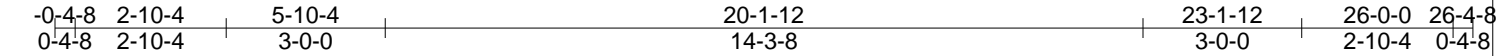


Job B0903115	Truss GAM26	Truss Type GAMBREL ATTIC	Qty 10	Ply 1	Job Reference (optional) 7.100 s Sep 25 2008 MiTek Industries, Inc. Fri Mar 20 13:48:30 2009 Page 1
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Scale = 1:43.5

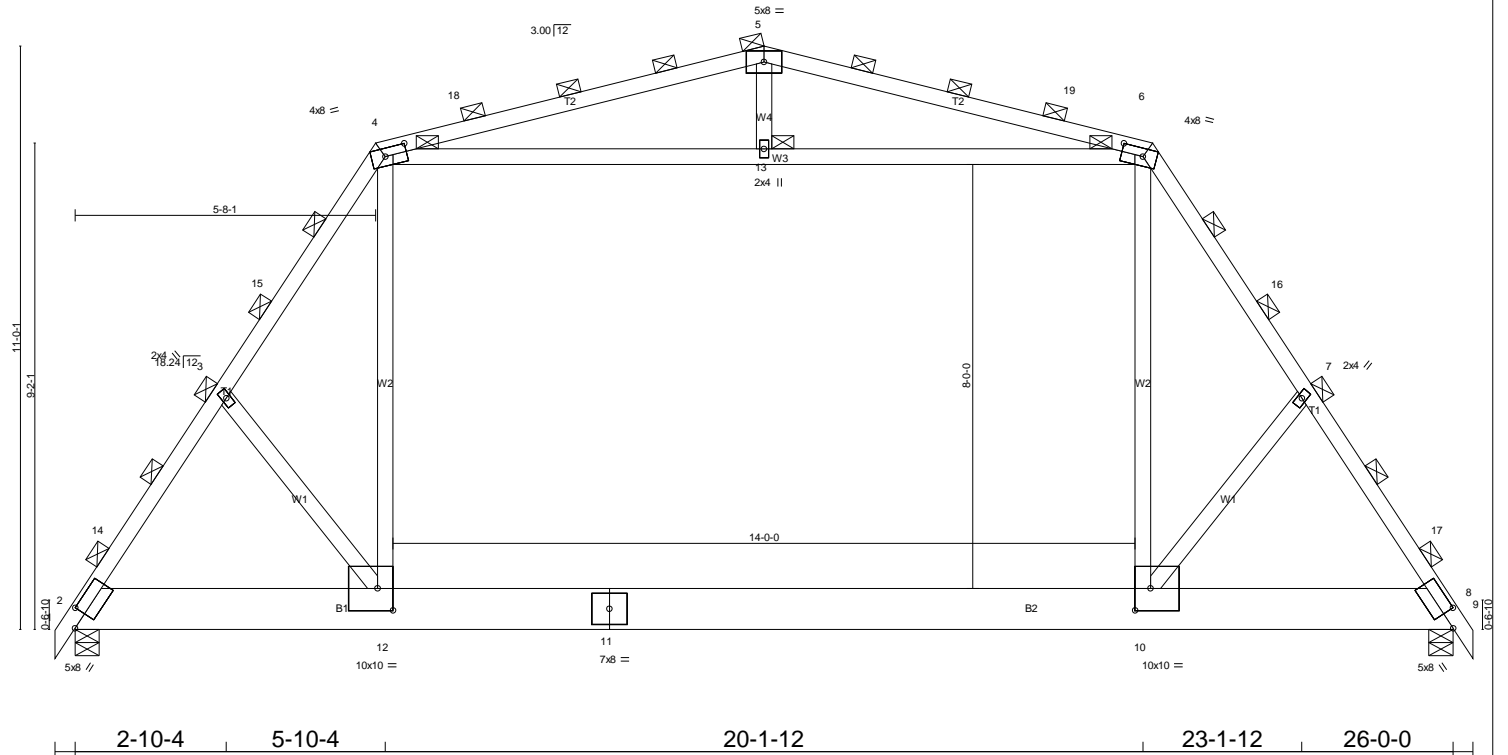


Plate Offsets (X,Y): [2:0-3-14,0-2-8], [4:0-4-14,0-1-14], [6:0-4-14,0-1-14], [8:0-3-14,0-2-8], [10:0-3-8,0-5-0], [12:0-3-8,0-5-0]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 30.0	2-0-0	TC 0.62	in (loc) l/defl L/d	MT20	197/144
TCDL 7.0	Plates Increase 1.15	BC 0.74	Vert(LL) -0.24 10-12 >999 240		
BCLL 0.0	Lumber Increase 1.15	WB 0.29	Vert(TL) -0.32 10-12 >944 180		
BCDL 10.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.02 8 n/a n/a		
	Code IBC2006/TPI2002		Attic room -0.20 10-12 844 360		Weight: 193 lb

LUMBER
TOP CHORD 2 X 4 SPF No.2
BOT CHORD 2 X 10 SYP No.1
WEBS 2 X 4 SPF No.2

BRACING
TOP CHORD 2-0-0 oc purlins (3-5-1 max.).
BOT CHORD Rigid ceiling directly applied or 6-10-11 oc bracing.
JOINTS 1 Brace at Jt(s): 4, 6, 5, 13

REACTIONS (lb/size) 2=1492/0-2-4 (input: 0-5-8), 8=1492/0-2-4 (input: 0-5-8)
Max Horz 2=-216(LC 8)
Max Uplift 2=-6(LC 10), 8=-6(LC 10)
Max Grav 2=1889(LC 2), 8=1889(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-14=-2336/0, 3-14=-2215/0, 3-15=-2149/32, 4-15=-2001/46, 6-16=-2001/46, 7-16=-2149/32,
7-17=-2215/0, 8-17=-2336/0, 4-18=-1404/103, 5-18=-1343/117, 5-19=-1343/117, 6-19=-1404/103
BOT CHORD 2-12=0/1165, 11-12=0/1190, 10-11=0/1190, 8-10=0/1165
WEBS 4-13=-370/113, 6-13=-370/113, 4-12=0/1172, 6-10=0/1172

- 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=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
 - 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= varies (min. roof snow=8.5 psf Lumber DOL=1.15 Plate DOL=1.15) see load cases; 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). 4-13, 6-13
 - 9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 10-12
 - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 6 lb uplift at joint 2 and 6 lb uplift at joint 8.
 - 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
1) Snow: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 2-12=-20, 10-12=-100, 8-10=-20, 1-4=-31, 6-9=-31, 4-6=-10, 4-5=-56, 5-6=-56