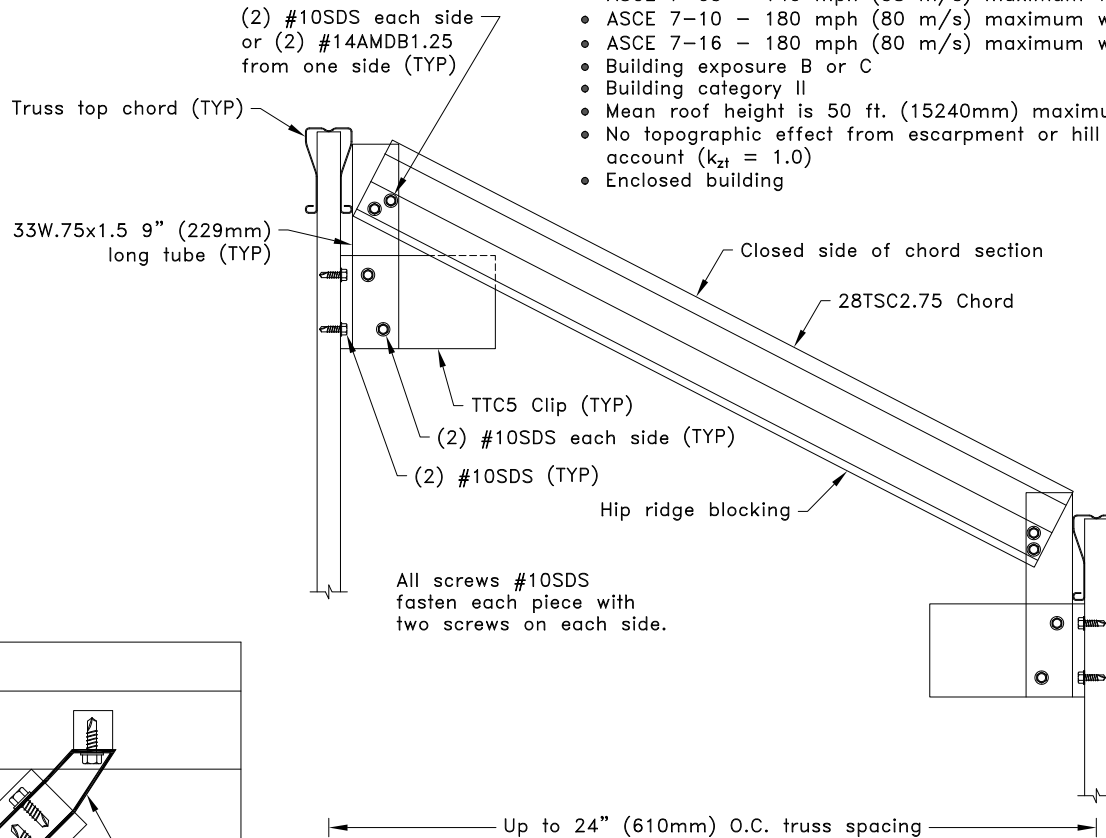


Top chord live load – 40 PSF (1.92 kN/m²) maximum
 Top chord dead load – 15 PSF (0.72 kN/m²) maximum

Wind loading:

- ASCE 7-05 – 140 mph (58 m/s) maximum wind speed
- ASCE 7-10 – 180 mph (80 m/s) maximum wind speed
- ASCE 7-16 – 180 mph (80 m/s) maximum wind speed
- Building exposure B or C
- Building category II
- Mean roof height is 50 ft. (15240mm) maximum
- No topographic effect from escarpment or hill taken into account ($k_{zt} = 1.0$)
- Enclosed building



(2) #10SDS each side
 or (2) #14AMDB1.25
 from one side (TYP)

Truss top chord (TYP)

33W.75x1.5 9" (229mm)
 long tube (TYP)

Closed side of chord section

28TSC2.75 Chord

TTC5 Clip (TYP)

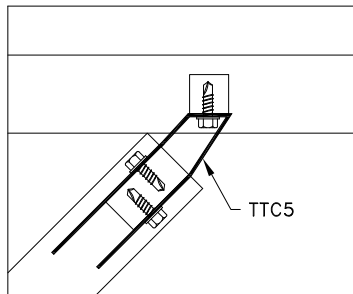
(2) #10SDS each side (TYP)

(2) #10SDS (TYP)

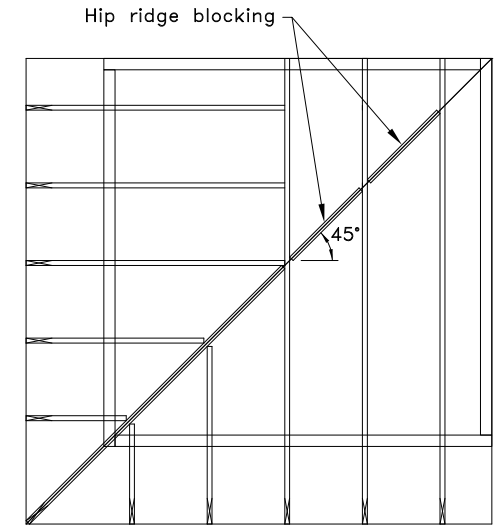
Hip ridge blocking

All screws #10SDS
 fasten each piece with
 two screws on each side.

Up to 24" (610mm) O.C. truss spacing



Plan View of Connection



Partial Roof Layout

General Notes:

1. SDS = self-drilling tapping screw. Screw spacing, edge distance and end distance is 9/16" (14mm) minimum for #10SDS and 3/4" (19mm) minimum for #14AMDB1.25 fasteners.
2. The supported truss must be designed utilizing a clip bearing type.
3. Hip ridge blocking designed to support vertical load only (from gravity load and wind load). If blocking needs to support any other type of load, contact a TrusSteel engineer.
4. This detail may be used for roof pitches from 1.5/12 (7.13°) to 12/12 (45°).
5. Cold-Formed Steel calculations are per the 2020 supplement to AISI 2016 "North American Specification for the Design of Cold-Formed Steel Structural Members" (S100-16/S2-20).



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Hip Ridge Blocking Framing Detail For 24" (610mm) O.C. Trusses

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:

TS056

Date:

06/01/22

TrusSteel Detail Category:

Hip Framing