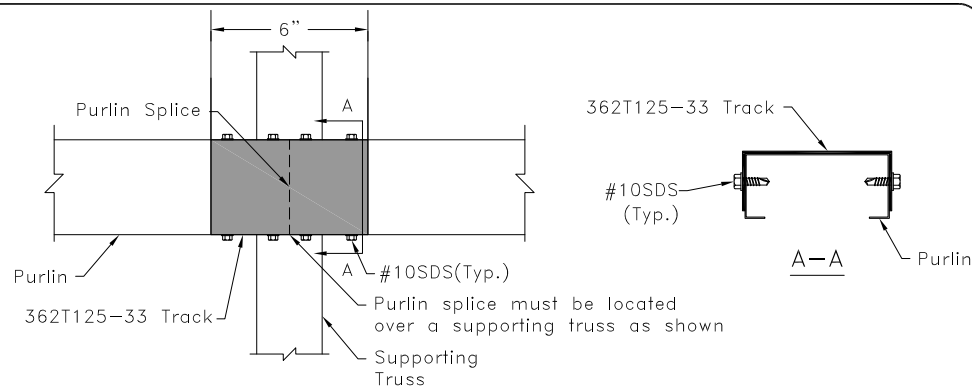


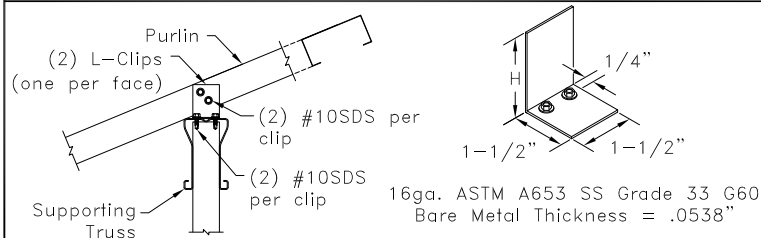
Partial Layout

Roof trusses spaced at 2'-0" O.C.

Use APA rated exterior 15/32" 32/16 5-ply plywood or OSB (or better) sheathing for slopes up to 12/12



Generic Purlin Splice Detail



L-Clip Option

L-Clips as specified above may be used in lieu of ITWBCG HT2.5A clips for wind speeds up to 90 mph for ASCE 7-05 and 115 mph for ASCE 7-10.

Pitch	H (in.)
4/12	1 5/8
5/12	1 3/4
6/12	1 3/4
7/12	1 3/4
8/12	2
9/12	2
10/12	2
11/12	2 1/4
12/12	2 1/4

General Notes:

1. SDS = Self-Drilling Tapping Screws. Screw spacing, edge distance & end distance is 9/16" min.
2. Top chord live load is 50psf max, top chord dead load is 10psf max.
3. ITWBCG HT2.5A uplift connection based on ASCE 7-05, 110 mph or ASCE 7-10, 140 mph wind speed, 30' mean height, closed building, CAT III & IV, EXP C, $K_{zt} = 1.0$, 5psf top chord dead load.
4. L-Clip uplift connection based on ASCE 7-05, 90 mph or ASCE 7-10, 115 mph wind speed, 30' mean height, closed building, CAT III & IV, EXP C, $K_{zt} = 1.0$, 5psf top chord dead load.
5. Plywood has been designed for upward and downward loads given, and L/180 deflection. At ridge line, seam in deck must transfer diaphragm shear. This connection (such as bent metal) and connection of plywood to purlins to be designed by others.
6. In details A, B, C & D clip may be bent to roof profile, if needed.
7. Flat top chords of supporting trusses shall be designed for the same purlin spacing as the purlin frame.
8. Purlins must bear on supporting trusses at both ends. Edge of purlin is positioned at ridge line as shown in partial layout.
9. All studs/tracks are to comply with SSMA specifications.
10. 1" = 25.4mm, 1mph = 0.447m/s, 1psf = 0.04788kN/m²
11. 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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C-Stud Purlin Frame with Plywood Sheathing - No Ridge Purlin (Trusses Spaced 2'-0" O.C.)

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:

TS067

Date:

07/16/12

TrusSteel Detail Category:

Hip Framing

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