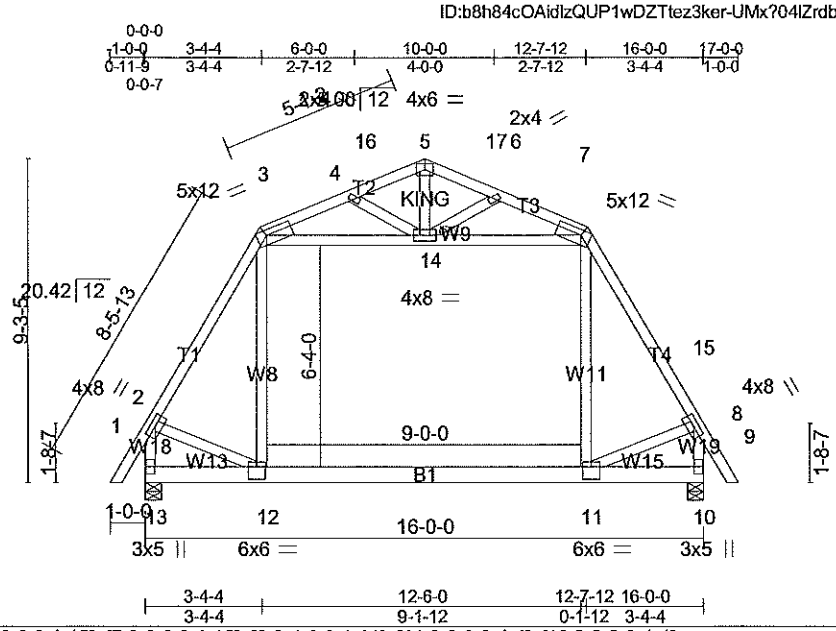
Job	Truss	Truss Type	Qty	Ply	STOR MOR
BO150756	A2	GAMBREL ATTIC	27	1	0002 Job Reference (optional)

FRANKLIN BUILDING SUPPLY, BOISE, ID. 83709 — 7.600 s Oct 3 2014 MiTek Industries, Inc. Thu Jun 25 16:25:01 2015 Page 1
ID:b8h84cOAidlzQUP1wDZTtez3ker-UMx?04lZrdbrfwrmmhKpQCYPl4pDuDa57Uo9Slz2gV0



Scale = 1:65.9

Plate Offsets (X,Y)-- [2:0-4-0,0-1-11], [3:0-8-8,0-1-12], [7:0-8-8,0-1-12], [8:0-4-0,0-1-11], [11:0-3-0,0-4-4], [12:0-3-0,0-4-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	100.0	Plate Grip DOL	1.00	TC	0.63	Vert(LL)	-0.17	11-12	>999	360	MT20	220/195
(Roof Snow=100.0)		Lumber DOL	1.00	BC	0.68	Vert(TL)	-0.24	11-12	>772	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.50	Horz(TL)	0.01	10	n/a	n/a		
BCLL	0.0	Code IRC2012/TPI2007		(Matrix-M)		Wind(LL)	0.05	11-12	>999	240	Weight: 121 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 DF No.1&Btr
BOT CHORD 2x6 DF SS
WEBS 2x4 DF Stud/Std *Except*
W9,W8,W11: 2x4 DF No.1&Btr
OTHERS 2x4 DF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-9-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-5-7 oc bracing.
JOINTS 1 Brace at Jt(s): 14

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 13=2186/0-5-8, 10=2186/0-5-8
Max Horz 13=-173(LC 8)
Max Grav 13=2186(LC 1), 10=2220(LC 17)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/349, 2-3=-1852/0, 7-15=-1636/0, 8-15=-1852/0, 8-9=0/349, 3-4=-1903/66, 4-16=-1334/40, 5-16=-1246/45, 5-17=-1246/45, 6-17=-1334/40, 6-7=-1903/66
BOT CHORD 12-13=-173/173, 11-12=0/858, 10-11=0/0
WEBS 3-14=-221/1088, 7-14=-221/1088, 3-12=-285/624, 5-14=0/492, 7-11=-380/609, 2-12=0/943, 8-11=0/943, 4-14=-823/52, 6-14=-823/52, 2-13=-2221/0, 8-10=-2221/0

NOTES-
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pf=100.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 100.0 psf on overhangs non-concurrent with other live loads.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) Ceiling dead load (5.0 psf) on member(s). 3-14, 7-14
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 11-12
8) This truss is designed in accordance with the 2012 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
10) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard