

Job B15100220	Truss 32G2	Truss Type GAMBREL ATTIC	Qty 1	Ply 1	IBC-residential25-110
------------------	---------------	-----------------------------	----------	----------	-----------------------

Truss Components of WA, Tumwater, WA 98512
 Run: 7.630 s Jul 9 2015 Print: 7.630 s Jul 9 2015 MiTek Industries, Inc. Thu Nov 05 13:13:18 2015 Page 1
 ID:EqkwXMjO6bdmXWUFY3xYKOyOVUP-65EH9L1voq2cUWlh2C1jWcPgFnht47gTKkbEJWyMBuF

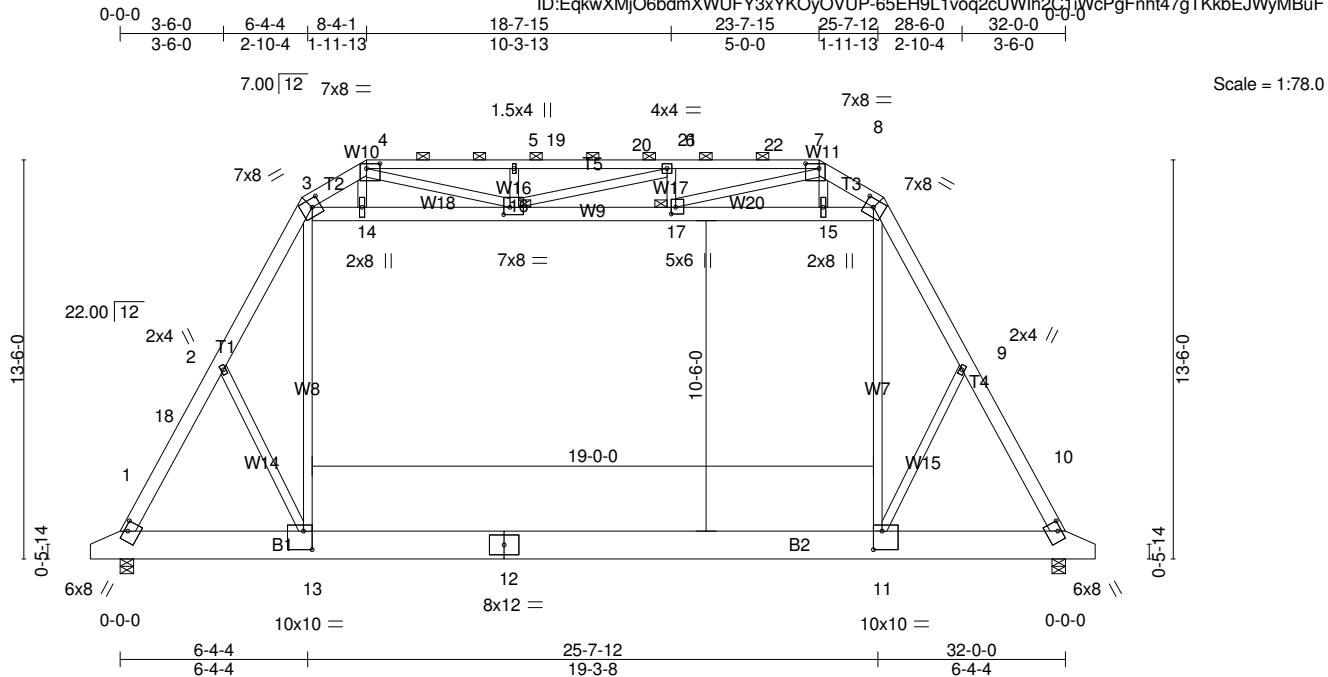


Plate Offsets (X,Y)-- [1:0-4-0,0-1-6], [3:0-3-8,0-3-4], [4:0-5-8,0-2-0], [7:0-5-8,0-2-0], [8:0-3-8,0-3-4], [10:0-4-0,0-1-6], [11:0-3-8,0-7-8], [13:0-3-8,0-7-8], [16:0-2-8,0-3-0], [17:0-2-12,0-1-12]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0 Plate Grip DOL 1.15	TC 0.81	in (loc) l/defl L/d	MT20	185/144
TCDL 7.0	Lumber DOL 1.15	BC 0.63	Vert(LL) -0.31 11-13 >999 240		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.76	Vert(TL) -0.47 11-13 >801 180		
BCDL 10.0	Code IBC2012/TPI2007	(Matrix)	Horz(TL) 0.02 10 n/a n/a		
			Attic -0.28 11-13 841 360	Weight: 338 lb	FT = 0%

LUMBER-
 TOP CHORD 2x6 DF No.2 *Except*
 T5: 2x4 DF No.1&Btr
 BOT CHORD 2x12 DF SS
 WEBS 2x4 HF No.2 *Except*
 W9: 2x6 DF No.2, W10,W11,W16,W17: 2x4 SPF Stud/Std
 W14,W15,W19: 2x4 HF Stud/Std

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 4-4-12 oc purlins, except 2-0-0 oc purlins (2-6-5 max.); 4-7.
 BOT CHORD Rigid ceiling directly applied or 7-6-15 oc bracing.
 JOINTS 1 Brace at Jt(s): 16, 17

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

REACTIONS. (lb/size) 1=1769/0-5-8 (min. 0-2-8), 10=1769/0-5-8 (min. 0-2-8)
 Max Horz 1=-630(LC 8)
 Max Uplift 1=-103(LC 10), 10=-103(LC 10)
 Max Grav 1=2328(LC 42), 10=2328(LC 44)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-18=-3076/49, 2-18=-3013/60, 2-3=-2828/313, 8-9=-2836/315, 9-10=-3080/61,
 3-4=-2048/416, 7-8=-1957/400, 4-19=-4259/848, 5-19=-4259/848, 5-20=-4259/848,
 20-21=-4259/848, 6-21=-4259/848, 6-22=-3757/773, 7-22=-3757/773
 BOT CHORD 1-13=-63/1579, 12-13=0/1516, 11-12=0/1516, 10-11=0/1386
 WEBS 3-14=-473/703, 14-16=-479/699, 16-17=-458/2774, 15-17=-475/634, 8-15=-479/640,
 3-13=-160/1561, 8-11=-163/1565, 4-14=0/269, 2-13=-342/395, 9-11=-345/396,
 5-16=-614/206, 6-17=-789/234, 4-16=-495/2655, 6-16=-157/517, 7-17=-438/2252

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=135mph (3-second gust) Vasd=107mph; TCDL=3.5psf; BCDL=5.0psf; h=15ft; B=45ft; L=32ft; eave=4ft; Cat. II; Exp D; enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp D; Fully Exp.; Ct=1.1
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) Provide adequate drainage to prevent water ponding.
 - 5) Plate(s) at joint(s) 12 checked for a plus or minus 2 degree rotation about its center.
 - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 8) Ceiling dead load (10.0 psf) on member(s). 3-14, 14-16, 16-17, 15-17, 8-15; Wall dead load (10.0psf) on member(s).3-13, 8-11
 - 9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (1.0 psf) applied only to room. 11-13
 - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 103 lb uplift at joint 1 and 103 lb uplift at joint 10.
 - 11) This truss is designed in accordance with the 2012 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 12) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - 13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - 14) Attic room checked for L/360 deflection.

Job	Truss	Truss Type	Qty	Ply	IBC-residential25-110
B15100220	32G2	GAMBREL ATTIC	1	1	Job Reference (optional)

Truss Components of WA, Tumwater, WA 98512

Run: 7.630 s Jul 9 2015 Print: 7.630 s Jul 9 2015 MiTek Industries, Inc. Thu Nov 05 13:13:19 2015 Page 2
ID:EqkwXMjO6bdmXWUFY3xYKOyOVUP-aHofNh2XZ8AS5gtucwYx2pyq?B16pawcZOLorzyMBuE

LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-13=-20, 11-13=-22, 10-11=-20, 1-3=-64, 8-10=-64, 3-8=-20, 3-4=-64, 7-8=-64, 4-7=-64

Drag: 3-13=-20, 8-11=-20