Job	Truss	Truss Type	Qty	Ply	
B0903115	AT22	ATTIC	10	1	Job Reference (optional)

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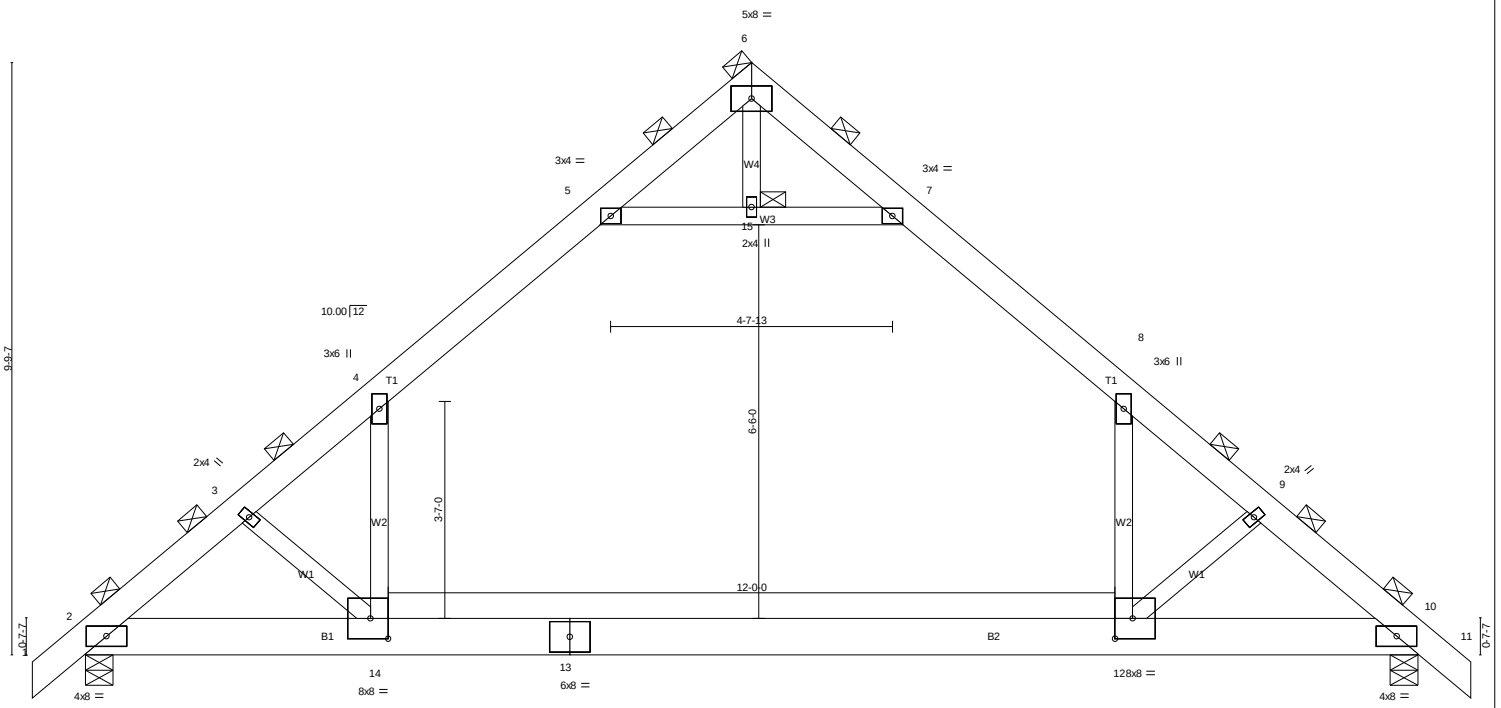
-0-10-8 | 2-8-7 | 4-10-4 | 8-8-2 | 11-0-0 | 13-3-14 | 17-1-12 | 19-3-9 | 22-0-0 | 22-10-8
0-10-8 | 2-8-7 | 2-1-13 | 3-9-14 | 2-3-14 | 2-3-14 | 3-9-14 | 2-1-13 | 2-8-7 | 0-10-8

Scale = 1:38.0



2-8-7 | 4-10-4 | 17-1-12 | 19-3-9 | 22-0-0
0-10-8 | 22-0-0 | 0-10-8

Plate Offsets (X,Y): [12:0-3-8,0-4-0], [14:0-3-8,0-4-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plates Increase	1.15	TC	0.77	Vert(LL)	-0.54	12-14	>481	240	MT20	197/144
TCDL	7.0	Lumber Increase	1.15	BC	0.79	Vert(TL)	-0.77	12-14	>336	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.32	Horz(TL)	0.03	10	n/a	n/a		
BCDL	10.0	Code IBC2006/TPI2002		(Matrix)		Attic room	-0.31	12-14	474	360	Weight: 164 lb	

LUMBER
TOP CHORD 2 X 6 SYP 2400F 1.8E
BOT CHORD 2 X 8 SYP No.2
WEBS 2 X 4 SPF No.2

BRACING
TOP CHORD 2-0-0 oc purlins (4-5-15 max.), except sheathed or 5-10-1 oc purlins: 4-5, 7-8.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 6, 15

REACTIONS (lb/size) 2=1394/0-1-15 (input: 0-5-8), 10=1394/0-1-15 (input: 0-5-8)
Max Horz 2=-156(LC 8)
Max Uplift 2=-21(LC 10), 10=-21(LC 10)
Max Grav 2=1647(LC 2), 10=1647(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2447/0, 3-4=-2251/0, 4-5=-1356/68, 5-6=0/456, 6-7=0/456, 7-8=-1356/68, 8-9=-2251/0, 9-10=-2447/0
BOT CHORD 2-14=0/1782, 13-14=0/1335, 12-13=0/1335, 10-12=0/1782
WEBS 5-15=-1901/76, 7-15=-1901/76, 4-14=0/1247, 8-12=0/1247, 3-14=-634/53, 9-12=-634/53

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 90mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-05; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Ps=19.3 psf (roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.1
4) Roof design snow load has been reduced to account for slope.
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 20.8 psf on overhangs non-concurrent with other live loads.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) Ceiling dead load (5.0 psf) on member(s). 4-5, 7-8, 5-15, 7-15
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 12-14
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 21 lb uplift at joint 2 and 21 lb uplift at joint 10.
11) This truss is designed in accordance with the 2006 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
12) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
13) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard