

Purlins required 2'-0" O.C. in absence of plywood sheathing. Trusses without sheathing applied must be evaluated accordingly. Purlins should overlap sheathing one truss spacing minimum. In cases that this is impractical, overlap sheathing a minimum of 6". and nail upwards through sheathing into purlin with a minimum of 8-8d (0.131"x2.5") common nails. Effects of not providing sheathing below a valley set must be evaluated by the building designer.

This drawing applies to valleys with the following conditions:

-Spans (distance between heels) 40'-0" or less

-Maximum valley height: 14'-0"

-Maximum mean roof height: 30 feet

-ASCE 7-05, 120 mph, Enclosed, Cat II, Exp B, I=1.0, Kzt=1.0

-Or ASCE 7-10 & ASCE 7-16, 150 mph, Enclosed, Exp B, Kzt=1.0

-Or ASCE 7-10 & ASCE 7-16, 125 mph, Enclosed, Exp C, Kzt=1.0

-Or ASCE 7-10 & ASCE 7-16, 100 mph, Part. Enc., Exp C, Kzt=1.0

-Or ASCE 7-10 ASCE 7-16, 110 mph, Enclosed, Exp D, Kzt=1.0

## CRIPPLE, BRACING, & BLOCKING NOTES

-2x4 continuous lateral restraint (CLR) min. is required for cripples 5'-0" to 10'-0" long nailed w/ 2 -10d (0.148"x3") common nails. Or 2x4 "T" or scab reinforcement nailed to flat edge of cripple with 10d (0.128"x3.0") box nails at 6" o.c. "T" or scab must be 90% of cripple length. Cripples over 10'-0" long requre two CLR's or both faces w/ "T" or scab. Use stress graded lumber & box or common nails.

-Narrow edge of cripple can face ridge or rafter,

as long as the proper number of nails are

installed into ridge board

Install blocking under rafter if sleepers are not used.

-Install blocking under cripples if cripples fall between

lower truss top chords and lateral bracing is not used.

-Apply all nailing in accordance to current NDS requirements.

3 16d toe-nails 3 16d face nails 3 16d face nails (\*\*)6 16d face-nails

3 16d face nails each truss

3 16d toe-nails 3 16d toe-nails

3 16d end nails 3 16d face nails 3 16d face nails 3 16d face nails 3 16d face nails

Note: 16d (0.162"x3.5") Common Nails

## \*\*\*VARNING\*\*\* 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 (Bullaing 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 botton chord shall have a properly attached rigid celling. Locations shown for permanent larent restraint of webs shall have bracing installed per BCSI sections B3, B7 or BIO, 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 IGOA-Z for standard plate positions.

Alpine, a division of ITV Building Conponents Group Inc. shall not be responsible for any deviation from this drawing, any fallure 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; TPI: www.tpinst.org; SBCA: www.sbcacomponents.com; ICC: www.iccsafe.org

		(A)	(B)		(**)		
ТС	LL	20	30	40	54	REF	VALLEY FRAMING
ТС	$\operatorname{DL}$	10	20	7	7	DATE	01/30/2018
ВС	DL	0	0	0	0	DRWG	VALCONVF0118
ВС	LL	0	0	0	0		
ТОТ	Г. L	D.30	50	47	61		
DUR. FAC. 1.25/1.15					.15		
SPACING SEE ABOVE					VE		

155 Harlem Ave North Building, 4th Floor Glenview, IL 60025