

# Valley Stub Repair Detail

ASCE 7-10 & ASCE 7-16, 180 mph. 30' Mean Height,  
Part. Enc. Building, Exp. C, Wind TC DL=5 psf, Kzt = 1.00

-Or-

ASCE 7-10 & ASCE 7-16, 160 mph. 30' Mean Height,  
Part. Enc. Building, Exp. D, Wind TC DL=5 psf, Kzt = 1.00

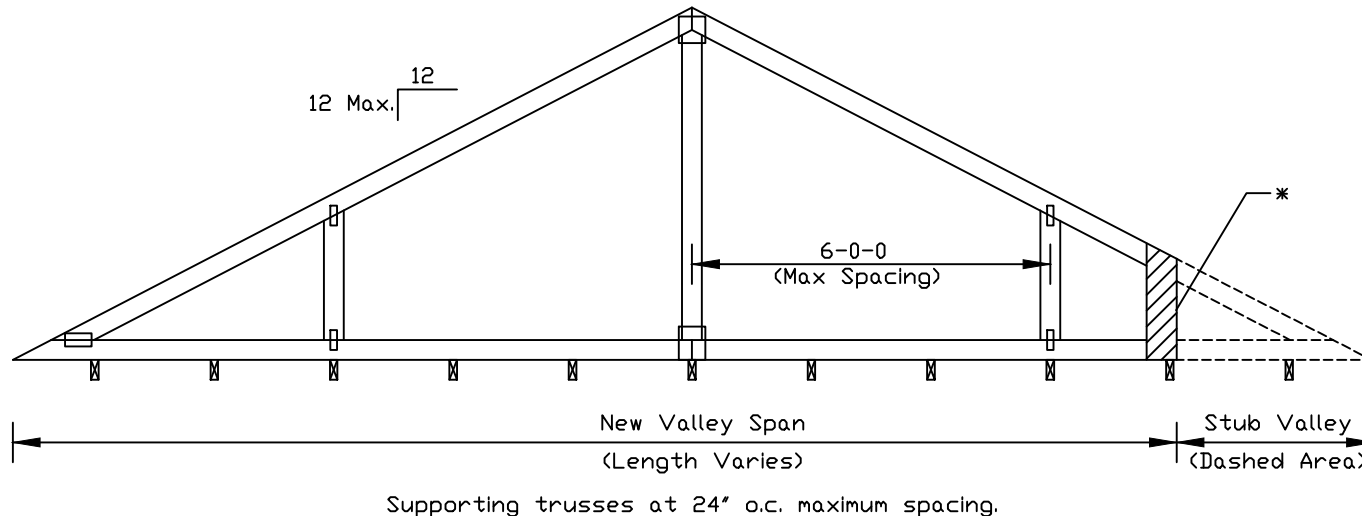
Snow Load Factors: Ce = 1.00, Ct = 1.1, I = 1.0.

Note: See standard valley details or engineer's sealed design for lumber, plates, and other data not shown here.

\* 2x6 SP #3, SPF #1/#2, DF-L #2 or better scab. Attach to one face with (6) 10d box (0.128" x 3.0") into the top and bottom chords. Maximum Scab length is 7'-9".

This detail may also be used to repair any damaged or broken valley verticals with a length of 7'-9" or less. Attach scab as specified above at the location of the damaged vertical.

Vertical scab may not be exposed to wind.



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**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 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.tpinstrg.org](http://www.tpinstrg.org) SBCA: [www.sbcindustry.org](http://www.sbcindustry.org) ICC: [www.iccsafe.org](http://www.iccsafe.org)

TC LL	30	30	40PSF	REF	VALLEY STUB
TC DL	20	15	7PSF	DATE	01/02/2018
BC DL	10	10	10 PSF	DRWG	REPVALST0118
BC LL	0	0	0PSF		
TOT. LD.	60	55	57PSF		
DUR.FAC.1.25/1.33	1.15	1.15			
SPACING	24.0"				