



Loading Criteria (psf) Wind Criteria		Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria			
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: 25.0 Ct: 1.1 CAT: II	PP Deflection in loc L/defl L/#	ı	
TCDL: 10.00	Speed: 120 mph	Pf: 19.2 Ce: 1.0	VERT(LL): 0.488 G 681 240	4	
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(CL): 1.007 G 330 240	4	
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.390 J	ı	
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.805 J	ı	
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	ı	
Soffit: 2.00	TCDL: 5.0 psf BCDL: 5.0 psf	IRC 2015	Max TC CSI: 0.461	ı	
Load Duration: 1.15	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.739	ı	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.723	ı	
	Loc. from endwall: Anv	FT/RT/PT:20(0)/5(0)/2(0)	Mfg Specified Camber:	ı	
	GCpi: 0.18	Plate Type(s):		╛	
	Wind Duration: 1.60	18SS, WAVE	VIEW Ver: 21.02.01.1216.15		
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Lumber

Top chord: 2x4 SP SS Dense; Bot chord: 2x4 SP SS Dense; B2 2x4 SP #2; Webs: 2x4 SP #2;

Bottom chord checked for 10.00 psf non-concurrent bottom chord live load applied per IRC-15 section

Truss designed for unbalanced snow loads.

Wind

Wind loads based on MWFRS with additional C&C member design & reactions.

Wind loading based on both gable and hip roof types.

Additional Notes

Top Chord overhang(s) may be field trimmed.

▲ Maximum Reactions (lbs)

Giavity			INUIT-Gravity			
Lo	c R+	/ R-	/ Rh	/ Rw	/ U	/RL
				/709	/390	/175
J	1232	/-	/-	/709	/390	/-
P 1232 /- /- /709 /390 /175 J 1232 /- /- /709 /390 /- Wind reactions based on C&C						

Bearings P & J are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

A - B	30 0	F-G	1344	- 4684
B-C	1431 - 5100	G-H	1222	- 4621
C-D	1230 - 4673	H - I	1207	- 4673
D-E	1245 - 4621	I - J	1418	- 5100
E-F	1384 - 4684	J-K	30	0

Maximum Bot Chord Forces Per Ply (lbs)

Chords Tens.Comp. Chord			Tens. Comp.		
	4712 - 1264	M - L	4766 - 1238		
B - O O - N N - M	4766 - 1280	L-J	4712 - 1222		
N-M	2098 - 374				

Maximum Web Forces Per Ply (lbs)

webs	rens.comp.		webs	rens. Comp.	
0-C	82	- 66	F-M	2945	- 770
C - N	283	- 364	G - M	244	- 416
N - E	244	- 416	M - I	275	- 364
N - F	2945	- 800	I-L	83	- 66

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 and 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 these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org