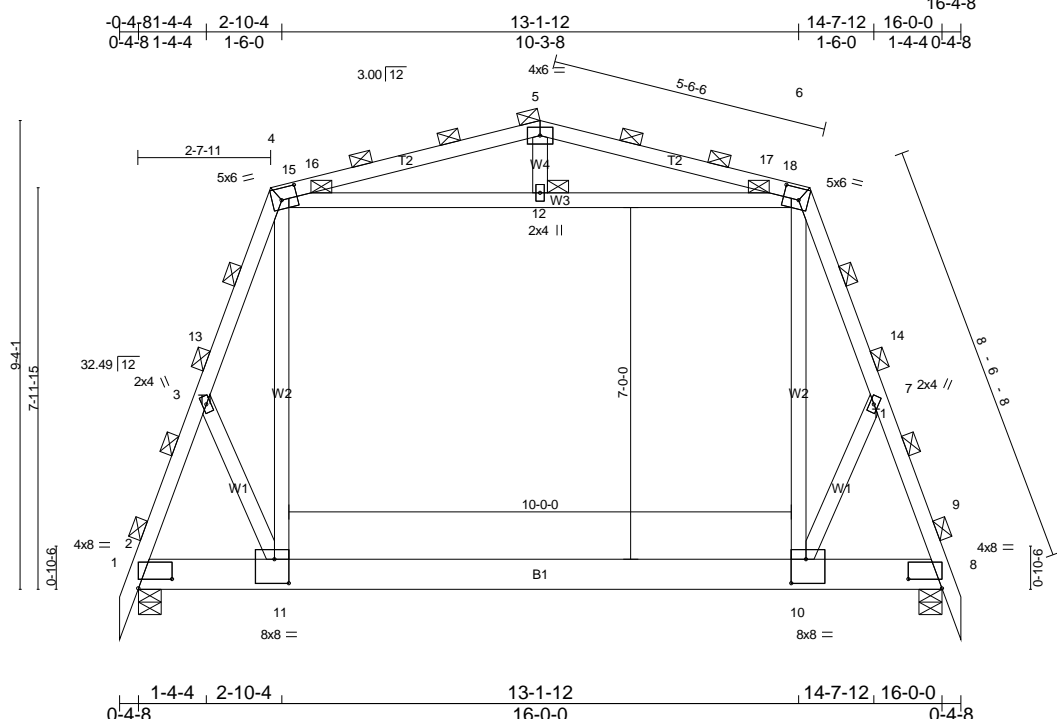


Job	Truss	Truss Type	Qty	Ply	
B0903115	GAM16	GAMBREL ATTIC	10	1	

APM Building Materials, Arendtsville, PA

7.250 s Nov 19 2010 MiTek Industries, Inc. Mon Jan 10 08:34:08 2011 Page 1
 ID: IUw6WVVR7G4cUJ1WwBQ0KzxpVI-mGLAMZ9zwd2F06dte??FuHHFV9d0XbW7SYwBGzwoC



Scale = 1:45.9

Plate Offsets (X,Y): [2:0-8-1,0-2-4], [4:0-3-12,0-2-14], [6:0-3-12,0-2-14], [8:0-8-1,0-2-4], [10:0-3-8,0-5-12], [11:0-3-8,0-5-12]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 30.0	2-0-0	TC 0.39	in (loc) l/defl L/d	MT20	197/144
TCDL 7.0	Plates Increase 1.15	BC 0.47	Vert(LL) -0.12 10-11 >999 240		
BCLL 0.0	Lumber Increase 1.15	WB 0.20	Vert(TL) -0.16 10-11 >999 180		
BCDL 10.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.01 8 n/a n/a		
	Code IBC2009/TPI2007		Attic -0.10 10-11 1220 360	Weight: 121 lb	FT = 20%

LUMBER	BRACING
TOP CHORD 2 X 4 SPF No.2	TOP CHORD 2-0-0 oc purlins (4-8-12 max.).
BOT CHORD 2 X 8 SYP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2 X 4 SPF No.2	JOINTS 1 Brace at Jt(s): 4, 6, 5, 12

REACTIONS (lb/size) 2=1030/0-5-8 (min. 0-1-8), 8=1030/0-5-8 (min. 0-1-8)
 Max Horz 2=-216(LC 8)
 Max Uplift 2=-5(LC 10), 8=-5(LC 10)
 Max Grav 2=1239(LC 2), 8=1239(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1492/0, 3-13=-1274/64, 4-13=-1182/74, 6-14=-1182/74, 7-14=-1274/64, 7-8=-1492/0, 4-15=-959/71, 15-16=-951/72, 5-16=-913/81, 5-17=-913/81, 17-18=-951/72, 6-18=-959/71
 BOT CHORD 2-11=-103/383, 10-11=-57/472, 8-10=-8/383
 WEBS 4-12=-56/415, 6-12=-56/415, 4-11=-7799, 6-10=-7799

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 90mph; TC DL=4.2psf; BC DL=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
 - ** TCLL: ASCE 7-05; Pr=30.0 psf (roof live load); Lumber DOL=1.15 Plate DOL=1.15; Pg=40.0 psf (ground snow); Ps=varies (min. roof snow=0.2 psf Lumber DOL=1.15 Plate DOL=1.15) see load cases; 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 12.0 psf or 2.00 times flat roof load of 27.7 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). 4-12, 6-12
 - Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 10-11
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 5 lb uplift at joint 2 and 5 lb uplift at joint 6.
 - This truss is designed in accordance with the 2009 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
 1) Snow: Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 2-11=-20, 10-11=-100, 8-10=-20, 1-4=-14, 6-9=-14, 4-6=-10, 4-5=-69, 5-6=-69

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
B0903115	GAM18	GAMBREL ATTIC	10	1	

APM Building Materials, Arendtsville, PA

7.250 s Nov 19 2010 MITek Industries, Inc. Mon Jan 10 08:34:11 2011 Page 1

ID: ?EDyN3HVfavoLojwONySJOzyi5d-Ar1L_bCrDYQqtaMSJ8ZyWvmj69VDuMzpQnaobzwcg

0-4-8 1-10-4 3-10-4 14-1-12 16-1-12 18-0-0 18-4-8
 0-4-8 1-10-4 2-0-0 10-3-8 2-0-0 1-10-4 0-4-8

Scale = 1:45.6

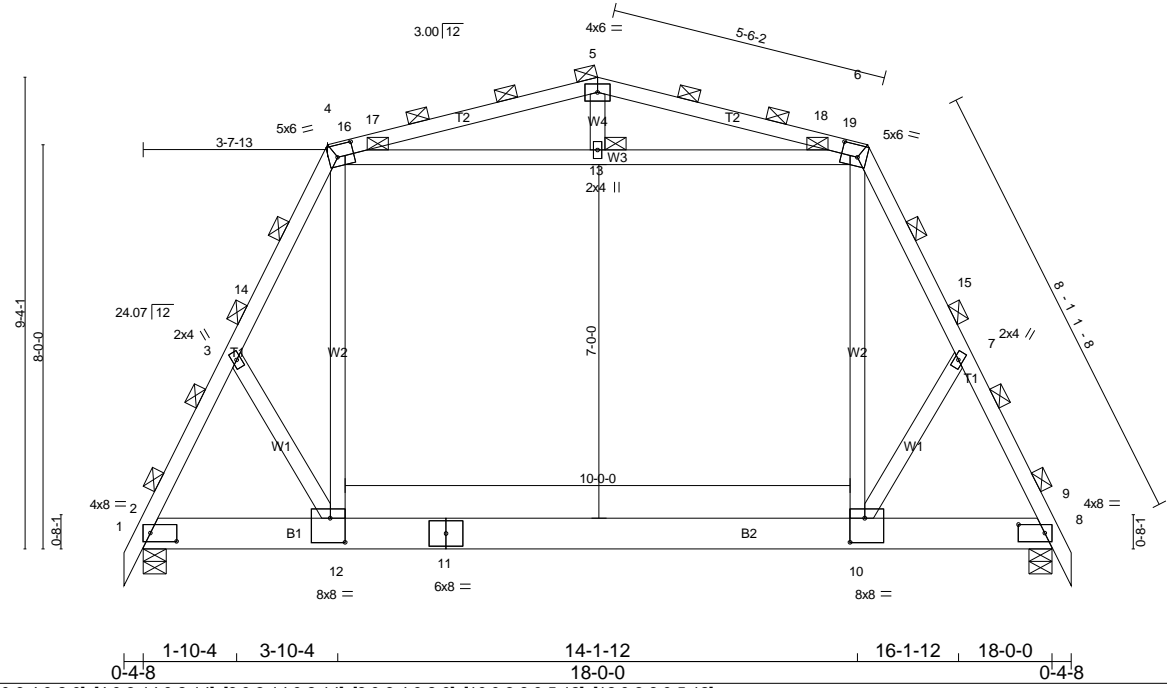


Plate Offsets (X,Y): [2:0-6-4,0-2-0], [4:0-3-14,0-2-14], [6:0-3-14,0-2-14], [8:0-6-4,0-2-0], [10:0-3-8,0-5-12], [12:0-3-8,0-5-12]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 30.0	2-0-0	TC 0.41	in (loc) l/defl L/d	MT20	197/144
TCDL 7.0	Plates Increase 1.15	BC 0.53	Vert(LL) -0.13 10-12 >999 240		
BCLL 0.0	Lumber Increase 1.15	WB 0.19	Vert(TL) -0.18 10-12 >999 180		
BCDL 10.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.01 8 n/a n/a		
	Code IBC2009/TPI2007		Attic -0.11 10-12 1105 360	Weight: 128 lb	FT = 20%

LUMBER	BRACING
TOP CHORD 2 X 4 SPF No.2	TOP CHORD 2-0-0 oc purlins (4-7-10 max.).
BOT CHORD 2 X 8 SYP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2 X 4 SPF No.2	JOINTS 1 Brace at Jt(s): 4, 6, 5, 13

REACTIONS (lb/size) 2=1107/0-5-8 (min. 0-1-9), 8=1107/0-5-8 (min. 0-1-9)
 Max Horz 2=204(LC 9)
 Max Uplift 2=8(LC 10), 8=8(LC 10)
 Max Grav 2=1333(LC 2), 8=1333(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1557/0, 3-14=-1393/49, 4-14=-1274/63, 6-15=-1274/63, 7-15=-1393/49, 7-8=-1557/0, 4-16=-974/70, 16-17=-967/71, 5-17=-929/81, 5-18=-929/81, 18-19=-967/71, 6-19=-974/70
 BOT CHORD 2-12=-66/572, 11-12=-24/633, 10-11=-24/633, 8-10=0/572
 WEBS 4-13=-139/277, 6-13=-139/277, 4-12=0/791, 6-10=0/791

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 90mph; TC DL=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
 - ** TCLL: ASCE 7-05; Pr=30.0 psf (roof live load; Lumber DOL=1.15 Plate DOL=1.15); Pg=40.0 psf (ground snow); Ps=varies (min. roof snow=5.5 psf Lumber DOL=1.15 Plate DOL=1.15) see load cases; 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 12.0 psf or 2.00 times flat roof load of 27.7 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). 4-13, 6-13
 - Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 10-12
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 8 lb uplift at joint 2 and 8 lb uplift at joint 8.
 - This truss is designed in accordance with the 2009 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
 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=-25, 6-9=-25, 4-6=-10, 4-5=-69, 5-6=-69

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
B0903115	GAM20	GAMBREL ATTIC	10	1	

APM Building Materials, Arendtsville, PA 7.250 s Nov 19 2010 MITek Industries, Inc. Mon Jan 10 08:34:22 2011 Page 1

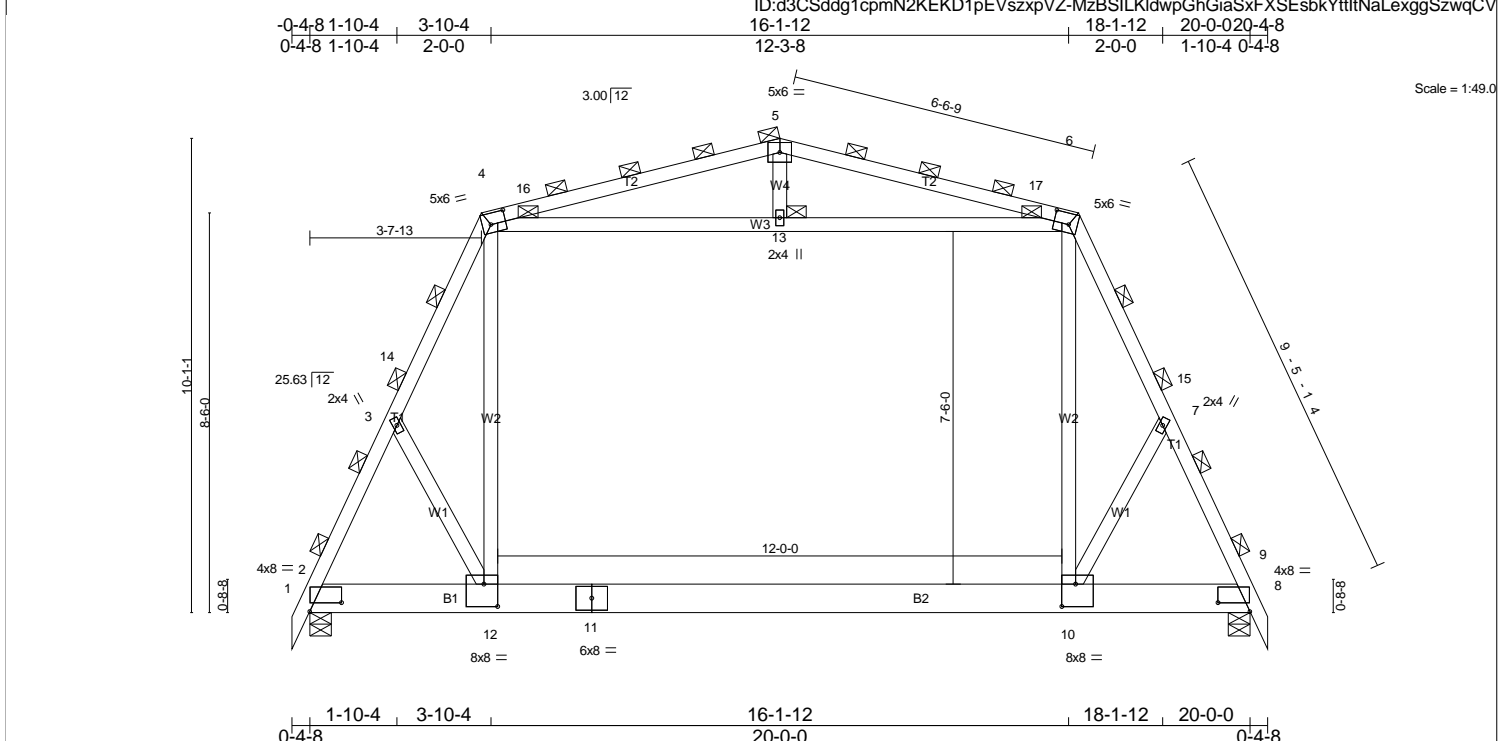


Plate Offsets (X,Y): [2:0-8-2,0-2-4], [4:0-3-13,0-2-14], [6:0-3-13,0-2-14], [8:0-8-2,0-2-4], [10:0-3-8,0-5-12], [12:0-3-8,0-5-12]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 30.0	2-0-0	TC 0.61	in (loc) l/defl L/d	MT20	197/144
TCDL 7.0	Plates Increase 1.15	BC 0.73	Vert(LL) -0.23 10-12 >999 240		
BCLL 0.0	Lumber Increase 1.15	WB 0.24	Vert(TL) -0.31 10-12 >751 180		
BCDL 10.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.01 8 n/a n/a		
	Code IBC2009/TPI2007		Attic -0.21 10-12 716 360	Weight: 141 lb	FT = 20%

LUMBER	BRACING
TOP CHORD 2 X 4 SPF No.2	TOP CHORD 2-0-0 oc purlins (4-2-5 max.).
BOT CHORD 2 X 8 SYP No.2	BOT CHORD Rigid ceiling directly applied or 9-2-5 oc bracing.
WEBS 2 X 4 SPF No.2	JOINTS 1 Brace at Jt(s): 4, 6, 5, 13

REACTIONS (lb/size) 2=1277/0-5-8 (min. 0-1-13), 8=1277/0-5-8 (min. 0-1-13)
 Max Horz 2=221(LC 9)
 Max Uplift 2=4(LC 10), 8=4(LC 10)
 Max Grav 2=1517(LC 2), 8=1517(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1843/0, 3-14=-1642/46, 4-14=-1522/59, 6-15=-1522/59, 7-15=-1642/46, 7-8=-1843/0, 4-16=-1175/89, 5-16=-1122/100, 5-17=-1122/100, 6-17=-1175/89
 BOT CHORD 2-12=-70/638, 11-12=-25/723, 10-11=-25/723, 8-10=0/638
 WEBS 4-13=-155/367, 6-13=-155/367, 4-12=0/982, 6-10=0/982

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 90mph; TC DL=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
 - ** TCLL: ASCE 7-05; Pr=30.0 psf (roof live load); Lumber DOL=1.15 Plate DOL=1.15; Pg=40.0 psf (ground snow); Ps=varies (min. roof snow=4.3 psf Lumber DOL=1.15 Plate DOL=1.15) see load cases; 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 12.0 psf or 2.00 times flat roof load of 27.7 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). 4-13, 6-13
 - Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 10-12
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 4 lb uplift at joint 2 and 4 lb uplift at joint 6.
 - This truss is designed in accordance with the 2009 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
 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=-23, 6-9=-23, 4-6=-10, 4-5=-69, 5-6=-69

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
B0903115	GAM22	GAMBREL ATTIC	10	1	

APM Building Materials, Arendtsville, PA 7.250 s Nov 19 2010 MiTek Industries, Inc. Mon Jan 10 08:34:25 2011 Page 1

ID:2eubFfivuk9yvovv9N7UzxpVW-mYtbwNMdwrBrYjQ884pE4sU6amtTVD911cAKHnzWqCS
 17-1-12 19-7-12 22-0-0 22-4-8
 0-4-8 2-4-4 4-10-4 12-3-8 2-6-0 2-4-4 0-4-8

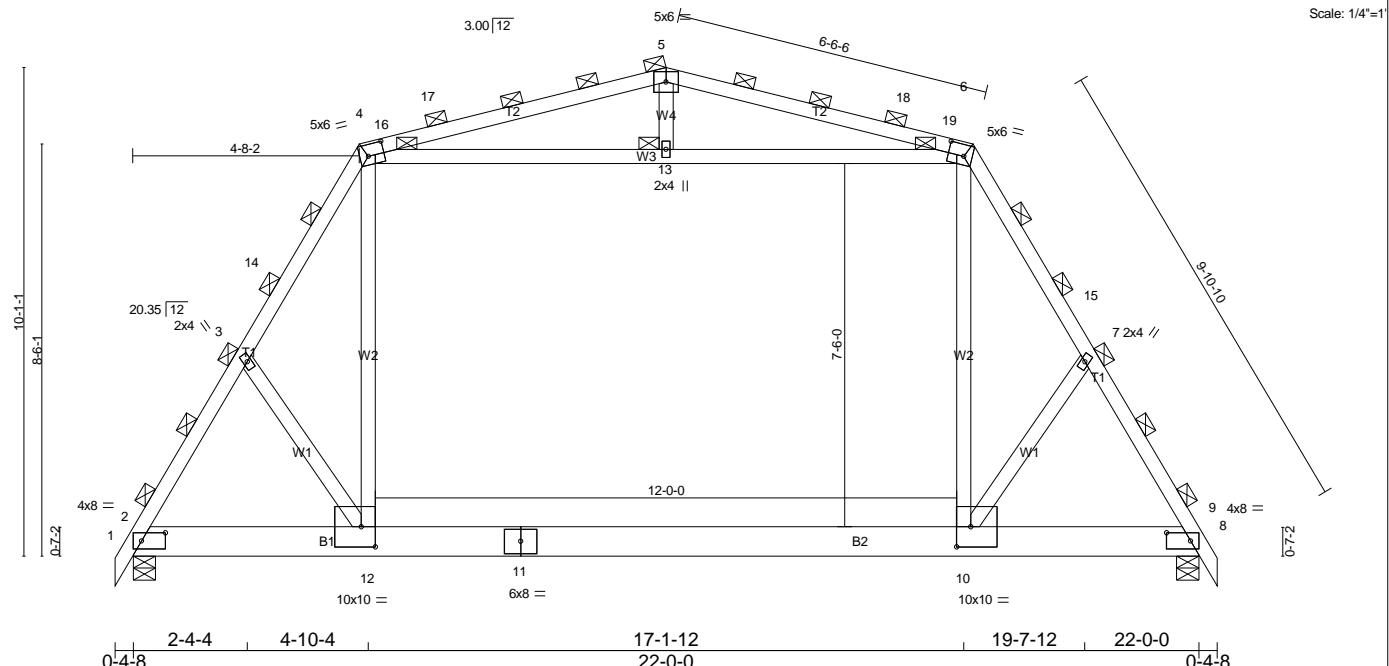


Plate Offsets (X,Y): [2:0-5-15,0-2-0], [4:0-3-15,0-2-14], [6:0-3-15,0-2-14], [8:0-5-15,0-2-0], [10:0-3-8,0-5-0], [12:0-3-8,0-5-0]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 30.0	Plates Increase 1.15	TC 0.64	Vert(LL) -0.26 10-12 >999 240	MT20	197/144
TCDL 7.0	Lumber Increase 1.15	BC 0.80	Vert(TL) -0.34 10-12 >760 180		
BCLL 0.0	Rep Stress Incr YES	WB 0.24	Horz(TL) 0.01 8 n/a n/a		
BCDL 10.0	Code IBC2009/TPI2007	(Matrix)	Attic -0.23 10-12 647 360	Weight: 149 lb	FT = 20%

LUMBER	BRACING
TOP CHORD 2 X 4 SPF No.2	TOP CHORD 2-0-0 oc purlins (4-1-1 max.).
BOT CHORD 2 X 8 SYP No.2	BOT CHORD Rigid ceiling directly applied or 8-3-12 oc bracing.
WEBS 2 X 4 SPF No.2	JOINTS 1 Brace at Jt(s): 4, 6, 5, 13

REACTIONS (lb/size) 2=1367/0-5-8 (min. 0-1-14), 8=1367/0-5-8 (min. 0-1-14)
 Max Horz 2=210(LC 8)
 Max Uplift 2=7(LC 10), 8=7(LC 10)
 Max Grav 2=1611(LC 2), 8=1611(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1942/0, 3-14=-1767/37, 4-14=-1630/53, 6-15=-1630/53, 7-15=-1767/37, 7-8=-1942/0, 4-16=-1190/86, 16-17=-1181/88,
 5-17=-1137/99, 5-18=-1137/99, 18-19=-1181/88, 6-19=-1190/86
 BOT CHORD 2-12=-31/853, 11-12=0/907, 10-11=0/907, 8-10=0/853
 WEBS 4-13=-252/214, 6-13=-252/214, 4-12=0/970, 6-10=0/970

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 90mph; TC DL=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
 - ** TCLL: ASCE 7-05; Pr=30.0 psf (roof live load); Lumber DOL=1.15 Plate DOL=1.15; Pg=40.0 psf (ground snow); Ps=varies (min. roof snow=9.0 psf Lumber DOL=1.15 Plate DOL=1.15) see load cases; 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 12.0 psf or 2.00 times flat roof load of 27.7 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). 4-13, 6-13
 - Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 10-12
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 7 lb uplift at joint 2 and 7 lb uplift at joint 6.
 - This truss is designed in accordance with the 2009 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
 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=-32, 6-9=-32, 4-6=-10, 4-5=-69, 5-6=-69

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
B0903115	GAM24	GAMBREL ATTIC	10	1	

APM Building Materials, Arendtsville, PA

7.250 s Nov 19 2010 MITek Industries, Inc. Mon Jan 10 08:34:28 2011 Page 1

ID:SDajugkoBfXWmFhUalwel6zxpVT-eJ66mkP8_4hG1LkwNvtAFin7NEPR18cyD8XQZzwqCO

0-4-8 2-10-4 5-10-4 18-1-12 21-1-12 24-0-0 24-4-8
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Scale = 1:51.7

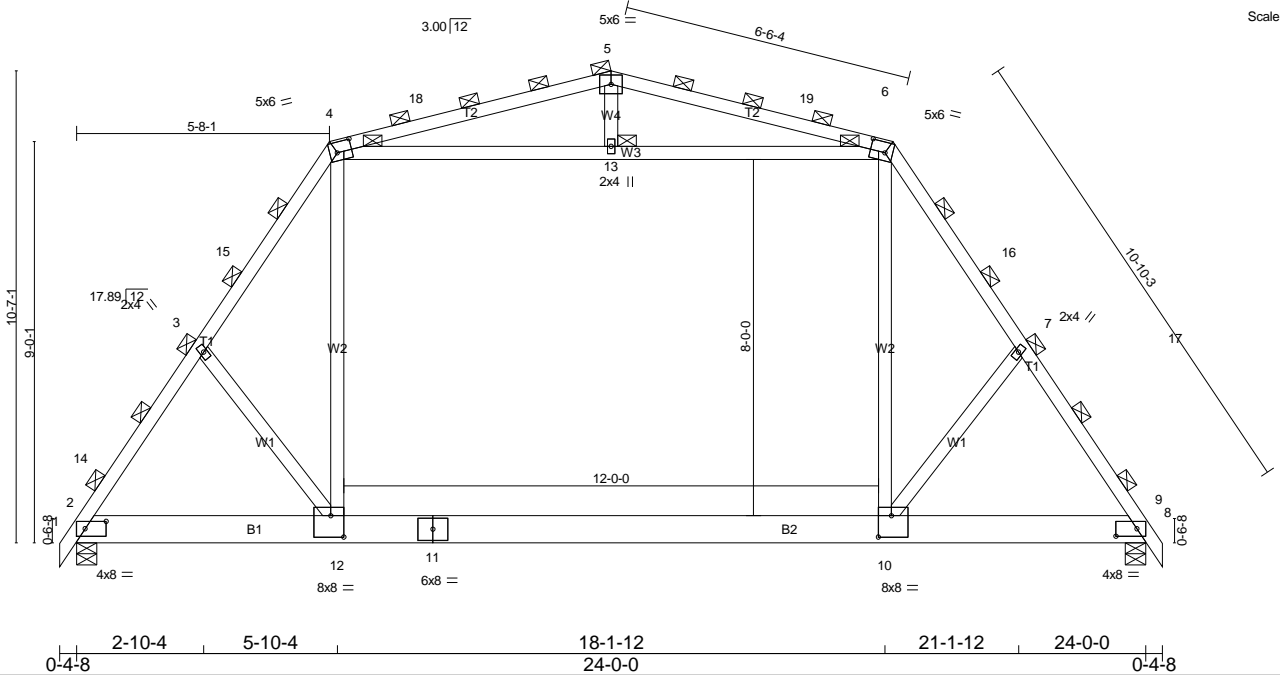


Plate Offsets (X,Y): [2:0-5-10,0-2-0], [4:0-3-15,0-2-14], [6:0-3-15,0-2-14], [8:0-5-10,0-2-0], [10:0-3-8,0-5-12], [12:0-3-8,0-5-12]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 30.0	2-0-0	TC 0.67	in (loc) l/defl L/d	MT20	197/144
TCDL 7.0	Plates Increase 1.15	BC 0.87	Vert(LL) -0.29 10-12 >982 240		
BCLL 0.0	Lumber Increase 1.15	WB 0.24	Vert(TL) -0.37 10-12 >757 180		
BCDL 10.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.02 8 n/a n/a		
	Code IBC2009/TPI2007		Attic -0.25 10-12 579 360	Weight: 159 lb	FT = 20%

LUMBER	BRACING
TOP CHORD 2 X 4 SPF No.2	TOP CHORD 2-0-0 oc purlins (3-11-7 max.).
BOT CHORD 2 X 8 SYP No.2	BOT CHORD Rigid ceiling directly applied or 7-4-11 oc bracing.
WEBS 2 X 4 SPF No.2	JOINTS 1 Brace at Jt(s): 4, 6, 5, 13

REACTIONS (lb/size) 2=1453/0-5-8 (min. 0-2-0), 8=1453/0-5-8 (min. 0-2-0)
 Max Horz 2=-209(LC 8)
 Max Uplift 2=-10(LC 10), 8=-10(LC 10)
 Max Grav 2=1705(LC 2), 8=1705(LC 2)

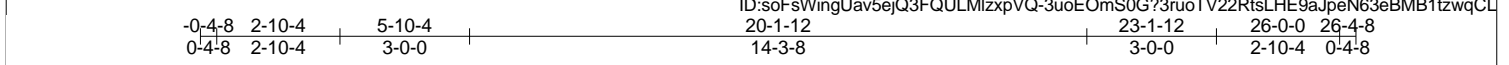
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-14=-2056/0, 3-14=-2033/0, 3-15=-1871/41, 4-15=-1724/60, 6-16=-1724/60, 7-16=-1871/41, 7-17=-2033/0, 8-17=-2056/0,
 4-18=-1200/85, 5-18=-1147/97, 5-19=-1147/97, 6-19=-1200/85
 BOT CHORD 2-12=-5/1019, 11-12=0/1039, 10-11=0/1039, 8-10=0/1019
 WEBS 4-13=-315/107, 6-13=-315/107, 4-12=0/969, 6-10=0/969

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 90mph; TC DL=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
 - ** TCLL: ASCE 7-05; Pr=30.0 psf (roof live load; Lumber DOL=1.15 Plate DOL=1.15); Pg=40.0 psf (ground snow); Ps=varies (min. roof snow=11.8 psf Lumber DOL=1.15 Plate DOL=1.15) see load cases; 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 12.0 psf or 2.00 times flat roof load of 27.7 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). 4-13, 6-13
 - Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 10-12
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 10 lb uplift at joint 2 and 10 lb uplift at joint 8.
 - This truss is designed in accordance with the 2009 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
 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=-38, 6-9=-38, 4-6=-10, 4-5=-69, 5-6=-69

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
B0903115	GAM26	GAMBREL ATTIC	10	1	

APM Building Materials, Arendtsville, PA 7.250 s Nov 19 2010 Mitek Industries, Inc. Mon Jan 10 08:34:32 2011 Page 1



Scale = 1:53.3

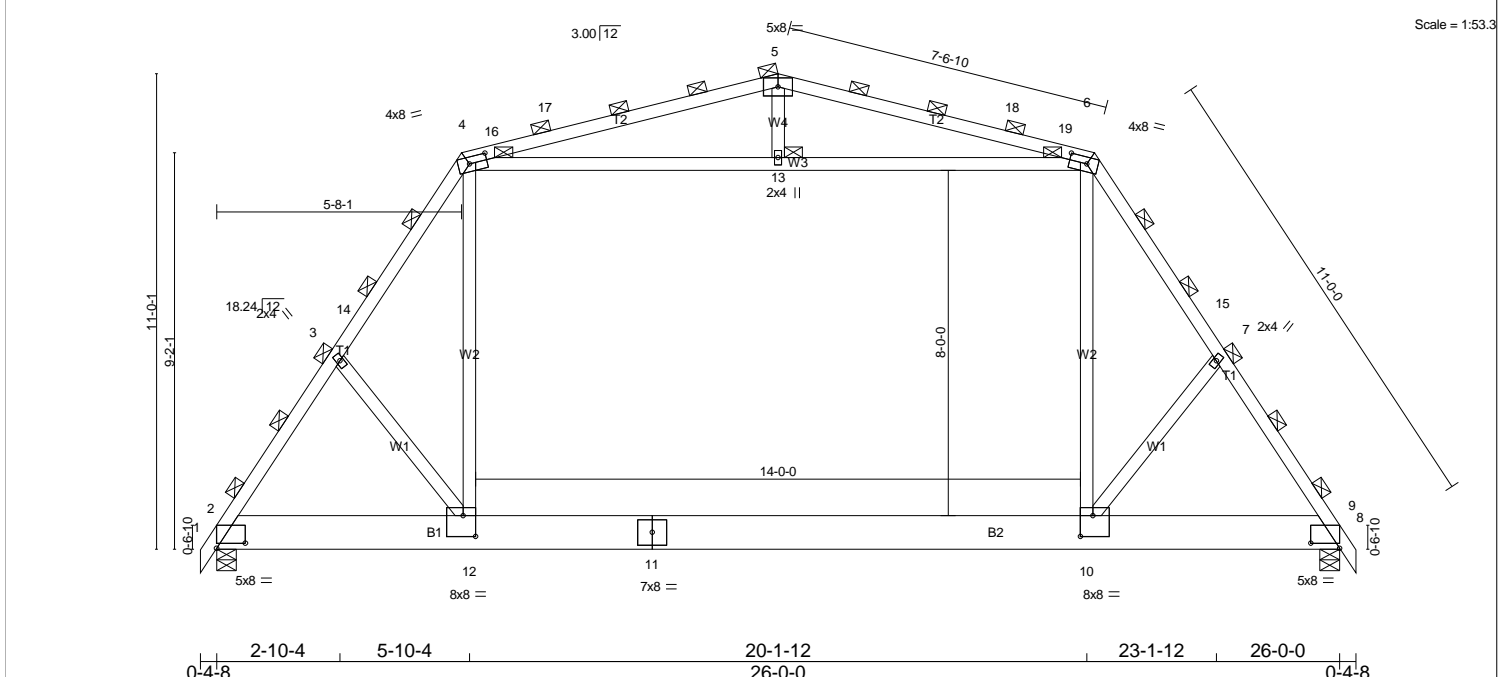


Plate Offsets (X,Y):	[2:0-8-0,0-1-6], [4:0-4-14,0-1-14], [6:0-4-14,0-1-14], [8:0-8-0,0-1-6], [10:0-3-8,0-5-12], [12:0-3-8,0-5-12]
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LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 30.0	2-0-0	TC 0.94	in (loc) l/defl L/d	MT20	197/144
TCDL 7.0	Plates Increase 1.15	BC 0.63	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 IBC2009/TPI2007		Attic -0.20 10-12 844 360	Weight: 193 lb	FT = 20%

LUMBER	BRACING
TOP CHORD 2 X 4 SPF No.2	TOP CHORD 2-0-0 oc purlins (2-2-0 max.)
BOT CHORD 2 X 10 SYP No.1	BOT CHORD Rigid ceiling directly applied or 9-0-8 oc bracing.
WEBS 2 X 4 SPF No.2	JOINTS 1 Brace at Jt(s): 4, 6, 5, 13

REACTIONS (lb/size) 2=1628/0-5-8 (min. 0-2-4), 8=1628/0-5-8 (min. 0-2-4)
 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 2-3=-2336/0, 3-14=-2149/27, 4-14=-2001/46, 6-15=-2001/46, 7-15=-2149/27, 7-8=-2336/0, 4-16=-1404/103, 16-17=-1368/103, 5-17=-1343/117, 5-18=-1343/117, 18-19=-1368/103, 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=-370/139, 6-13=-370/139, 4-12=0/1172, 6-10=0/1172

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 90mph; TC DL=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=40.0 psf (ground snow); Ps=varies (min. roof snow=11.4 psf Lumber DOL=1.15 Plate DOL=1.15) see load cases; 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 12.0 psf or 2.00 times flat roof load of 27.7 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). 4-13, 6-13
 - Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 10-12
 - 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.
 - This truss is designed in accordance with the 2009 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
 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=-37, 6-9=-37, 4-6=-10, 4-5=-69, 5-6=-69

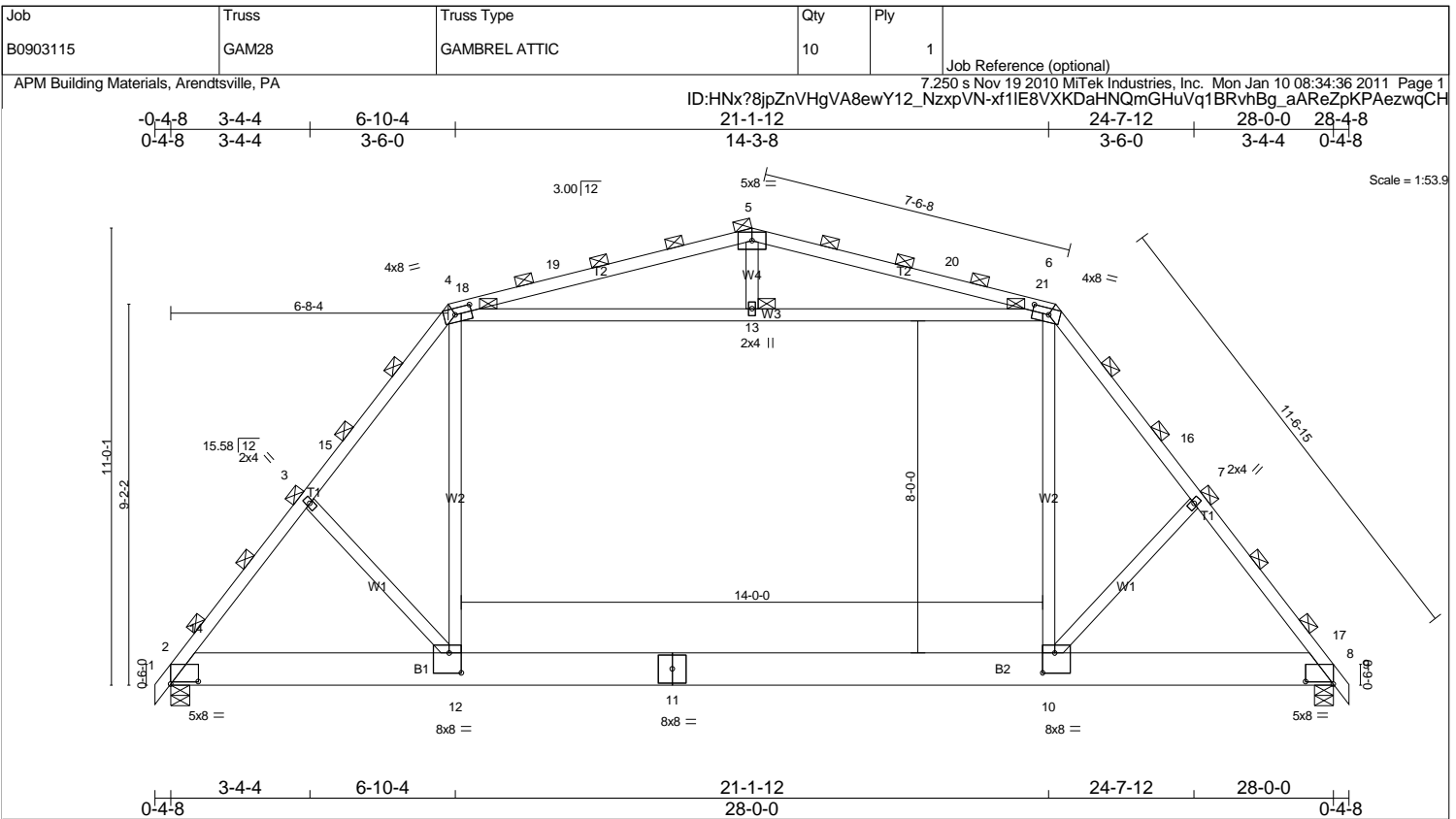


Plate Offsets (X,Y): [2:0-8-0,0-0-12], [4:0-4-12,0-1-14], [6:0-4-12,0-1-14], [8:0-8-0,0-0-12], [10:0-3-8,0-5-12], [12:0-3-8,0-5-12]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 30.0	Plates Increase 1.15	TC 0.97	in (loc) l/defl L/d	MT20	197/144
TCDL 7.0	Lumber Increase 1.15	BC 0.68	Vert(LL) -0.27 10-12 >999 240		
BCLL 0.0	Rep Stress Incr YES	WB 0.33	Vert(TL) -0.35 10-12 >931 180		
BCDL 10.0	Code IRC2009/TPI2007	(Matrix)	Horz(TL) 0.02 8 n/a n/a		
			Attic -0.22 10-12 766 360	Weight: 202 lb	FT = 20%

LUMBER	BRACING
TOP CHORD 2 X 4 SPF No.2	TOP CHORD 2-0-0 oc purlins (2-2-0 max.).
BOT CHORD 2 X 10 SYP No.1	BOT CHORD Rigid ceiling directly applied or 8-5-9 oc bracing.
WEBS 2 X 4 SPF No.2	JOINTS 1 Brace at Jt(s): 4, 6, 5, 13

REACTIONS (lb/size) 2=1736/0-5-8 (min. 0-2-5), 8=1736/0-5-8 (min. 0-2-5)
 Max Horz=201(LC 9)
 Max Uplift=9(LC 10), 8=9(LC 10)
 Max Grav=1983(LC 2), 8=1983(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-14=-2509/0, 3-14=-2489/0, 3-15=-2316/23, 4-15=-2151/44, 6-16=-2151/44, 7-16=-2316/23, 7-17=-2489/0, 8-17=-2509/0,
 4-18=-1417/100, 18-19=-1410/106, 5-19=-1357/115, 5-20=-1357/115, 20-21=-1410/106, 6-21=-1417/100
 BOT CHORD 2-12=0/1419, 11-12=0/1405, 10-11=0/1405, 8-10=0/1419
 WEBS 4-13=-482/17, 6-13=-482/17, 4-12=0/1173, 6-10=0/1173

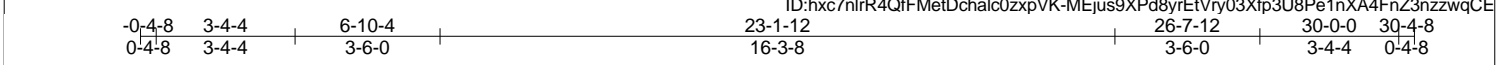
- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 90mph; TC DL=4.2psf; BC DL=6.0psf; h=25ft; B=45ft; L=28ft; eave=4ft; Cat. II; Exp B; enclosed; MWFRS (all heights); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - ** TC LL: ASCE 7-05; Pr=30.0 psf (roof live load; Lumber DOL=1.15 Plate DOL=1.15); Pg=40.0 psf (ground snow); Ps= varies (min. roof snow=15.0 psf Lumber DOL=1.15 Plate DOL=1.15) see load cases; 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 12.0 psf or 2.00 times flat roof load of 27.7 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). 4-13, 6-13
 - Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 10-12
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 9 lb uplift at joint 2 and 9 lb uplift at joint 8.
 - This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 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

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=-44, 6-9=-44, 4-6=-10, 4-5=-69, 5-6=-69

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
B0903115	GAM30	GAMBREL ATTIC	10	1	

APM Building Materials, Arendtsville, PA 7.250 s Nov 19 2010 MiTek Industries, Inc. Mon Jan 10 08:34:39 2011 Page 1



Scale = 1:55.6

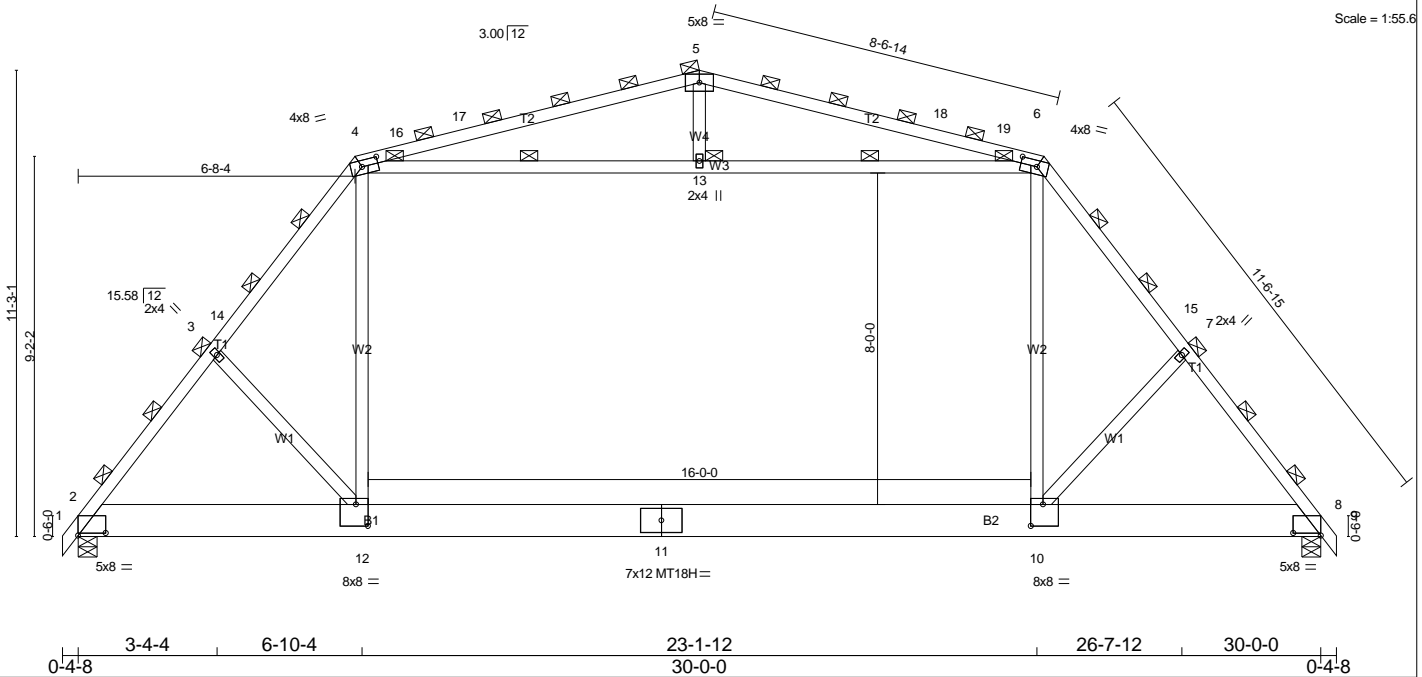


Plate Offsets (X,Y): [2:0-8-0,0-0-12], [4:0-4-12,0-1-14], [6:0-4-12,0-1-14], [8:0-8-0,0-0-12], [10:0-3-8,0-6-4], [12:0-3-8,0-6-4]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 30.0	2-0-0	TC 0.70	in (loc) l/defl L/d	MT20	197/144
TCDL 7.0	Plates Increase 1.15	BC 0.85	Vert(LL) -0.39 10-12 >898 240	MT18H	244/190
BCLL 0.0	Lumber Increase 1.15	WB 0.33	Vert(TL) -0.52 10-12 >678 180		
BCDL 10.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.03 8 n/a n/a		
	Code IBC2009/TPI2007		Attic -0.34 10-12 573 360		
				Weight: 221 lb	FT = 20%

LUMBER	BRACING
TOP CHORD 2 X 4 SPF No.2 *Except* T2: 2 X 4 SYP 2400F 2.0E	TOP CHORD 2-0-0 oc purlins (3-0-7 max.).
BOT CHORD 2 X 10 SYP No.1	BOT CHORD Rigid ceiling directly applied or 5-9-5 oc bracing.
WEBS 2 X 4 SPF No.2	WEBS 1 Row at midpt 4-13, 6-13
	JOINTS 1 Brace at Jt(s): 4, 6, 5, 13

REACTIONS (lb/size) 2=1916/0-5-8 (min. 0-2-9), 8=1916/0-5-8 (min. 0-2-9)
 Max Horz 2=203(LC 9)
 Max Uplift 2=6(LC 10), 8=6(LC 10)
 Max Grav 2=2167(LC 2), 8=2167(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-2818/0, 3-14=-2620/9, 4-14=-2455/30, 6-15=-2455/30, 7-15=-2620/9, 7-8=-2818/0, 4-16=-1642/122, 16-17=-1595/126,
 5-17=-1574/137, 5-18=-1574/137, 18-19=-1595/126, 6-19=-1642/122
 BOT CHORD 2-12=0/1597, 11-12=0/1599, 10-11=0/1599, 8-10=0/1597
 WEBS 4-13=-565/27, 6-13=-565/27, 4-12=0/1345, 6-10=0/1345

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 90mph; TCCL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=30ft; 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
 - ** TCCL: ASCE 7-05; Pr=30.0 psf (roof live load; Lumber DOL=1.15 Plate DOL=1.15); Pg=40.0 psf (ground snow); Ps= varies (min. roof snow=15.0 psf Lumber DOL=1.15 Plate DOL=1.15) see load cases; 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 12.0 psf or 2.00 times flat roof load of 27.7 psf on overhangs non-concurrent with other live loads.
 - All plates are MT20 plates unless otherwise indicated.
 - 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), 4-13, 6-13
 - Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 10-12
 - 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.
 - This truss is designed in accordance with the 2009 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
 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=-44, 6-9=-44, 4-6=-10, 4-5=-69, 5-6=-69

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
B0903115	GAM32	GAMBREL ATTIC	10	1	

APM Building Materials, Arendtsville, PA 7.250 s Nov 19 2010 MiTek Industries, Inc. Mon Jan 10 08:34:43 2011 Page 1

-0-4-8	3-10-4	7-10-4	24-1-12	28-1-12	32-0-0	32-4-8
0-4-8	3-10-4	4-0-0	16-3-8	4-0-0	3-10-4	0-4-8

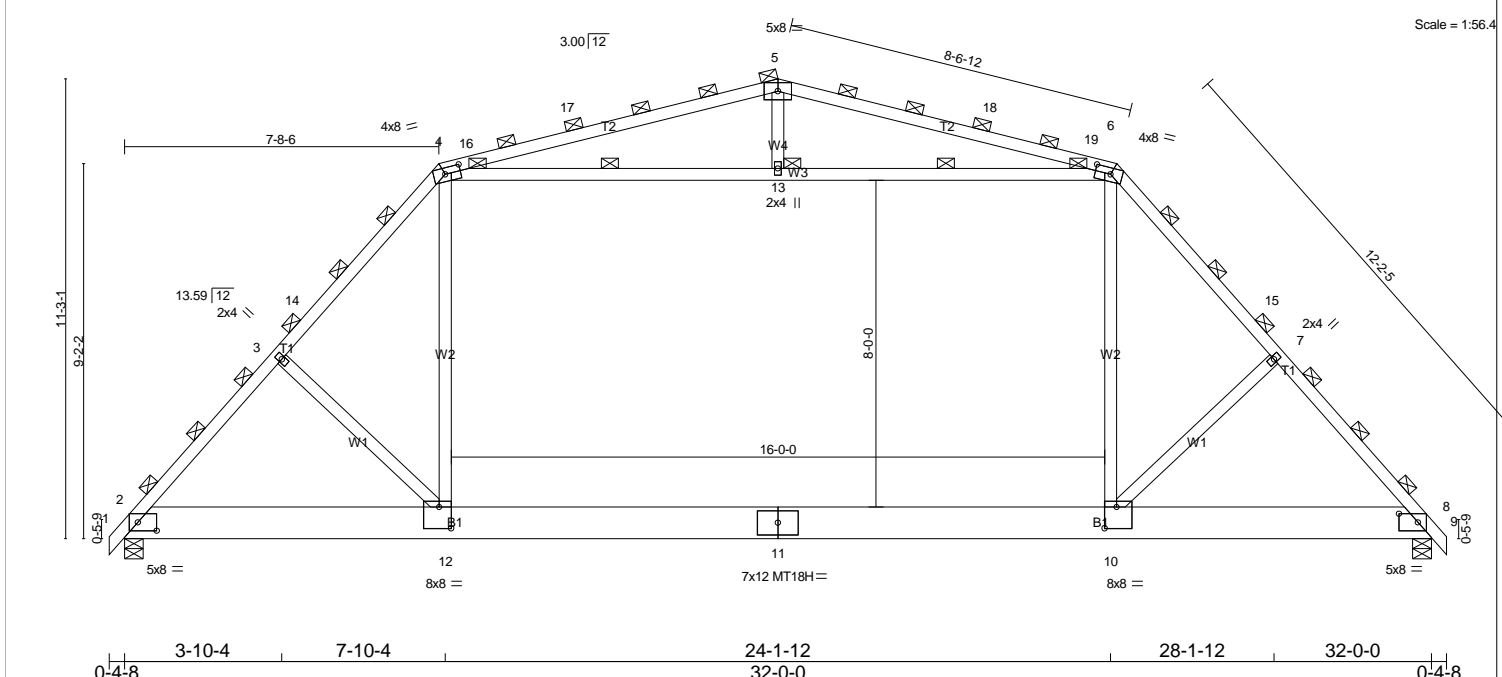


Plate Offsets (X,Y):	[2:0-5-9,0-2-8], [4:0-4-9,0-1-14], [6:0-4-9,0-1-14], [8:0-5-9,0-2-8], [10:0-3-8,0-6-4], [12:0-3-8,0-6-4]
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LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 30.0	2-0-0	TC 0.72	in (loc) l/defl L/d	MT20	197/144
TCDL 7.0	Plates Increase 1.15	BC 0.90	Vert(LL) -0.44 10-12 >868 240	MT18H	244/190
BCLL 0.0	Lumber Increase 1.15	WB 0.33	Vert(TL) -0.57 10-12 >666 180		
BCDL 10.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.03 8 n/a n/a		
	Code IBC2009/TPI2007		Attic -0.37 10-12 525 360		
				Weight: 231 lb	FT = 20%

LUMBER	BRACING
TOP CHORD 2 X 4 SPF No.2 *Except* T2: 2 X 4 SYP 2400F 2.0E	TOP CHORD 2-0-0 oc purlins (2-10-13 max.).
BOT CHORD 2 X 10 SYP No.1	BOT CHORD Rigid ceiling directly applied or 5-4-4 oc bracing.
WEBS 2 X 4 SPF No.2	WEBS 1 Row at midpt 4-13, 6-13
	JOINTS 1 Brace at Jt(s): 4, 6, 5, 13

REACTIONS (lb/size) 2=2033/0-5-8 (min. 0-2-11), 8=2033/0-5-8 (min. 0-2-11)
 Max Horz 2=191(LC 8)
 Max Uplift 2=8(LC 10), 8=8(LC 10)
 Max Grav 2=2261(LC 2), 8=2261(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-3027/0, 3-14=-2812/7, 4-14=-2633/30, 6-15=-2633/30, 7-15=-2812/7, 7-8=-3027/0, 4-16=-1655/119, 16-17=-1642/125,
 5-17=-1588/135, 5-18=-1588/135, 18-19=-1642/125, 6-19=-1655/119
 BOT CHORD 2-12=0/1887, 11-12=0/1845, 10-11=0/1845, 8-10=0/1887
 WEBS 4-13=-696/0, 6-13=-696/0, 4-12=0/1344, 6-10=0/1344

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 90mph; TCCL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=32ft; 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
 - ** TCCL: ASCE 7-05; Pr=30.0 psf (roof live load; Lumber DOL=1.15 Plate DOL=1.15); Pg=40.0 psf (ground snow); Ps= varies (min. roof snow=18.3 psf Lumber DOL=1.15 Plate DOL=1.15) see load cases; 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 12.0 psf or 2.00 times flat roof load of 27.7 psf on overhangs non-concurrent with other live loads.
 - All plates are MT20 plates unless otherwise indicated.
 - 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), 4-13, 6-13
 - Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 10-12
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 8 lb uplift at joint 2 and 8 lb uplift at joint 8.
 - This truss is designed in accordance with the 2009 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
 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=-51, 6-9=-51, 4-6=-10, 4-5=-69, 5-6=-69

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
B0903115	GAM34	GAMBREL ATTIC	10	1	

APM Building Materials, Arendtsville, PA
 ID:W5_O1owCfGQO4ZLNyxh9rHzxpVE-iaeXKYdoziqsayXBs_hARlsgID?wwhif6sNmX3zwwqC7
 7.250 s Nov 19 2010 MiTek Industries, Inc. Mon Jan 10 08:34:46 2011 Page 1
 25-1-12 29-7-12 34-0-0 34-4-8
 0-4-8 4-4-4 8-10-4 16-3-8 4-6-0 4-4-4 0-4-8
 0-4-8 4-4-4 8-10-4 16-3-8 4-6-0 4-4-4 0-4-8

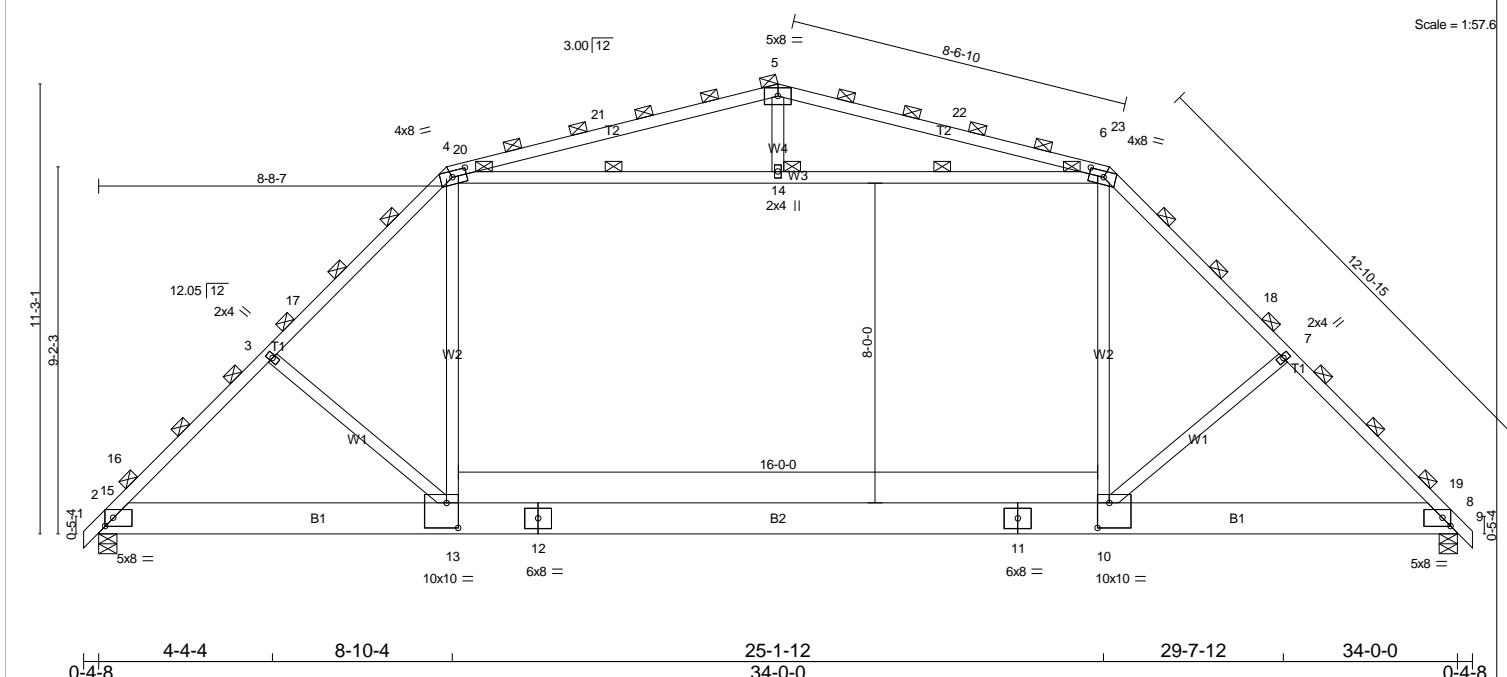


Plate Offsets (X,Y): [4:0-4-5,0-1-14], [6:0-4-5,0-1-14], [10:0-3-8,0-7-8], [13:0-3-8,0-7-8]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 30.0	2-0-0	TC 0.74	in (loc) l/defl L/d	MT20	197/144
TCDL 7.0	Plates Increase 1.15	BC 0.96	Vert(LL) -0.48 10-13 >830 240		
BCLL 0.0	Lumber Increase 1.15	WB 0.35	Vert(TL) -0.62 10-13 >648 180		
BCDL 10.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.04 8 n/a n/a		
	Code IBC2009/TPI2007		Attic -0.41 10-13 478 360	Weight: 241 lb	FT = 20%

LUMBER	BRACING
TOP CHORD 2 X 4 SPF No.2 *Except* T2: 2 X 4 SYP 2400F 2.0E	TOP CHORD 2-0-0 oc purlins (2-9-1 max.)
BOT CHORD 2 X 10 SYP No.1	BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 2 X 4 SPF No.2	WEBS 1 Row at midpt 4-14, 6-14
	JOINTS 1 Brace at Jt(s): 4, 6, 5, 14

REACTIONS (lb/size) 2=2157/0-5-8 (min. 0-2-12), 8=2157/0-5-8 (min. 0-2-12)
 Max Horz 2=182(LC 8)
 Max Uplift 2=11(LC 10), 8=11(LC 10)
 Max Grav 2=2355(LC 2), 8=2355(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-15=-3267/0, 15-16=-3244/0, 3-16=-3140/9, 3-17=-3048/5, 4-17=-2834/30, 6-18=-2834/30, 7-18=-3048/5, 7-19=-3244/9, 8-19=-3267/0,
 4-20=-1669/117, 20-21=-1661/125, 5-21=-1599/134, 5-22=-1599/134, 22-23=-1661/125, 6-23=-1669/117
 BOT CHORD 2-13=0/2195, 12-13=0/2103, 11-12=0/2103, 10-11=0/2103, 8-10=0/2195
 WEBS 4-14=-904/0, 6-14=-904/0, 4-13=0/1350, 6-10=0/1350, 3-13=-281/113, 7-10=-281/113

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 90mph; TCCL=4.2psf; BCCL=6.0psf; h=25ft; B=45ft; L=34ft; 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
 - ** TCCL: ASCE 7-05; Pr=30.0 psf (roof live load; Lumber DOL=1.15 Plate DOL=1.15); Pg=40.0 psf (ground snow); Ps= varies (min. roof snow=21.2 psf Lumber DOL=1.15 Plate DOL=1.15) see load cases; 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 12.0 psf or 2.00 times flat roof load of 27.7 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), 4-14, 6-14
 - Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room, 10-13
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 11 lb uplift at joint 2 and 11 lb uplift at joint 8.
 - This truss is designed in accordance with the 2009 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/ L-2-10d nails.
 - Attic room checked for L360 deflection.

LOAD CASE(S) Standard
 1) Snow: Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 2-13=-20, 10-13=-100, 8-10=-20, 1-4=-56, 6-9=-56, 4-6=-10, 4-5=-69, 5-6=-69

Job	Truss	Truss Type	Qty	Ply	
B0903115	GAM36	GAMBREL ATTIC	10	1	

ID:wgfXfqy5yBozx03yd4FsTvzxpVB-XLu2AwgJ1WKI2Zry5ql6b80L5rTesTYin_k8gqzwqC3
 0-4-8 4-10-4 9-10-4 26-1-12 31-1-12 36-0-0 36-4-8
 0-4-8 4-10-4 5-0-0 16-3-8 5-0-0 4-10-4 0-4-8

Scale = 1:61.1

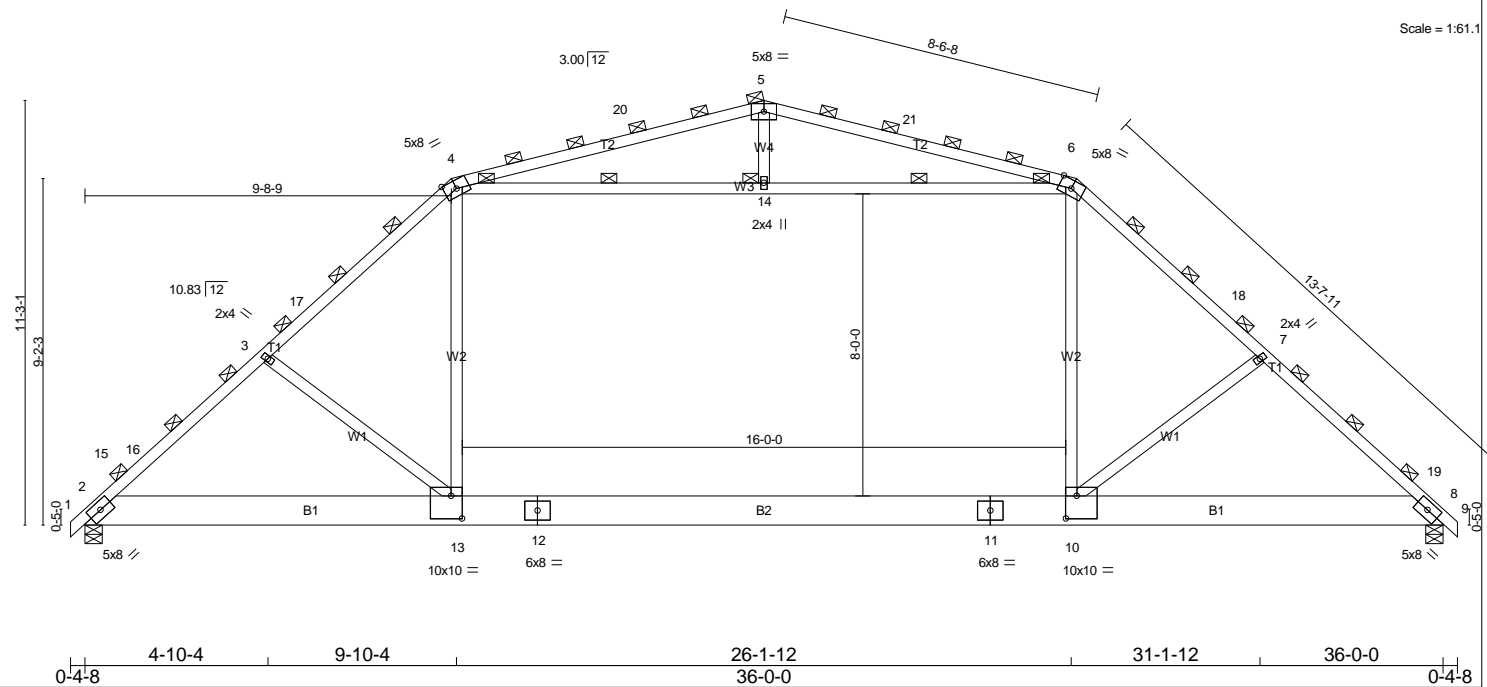


Plate Offsets (X,Y): [4:0-4-0,Edge], [6:0-4-0,Edge], [10:0-3-8,0-7-4], [13:0-3-8,0-7-4]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 30.0	2-0-0	TC 0.78	in (loc) l/defl L/d	MT20	197/144
TCDL 7.0	Plates Increase 1.15	BC 0.53	Vert(LL) -0.48 10-13 >894 240		
BCLL 0.0	Lumber Increase 1.15	WB 0.48	Vert(TL) -0.61 10-13 >704 180		
BCDL 10.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.04 8 n/a n/a		
	Code IBC2009/TPI2007		Attic -0.39 10-13 504 360	Weight: 251 lb	FT = 20%

LUMBER	BRACING
TOP CHORD 2 X 4 SPF No.2 *Except* T2: 2 X 4 SYP 2400F 2.0E	TOP CHORD 2-0-0 oc purlins (2-6-5 max.)
BOT CHORD 2 X 10 SYP 2400F 2.0E	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2 X 4 SPF No.2	WEBS 1 Row at midpt 4-14, 6-14
	JOINTS 1 Brace at Jt(s): 4, 6, 5, 14

REACTIONS (lb/size) 2=2286/0-5-8 (min. 0-2-0), 8=2286/0-5-8 (min. 0-2-0)
 Max Horz 2=177(LC 8)
 Max Uplift 2=14(LC 10), 8=14(LC 10)
 Max Grav 2=2449(LC 2), 8=2449(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-15=-3532/0, 15-16=-3501/3, 3-16=-3405/20, 3-17=-3276/4, 4-17=-3051/30, 6-18=-3051/30, 7-18=-3276/4, 7-19=-3501/20,
 8-19=-3532/0, 4-20=-1681/123, 5-20=-1549/131, 5-21=-1549/131, 6-21=-1681/123
 BOT CHORD 2-13=0/2517, 12-13=0/2369, 11-12=0/2369, 10-11=0/2369, 8-10=0/2517
 WEBS 4-14=-1124/0, 6-14=-1124/0, 4-13=0/1365, 6-10=0/1365, 3-13=-370/118, 7-10=-370/118

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 90mph; TCCL=4.2psf; BCCL=6.0psf; h=25ft; B=45ft; L=36ft; eave=5ft; 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
 - ** TCCL: ASCE 7-05; Pr=30.0 psf (roof live load; Lumber DOL=1.15 Plate DOL=1.15); Pg=40.0 psf (ground snow); Ps= varies (min. roof snow=23.8 psf Lumber DOL=1.15 Plate DOL=1.15) see load cases; 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 12.0 psf or 2.00 times flat roof load of 27.7 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), 4-14, 6-14
 - Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room, 10-13
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 14 lb uplift at joint 2 and 14 lb uplift at joint 8.
 - This truss is designed in accordance with the 2009 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
 1) Snow: Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 2-13=-20, 10-13=-100, 8-10=-20, 1-4=-62, 6-9=-62, 4-6=-10, 4-5=-69, 5-6=-69

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
B0903115	GAM38	GAMBREL ATTIC	10	1	

APM Building Materials, Arendtsville, PA 7.250 s Nov 19 2010 MiTek Industries, Inc. Mon Jan 10 08:34:54 2011 Page 1

0-4-8	5-4-4	10-10-4	27-1-12	32-7-12	38-0-0	38-4-8
0-4-8	5-4-4	5-6-0	16-3-8	5-6-0	5-4-4	0-4-8

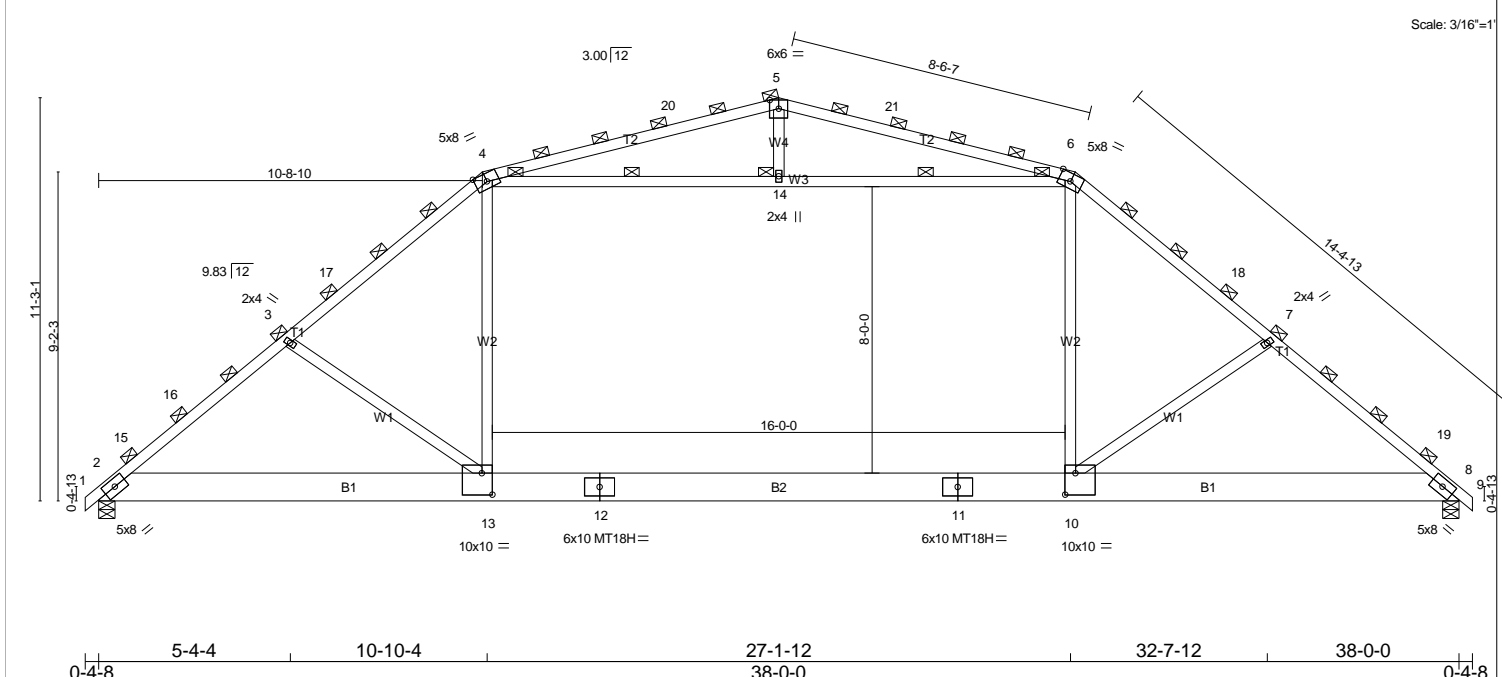


Plate Offsets (X,Y): [4:0-4-0,Edge], [6:0-4-0,Edge], [10:0-3-8,0-7-4], [13:0-3-8,0-7-4]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 30.0	2-0-0	TC 0.88	in (loc) l/defl L/d	MT20	197/144
TCDL 7.0	Plates Increase 1.15	BC 0.81	Vert(LL) -0.56 10-13 >803 240	MT18H	244/190
BCLL 0.0	Lumber Increase 1.15	WB 0.66	Vert(TL) -0.71 10-13 >638 180		
BCDL 10.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.05 8 n/a n/a		
	Code IBC2009/TPI2007		Attic -0.45 10-13 431 360		
				Weight: 262 lb	FT = 20%

LUMBER	BRACING
TOP CHORD 2 X 4 SPF No.2 *Except* T2: 2 X 4 SYP 2400F 2.0E	TOP CHORD 2-0-0 oc purlins (2-2-0 max.)
BOT CHORD 2 X 10 SYP 2400F 2.0E *Except* B2: 2 X 10 SYP No.1	BOT CHORD Rigid ceiling directly applied or 9-0-0 oc bracing.
WEBS 2 X 4 SPF No.2	WEBS 1 Row at midpt 4-14, 6-14
	JOINTS 1 Brace at Jt(s): 4, 6, 5, 14

REACTIONS (lb/size) 2=2420/0-5-8 (min. 0-2-2), 8=2420/0-5-8 (min. 0-2-2)
 Max Horz 2=173(LC 8)
 Max Uplift 2=16(LC 10), 8=16(LC 10)
 Max Grav 2=2543(LC 2), 8=2543(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-15=-3839/7, 15-16=-3802/16, 3-16=-3711/31, 3-17=-3537/2, 4-17=-3303/29, 6-18=-3303/29,
 7-18=-3537/2, 7-19=-3711/31, 8-19=-3839/7, 4-20=-1694/120, 5-20=-1561/129, 5-21=-1561/129,
 6-21=-1694/120
 BOT CHORD 2-13=0/2866, 12-13=0/2661, 11-12=0/2661, 10-11=0/2661, 8-10=0/2866
 WEBS 4-14=-1373/0, 6-14=-1373/0, 4-13=0/1388, 6-10=0/1390, 3-13=-467/126, 7-10=-467/126

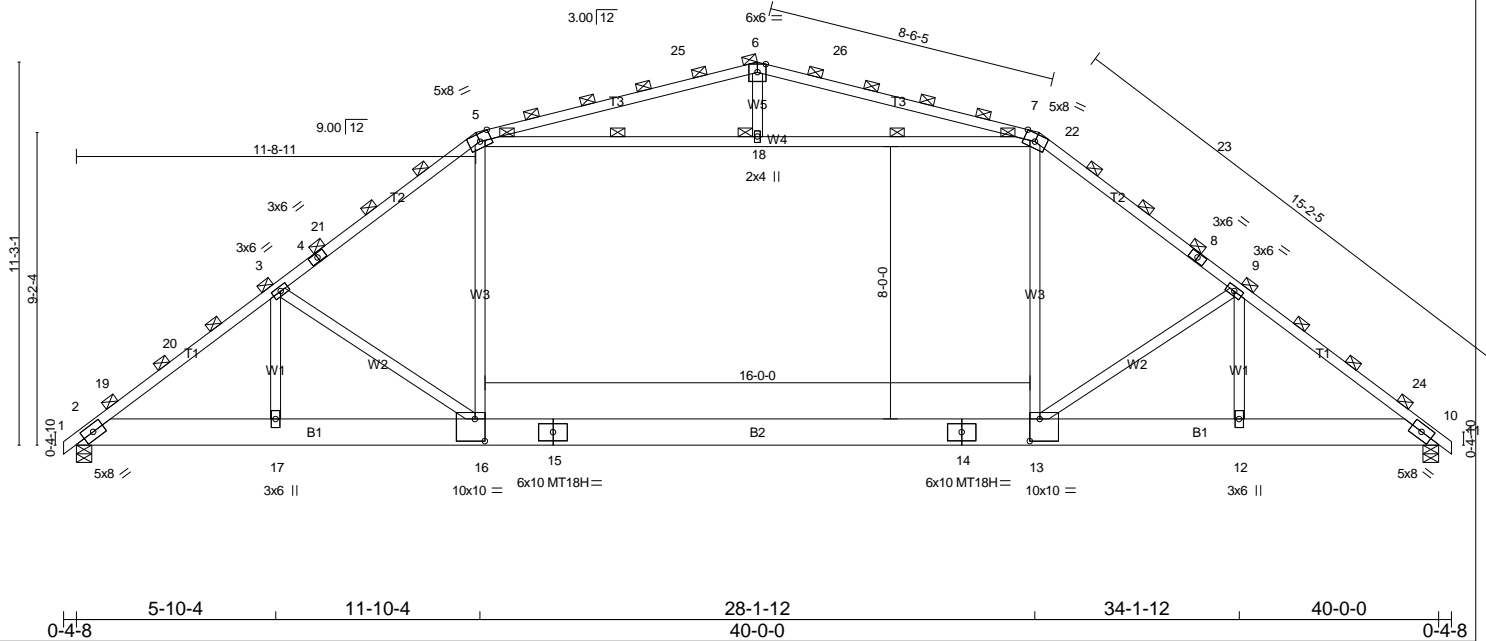
- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 90mph; TCCL=4.2psf; BCCL=6.0psf; h=25ft; B=45ft; L=38ft; eave=5ft; Cat. II; Exp B; enclosed; MWFRS (all heights); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - ** TCCL: ASCE 7-05; Pr=30.0 psf (roof live load); Lumber DOL=1.15 Plate DOL=1.15; Pg=40.0 psf (ground snow); Ps= varies (min. roof snow=26.2 psf Lumber DOL=1.15 Plate DOL=1.15) see load cases; 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 12.0 psf or 2.00 times flat roof load of 27.7 psf on overhangs non-concurrent with other live loads.
 - All plates are MT20 plates unless otherwise indicated.
 - 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). 4-14, 6-14
 - Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 10-13
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 16 lb uplift at joint 2 and 16 lb uplift at joint 8.
 - This truss is designed in accordance with the 2009 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
 1) Snow: Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 2-13=-20, 10-13=-100, 8-10=-20, 1-4=-66, 6-9=-66, 4-6=-10, 4-5=-69, 5-6=-69

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
B0903115	GAM40	GAMBREL ATTIC	10	1	

APM Building Materials, Arendtsville, PA
 ID: D0aA7D2UILgzG55IY2tVFOzxpV4-luM3rfmK8_L90oSUZVv_wqMjV3AYk_ztdEgaxMzwqBx
 7.250 s Nov 19 2010 MITek Industries, Inc. Mon Jan 10 08:34:58 2011 Page 1
 0-4-8 5-10-4 11-10-4 28-1-12 34-1-12 40-0-0 40-4-8
 0-4-8 5-10-4 6-0-0 16-3-8 6-0-0 5-10-4 0-4-8

Scale = 1:67.6



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 30.0	2-0-0	TC 0.75	in (loc) l/defl L/d	MT20	197/144
TCDL 7.0	Plates Increase 1.15	BC 0.65	Vert(LL) -0.49 13-16 >960 240	MT18H	244/190
BCLL 0.0	Lumber Increase 1.15	WB 0.90	Vert(TL) -0.64 13-16 >736 180		
BCDL 10.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.06 10 n/a n/a		
	Code IBC2009/TPI2007		Attic -0.38 13-16 513 360		
				Weight: 285 lb	FT = 20%

LUMBER	BRACING
TOP CHORD 2 X 4 SYP 2400F 2.0E *Except* T1: 2 X 4 SPF No.2	TOP CHORD 2-0-0 oc purlins (2-7-2 max.).
BOT CHORD 2 X 10 SYP 2400F 2.0E *Except* B2: 2 X 10 SYP No.1	BOT CHORD Rigid ceiling directly applied or 8-8-5 oc bracing.
WEBS 2 X 4 SPF No.2	WEBS 1 Row at midpt 5-18, 7-18
	JOINTS 1 Brace at Jt(s): 5, 7, 6, 18

REACTIONS (lb/size) 2=2544/0-5-8 (min. 0-2-3), 10=2544/0-5-8 (min. 0-2-3)
 Max Horz 2=-170(LC 8)
 Max Uplift 2=-19(LC 10), 10=-19(LC 10)
 Max Grav 2=2637(LC 2), 10=2637(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-19=-3820/4, 19-20=-3693/15, 3-20=-3691/29, 3-4=-3839/5, 4-21=-3766/10, 5-21=-3601/32,
 7-22=-3575/32, 22-23=-3601/29, 8-23=-3766/10, 8-9=-3839/5, 9-24=-3693/29, 10-24=-3820/4,
 5-25=-1706/119, 6-25=-1573/127, 6-26=-1573/127, 7-26=-1706/119
 BOT CHORD 2-17=0/2956, 16-17=0/2956, 15-16=0/2987, 14-15=0/2987, 13-14=0/2987, 12-13=0/2956, 10-12=0/2956
 WEBS 5-18=-1637/0, 7-18=-1637/0, 5-16=0/1463, 7-13=0/1462, 3-17=-775/129, 9-12=-775/129, 3-16=-417/589,
 9-13=-417/589

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 90mph; TCCL=4.2psf; BCCL=6.0psf; h=25ft; B=45ft; L=40ft; eave=5ft; 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
 - ** TCCL: ASCE 7-05; Pr=30.0 psf (roof live load; Lumber DOL=1.15 Plate DOL=1.15); Pg=40.0 psf (ground snow); Ps= varies (min. roof snow=27.7 psf Lumber DOL=1.15 Plate DOL=1.15) see load cases; 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 12.0 psf or 2.00 times flat roof load of 27.7 psf on overhangs non-concurrent with other live loads.
 - All plates are MT20 plates unless otherwise indicated.
 - 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), 5-18, 7-18
 - Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room, 13-16
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 19 lb uplift at joint 2 and 19 lb uplift at joint 10.
 - This truss is designed in accordance with the 2009 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
 1) Snow: Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 2-16=-20, 13-16=-100, 10-13=-20, 1-5=-69, 7-11=-69, 5-7=-10, 5-6=-69, 6-7=-69