Heavy Duty TSC3.00 or TSC4.00
Truss-To-Truss Connection
Up To 3-Ply Girder - Z-Webs

Allowable Reaction and Uplift lbs (kN)

| X | H = 24 in. (610mm)
    | minimum |
|---|------------------|
| 5 | 3000 (13.34)    |
| 6 | 4000 (17.79)    |
| 7 | 4700 (20.91)    |

A. The quantity "X" refers to the number of 
#10 SDS (Self-Drilling Tap Screws) that 
are required on each side of each clip into 
the web member.
B. R = Allowable Reaction, U = Allowable Uplift

General Notes:

1. The top and bottom chords of all trusses shall be 
   properly connected to structural sheathing or purlins, 
designed by others.
2. Screw spacing, edge distance and end distance is 9/16” 
   (14mm) minimum.
3. The supported truss must be designed utilizing a clip 
bearing type.
4. Refer to TS068 for connection areas.
5. Cold-Formed Steel Calculations are per the AISI 2016 
   “North American Specifications for the Design of 
   Cold-Formed Steel Structural Members” (S100-16).

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.