

# Piggyback Detail - ASCE 7-16: 115 mph, 30' Mean Height, Enclosed, Exposure C, Kzt=1.00

Up to 115 mph wind, 30.00 ft Mean Hgt, ASCE 7-10  
 Enclosed Bldg., located anywhere in roof,  
 Exp C, Wind DL= 5.0 psf (min), Kzt=1.0.

Maximum truss spacing is 24' o.c.  
 Detail is not applicable if cap supports additional loads such as  
 cupola, steeple, chimney or drag strut loads.

Note: Top Chords of trusses supporting piggyback cap trusses must be adequately braced by sheathing or purlins. The building Engineer of Record shall provide diagonal bracing or any other suitable anchorage to permanently restrain purlins, and lateral bracing for out of plane loads over gable ends.

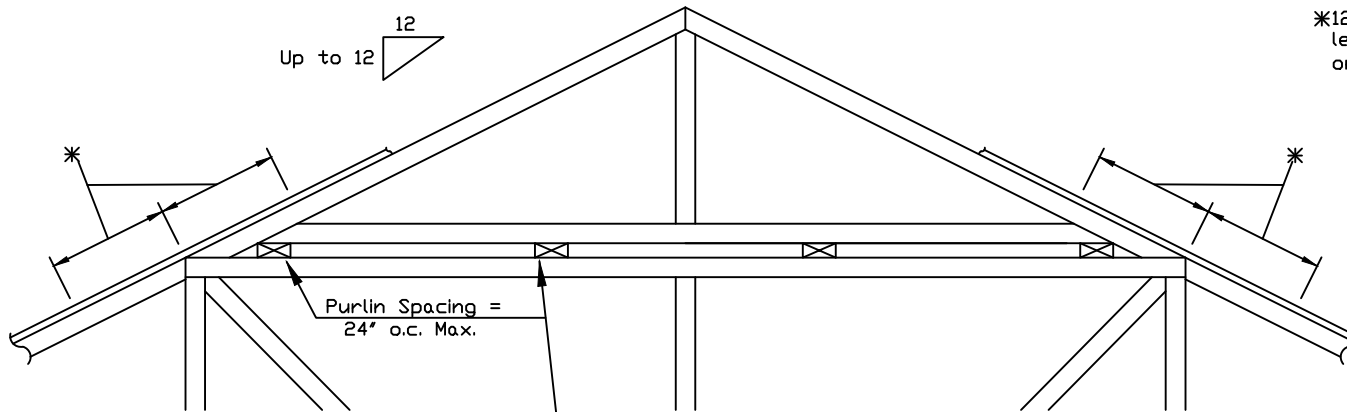
\*\* Refer to Engineer's sealed truss design drawing for piggyback and base truss specifications.

Piggyback cap truss slant nailed to all top chord purlin bracing with (2) 16d box nails (0.135"x3.5").

Attach purlin bracing to the flat top chord using (2) 16d box nails (0.135"x3.5").

Uplift connections based on MWFRS.

\*12" min rigid sheathing overlap (24' continuous length, no joints) with 8d common (0.131"x2.5") or gun nails in overlap zone spaced at 4' o.c.



Flat top chord purlins required at both ends and at 24' max o.c. spacing in between.

**WARNING: READ AND FOLLOW ALL NOTES ON THIS DRAWING!  
 IMPORTANT: FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.**

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions.

Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses.

A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

For more information see this Job's general notes page and these web sites:  
 ALPINE: [www.alpineitw.com](http://www.alpineitw.com); TPI: [www.tpinst.org](http://www.tpinst.org); SBCA: [www.sbcacomponents.com](http://www.sbcacomponents.com); ICC: [www.iccsafe.org](http://www.iccsafe.org)



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REF	PIGGYBACK
DATE	01/02/2018
DRWG	PB115160118

SPACING	24.0"
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