

Connection Detail A

Maximum Limits:

Pitch Range: 5/12 to 8/12
 Windspeed: ASCE 7-05 - 120 MPH (54 m/s)
 ASCE 7-10 - 150 MPH (67 m/s)
 Total TCL: 60 psf (2.87 kN/m²)

OR

Connection Detail B

Maximum Limits:

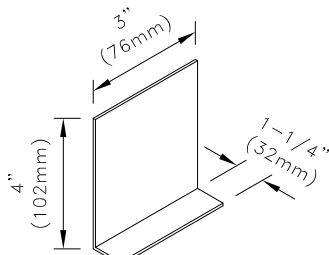
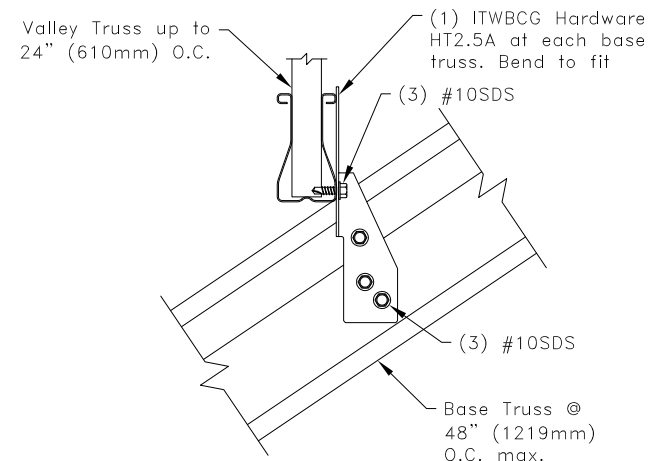
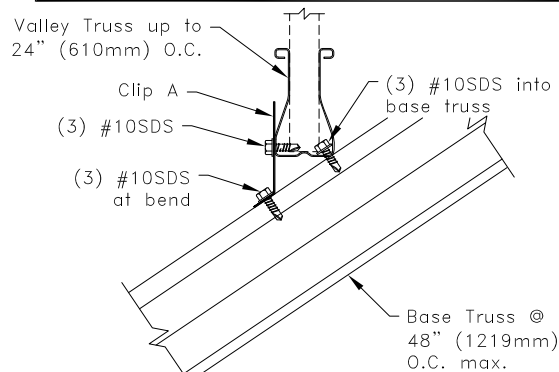
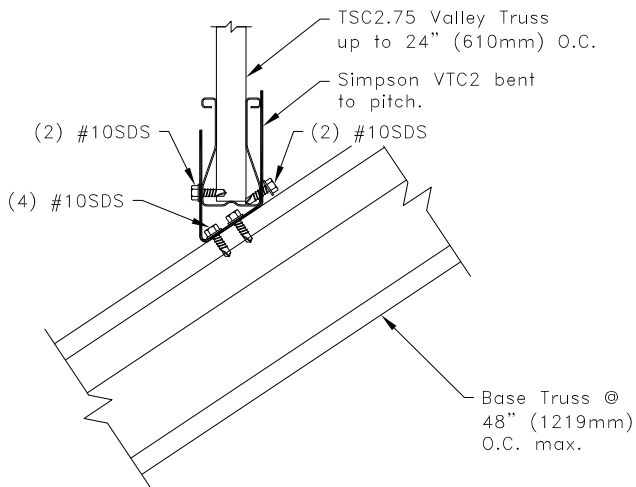
Pitch Range: 12/12 maximum
 Windspeed: ASCE 7-05 - 150 MPH (67 m/s)
 ASCE 7-10 - 190 MPH (85 m/s)
 Total TCL: 60 psf (2.87 kN/m²)

OR

Connection Detail C

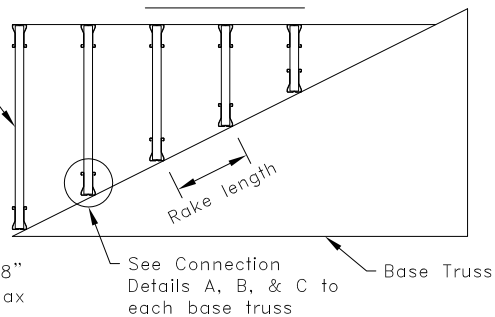
Maximum Limits:

Pitch Range: 12/12 maximum
 Windspeed: ASCE 7-05 - 150 MPH (67 m/s)
 ASCE 7-10 - 190 MPH (85 m/s)
 Total TCL: 60 psf (2.87 kN/m²)

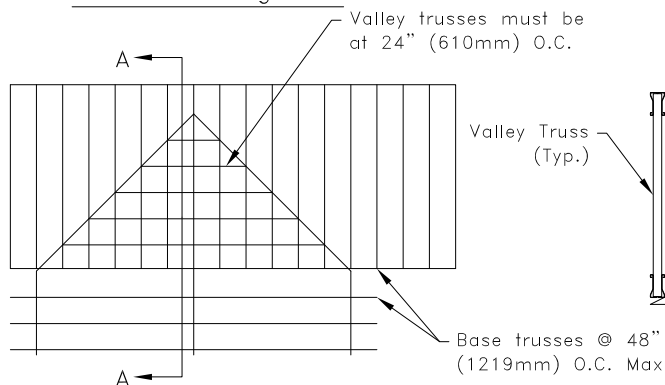


18ga ASTM A653 SS Grade 33 G60 Bare Metal Thickness = 0.0428" (1.087mm)
 Bend clip to roof pitch.

Section A-A



Partial Framing Plan



General Notes:

1. SDS = Self-Drilling Tapping screw; TCL = Top Chord Load
2. Screw spacing, edge distance and end distance is 9/16" (14mm) minimum.
3. Refer to approved bracing design for required bracing material and connections.
4. Properly attached valley trusses may be used in lieu of purlins if the top chord of the supporting truss has been designed with purlins at O.C. spacing equal to the rake length between valley trusses as shown in the Section A-A.
5. Refer to approved truss drawings for valley truss designs. Valley truss bottom chord panels not to exceed 4'0" (1219mm).
6. Wind calculations are per ASCE 7-05 or ASCE 7-10 assuming the following:
 - CAT III & IV
 - EXP C
 - 30 ft (9144mm) mean roof height
 - Closed building
 - 5 psf (0.24 kN/m²) wind dead load
 - No speed up increase factor taken for topographic effects; $K_{zt} = 1.0$
7. 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).

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TrusSteel Valley Truss Connection to Base Truss

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:

TS026

Date:

07/16/12

TrusSteel Detail Category:

Valley Set

Florida: 1950 Marley Drive / Haines City, FL 33844 / (800) 755-6001
 Missouri: 13389 Lakefront Drive / Earth City, MO 63045 / (800) 326-4102