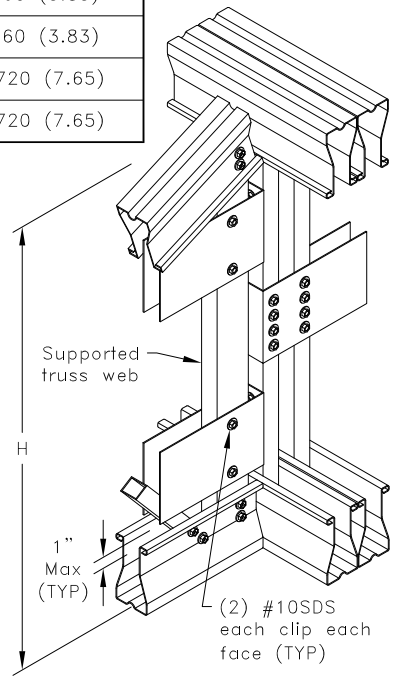
Initial Connection Of Clips To Girder Vertical Webs



Connection of Supported Truss to Girder

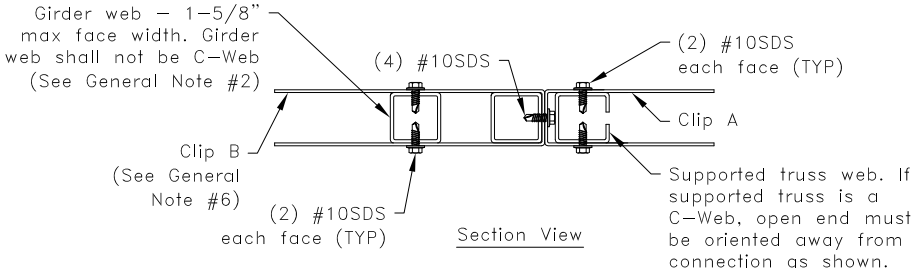


Initial Connection Of Clips To Girder Vertical Webs



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
4. Screw spacing, edge distance and end distance is 9/16" (14.3mm) minimum.
5. The supported truss must be designed utilizing a clip bearing type. For 2 clip connections, place within 1" of top and bottom chords as shown. For 1 clip connections, place within 1" of bottom chord, or as analyzed.
6. 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.)
7. R = Allowable Reaction and U = Allowable Uplift.
8. H = Heel height of supported truss.
9. Cold–Formed Steel Calculations are per the 2010 supplement to the AISI 2007 "North Americ Specifications for the Design of Cold–Formed Steel Structural Members" (S100–07/S2–10).

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Face Mounted Truss To Truss Connection

Using TTC Clips (2 Ply Girder)

Standard Detail: TS001E

Date: 07/16/12

TrusSteel Detail Category: Truss-To-Truss Connections