

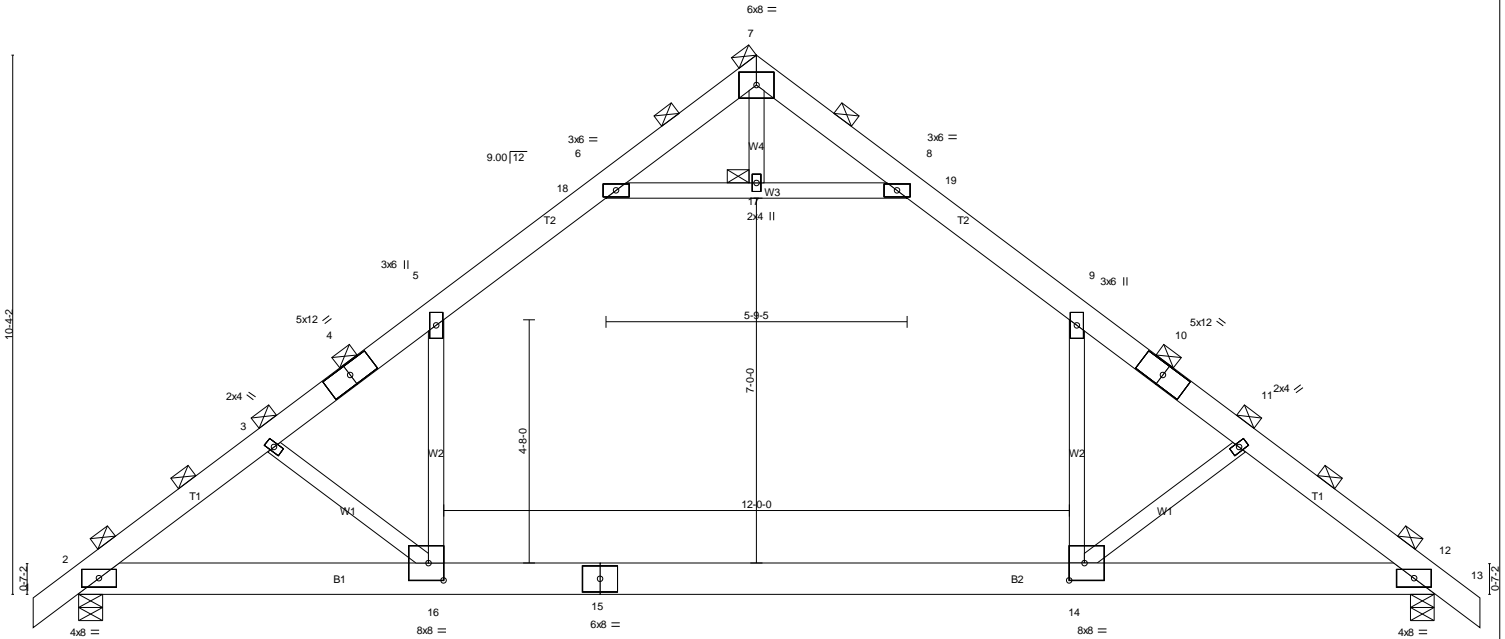
Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
B0903115	AT26	ATTIC	10	1	

APM Building Materials, Arendtsville, PA, Kurt Vines

7:100 s Sep 25 2008 MiTek Industries, Inc. Fri Mar 20 13:48:17 2009 Page 1

-0-10-8	3-8-15	6-10-4	10-3-11	13-0-0	15-8-5	19-1-12	22-3-1	26-0-0	26-10-8
0-10-8	3-8-15	3-1-5	3-5-7	2-8-5	2-8-5	3-5-7	3-1-5	3-8-15	0-10-8

Scale = 1:44.2



0-10-8	3-8-15	6-10-4	19-1-12	26-0-0	22-3-1	26-0-0	0-10-8
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Plate Offsets (X,Y): [14:0-3-8,0-4-0], [16:0-3-8,0-4-0]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 30.0	2-0-0	TC 0.82	in (loc) l/defl L/d	MT20	197/144
TCDD 7.0	Plates Increase 1.15	BC 0.88	Vert(LL) -0.59 14-16 >519 240		
BCLL 0.0	Lumber Increase 1.15	WB 0.32	Vert(TL) -0.85 14-16 >362 180		
BCDL 10.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.04 12 n/a n/a		
	Code IBC2006/TPI2002		Attic room -0.32 14-16 460 360		Weight: 182 lb

LUMBER	BRACING
TOP CHORD 2 X 6 SYP 2400F 1.8E *Except* T1: 2 X 6 SPF No.2	TOP CHORD 2-0-0 oc purlins (2-9-12 max.), except sheathed or 5-4-14 oc purlins: 5-6, 8-9.
BOT CHORD 2 X 8 SYP No.2	BOT CHORD Rigid ceiling directly applied or 9-1-14 oc bracing.
WEBS 2 X 4 SPF No.2	JOINTS 1 Brace at Jt(s): 7, 17

REACTIONS (lb/size) 2=1580/0-2-3 (input: 0-5-8), 12=1580/0-2-3 (input: 0-5-8)
 Max Horz2=161(LC 8)
 Max Uplift2=26(LC 10), 12=26(LC 10)
 Max Grav2=1835(LC 2), 12=1835(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-2809/0, 3-4=-2513/0, 4-5=-2381/0, 5-18=-1669/50, 6-18=-1528/75, 6-7=0/488, 7-8=0/488,
 8-19=-1528/75, 9-19=-1669/50, 9-10=-2381/0, 10-11=-2513/0, 11-12=-2809/0
 BOT CHORD 2-16=0/2162, 15-16=0/1699, 14-15=0/1699, 12-14=0/2162
 WEBS 6-17=-2288/77, 8-17=-2288/77, 5-16=0/1162, 9-14=0/1162, 3-16=-640/77, 11-14=-640/77

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 90mph; TCDD=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=26ft; 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
 - 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=20.8 psf (roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.1
 - Roof design snow load has been reduced to account for slope.
 - Unbalanced snow loads have been considered for this design.
 - 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.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - Ceiling dead load (5.0 psf) on member(s). 5-6, 8-9, 6-17, 8-17
 - Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 14-16
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 26 lb uplift at joint 2 and 26 lb uplift at joint 12.
 - This truss is designed in accordance with the 2006 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
 - Attic room checked for L/360 deflection.

LOAD CASE(S) Standard