Job	Truss	Truss Type	Qty	Ply	WILKERSON# 24X48 DC
24X48	A1	GABLE	2	1	
					Job Reference (optional)

Scale = 1:60.7

Plate Offsets (X,Y): [L:0-3-8,0-6-12], [N:0-3-8,0-6-12]

LOADING (psf)	SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0	Plates Increase	1.15	TC	0.68	Vert(LL)	-0.35	L-N	>807	240	MT20	185/148
(Roof Snow=25.0)	Lumber Increase	1.15	BC	0.50	Vert(TL)	-0.57	L-N	>496	180		
TCDL 7.0	Rep Stress Incr	YES	WB	0.47	Horz(TL)	0.02	J	n/a	n/a		
BCLL 0.0 *	Code IRC2009/TPI2007		(Matrix)		Attic	-0.16	L-N	900	360		
BCDL 10.0										Weight: 211 lb	FT = 12%

LUMBER
TOP CHORD 2 X 6 DF SS
BOT CHORD 2 X 10 DF SS
WEBS   2 X 4 HF Stud
OTHERS   2 X 4 HF Stud

BRACING
TOP CHORD   Structural wood sheathing directly applied or 4-2-11 oc purlins.
BOT CHORD   Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS   1 Brace at Jt(s): O

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

REACTIONS (lb/size)   B=1725/0-5-8 (min. 0-1-13), J=1725/0-5-8 (min. 0-1-13)
        Max Horz B=342(LC 7)
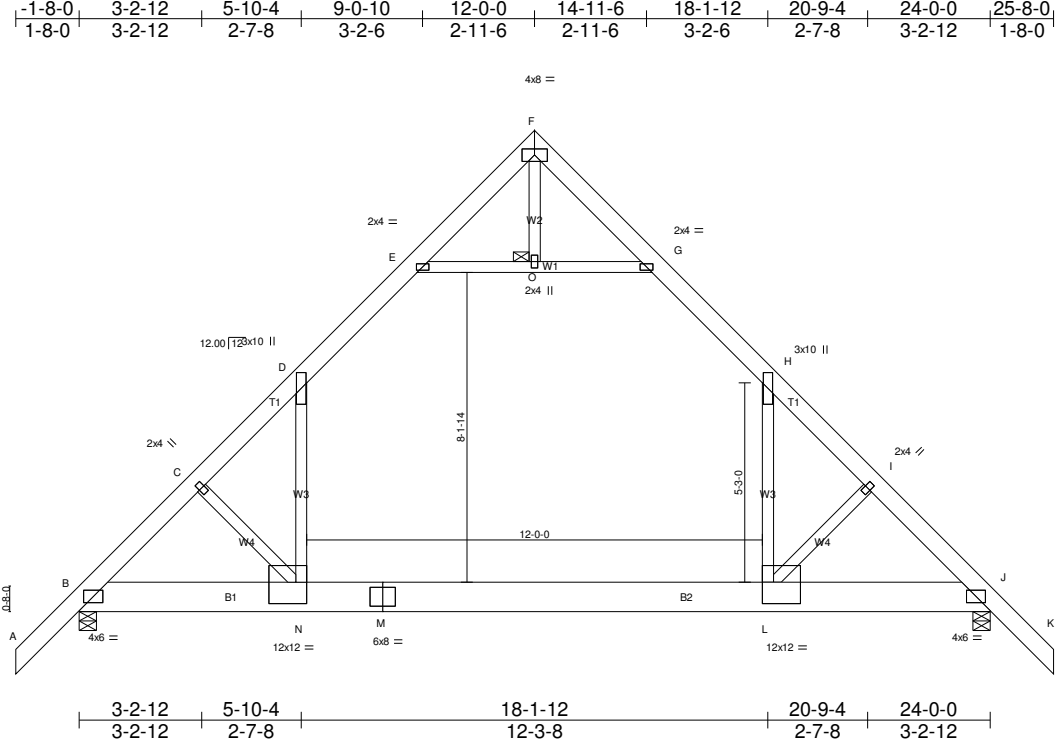   Max UpliftB=-143(LC 8), J=-143(LC 9)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD   A-B=0/81, B-C=-2186/84, C-D=-2091/104, D-E=-1142/171, E-F=-45/254, F-G=-46/254, G-H=-1142/171, H-I=-2091/103, I-J=-2186/83, J-K=0/81
BOT CHORD   B-N=-16/1504, M-N=0/1159, L-M=0/1159, J-L=0/1504
WEBS   E-O=-1484/185, G-O=-1484/185, D-N=0/1236, H-L=0/1236, C-N=-515/155, I-L=-515/157, F-O=0/62

NOTES
1) Wind: ASCE 7-05; 85mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Interior(1) zone; cantilever
   left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as
   applicable, or consult qualified building designer as per ANSI/TPI 1.
3) TCLL: ASCE 7-05; Pf=25.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.1
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
6) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the
   fabricator to increase plate sizes to account for these factors.
7) All plates are 2x4 MT20 unless otherwise indicated.
8) Gable studs spaced at 2-0-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * 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.
11) Ceiling dead load (5.0 psf) on member(s). D-E, G-H, E-O, G-O
12) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. L-N
13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 143 lb uplift at joint B and 143 lb uplift at joint J.
14) 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.
15) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	WILKERSON# 24X48 DC
24X48	A2	ATTIC	10	1	Job Reference (optional)

BMC, EVERETT, WA 98205-3212

7.250 s May 11 2011 MiTek Industries, Inc. Tue Oct 25 12:45:43 2011 Page 1
ID:oWCIXq9ePlzHDjjC5LaIJ5yPtHh-S7I7QZQ5tW1YR3YBSwAmeXZ2?R1E?LrQoJhCxEyPrCM

Scale = 1:60.7

Plate Offsets (X,Y): [L:0-3-8,0-6-12], [N:0-3-8,0-6-12]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plates Increase	1.15	TC	0.68	Vert(LL)	-0.35	L-N	>807	240	MT20	185/148
(Roof Snow=25.0)		Lumber Increase	1.15	BC	0.50	Vert(TL)	-0.57	L-N	>496	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.47	Horz(TL)	0.02	J	n/a	n/a		
BCLL	0.0 *	Code IRC2009/TPI2007		(Matrix)		Attic	-0.16	L-N	900	360		
BCDL	10.0										Weight: 201 lb	FT = 12%

LUMBER
TOP CHORD 2 X 6 DF SS
BOT CHORD 2 X 10 DF SS
WEBS   2 X 4 HF Stud

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-2-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS   1 Brace at Jt(s): O

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

REACTIONS (lb/size) B=1725/0-5-8 (min. 0-1-13), J=1725/0-5-8 (min. 0-1-13)
              Max Horz B=-342(LC 6)
              Max UpliftB=-143(LC 8), J=-143(LC 9)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD   A-B=0/81, B-C=-2186/84, C-D=-2091/104, D-E=-1142/171, E-F=-45/254, F-G=-46/254, G-H=-1142/171, H-I=-2091/103, I-J=-2186/83, J-K=0/81
BOT CHORD   B-N=-16/1504, M-N=0/1159, L-M=0/1159, J-L=0/1504
WEBS   E-O=-1484/185, G-O=-1484/185, D-N=0/1236, H-L=0/1236, C-N=-515/155, I-L=-515/157, F-O=0/62
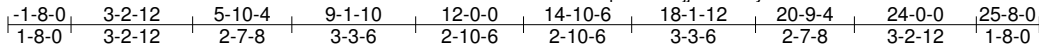
NOTES
1) Wind: ASCE 7-05; 85mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-05; Pf=25.0 psf (flat roof snow); Category II; Exp C; Partially 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 12.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
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 (5.0 psf) on member(s). D-E, G-H, E-O, G-O
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. L-N
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 143 lb uplift at joint B and 143 lb uplift at joint J.
11) 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.
12) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	**Ply**	WILKERSON# 24X48 DC
24X48	A3	ATTIC	6	**3**	
BMC, EVERETT, WA 98205-3212					Job Reference (optional)

7.250 s May 11 2011 MiTek Industries, Inc. Tue Oct 25 12:45:43 2011 Page 1
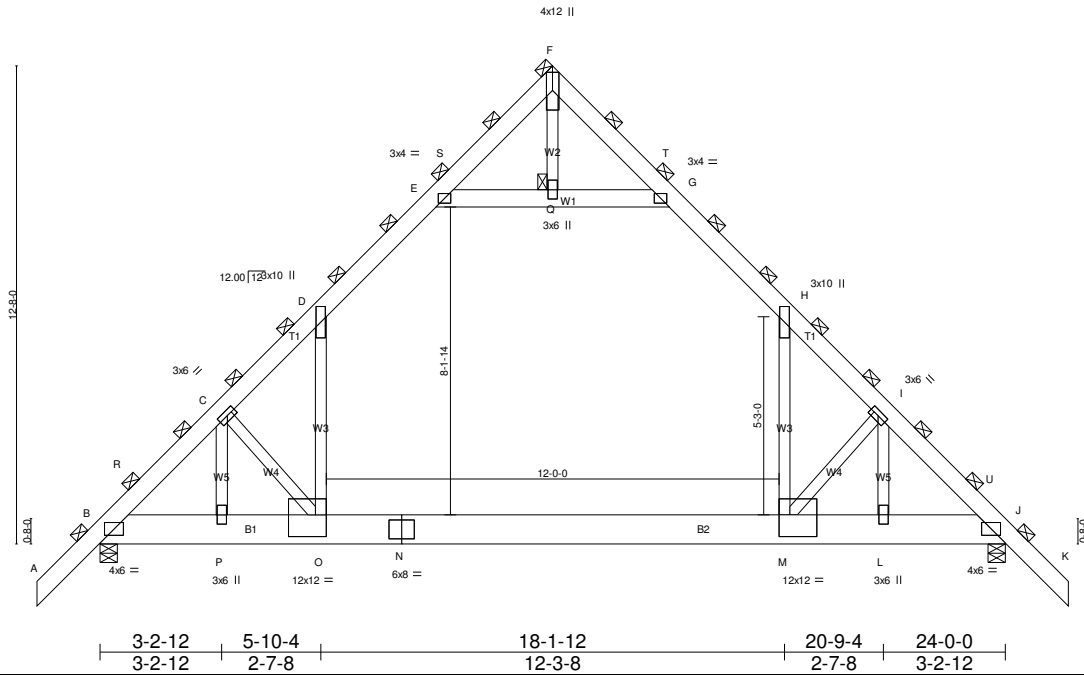ID:oWCIXq9ePlzHDjjC5LaIJ5yPtHh-S7I7QZQ5tW1YR3YBSwAmeXZz7R00?KXQoJhCxEyPrCM

Scale = 1:61.1

Plate Offsets (X,Y): [M:0-3-8,0-7-0], [O:0-3-8,0-7-0]

LOADING (psf)		SPACING	4-9-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plates Increase	1.15	TC	0.99	Vert(LL)	-0.39	M-O	>726	240	MT20	185/148
(Roof Snow=25.0)		Lumber Increase	1.15	BC	0.51	Vert(TL)	-0.63	M-O	>445	180		
TCDL	7.0	Rep Stress Incr	NO	WB	0.56	Horz(TL)	0.02	J	n/a	n/a		
BCLL	0.0 *	Code IRC2009/TPI2007		(Matrix)		Attic	-0.15	M-O	966	360		
BCDL	10.0										Weight: 639 lb	FT = 12%

LUMBER
TOP CHORD 2 X 6 DF SS
BOT CHORD 2 X 10 DF SS
WEBS 2 X 4 HF Stud *Except*
W1: 2 X 6 DF SS

BRACING
TOP CHORD 2-0-0 oc purlins (6-0-0 max.)
(Switched from sheeted: Spacing > 2-0-0).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): F, Q

REACTIONS (lb/size) B=7595/0-5-8 (min. 0-2-11), J=7727/0-5-8 (min. 0-2-12)
Max Horz B=811(LC 6)
Max UpliftB=-644(LC 7), J=-670(LC 8)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=0/193, B-R=-8632/537, C-R=-7988/503, C-D=-8502/642, D-E=-4805/652, E-S=-70/670, F-S=-65/847, F-T=-65/847, G-T=-70/670, G-H=-4804/652, H-I=-8504/642, I-U=-8002/498, J-U=-8717/548, J-K=0/193
BOT CHORD B-P=-375/5961, O-P=-375/5958, N-O=-20/4627, M-N=-20/4627, L-M=-184/5972, J-L=-185/5975
WEBS E-Q=-5976/698, G-Q=-5976/698, D-O=0/4420, H-M=0/4424, C-P=-858/472, I-L=-838/489, C-O=-2255/553, I-M=-2278/566, F-Q=-34/583

NOTES
1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 6 - 2 rows at 0-9-0 oc.
Bottom chords connected as follows: 2 X 10 - 2 rows at 0-9-0 oc.
Webs connected as follows: 2 X 6 - 2 rows at 0-9-0 oc, 2 X 4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-05; 85mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
4) TCLL: ASCE 7-05; Pf=25.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.1
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
7) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * 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.
10) Ceiling dead load (5.0 psf) on member(s). D-E, G-H, E-Q, G-Q
11) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. M-O
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 644 lb uplift at joint B and 670 lb uplift at joint J.
13) 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.
14) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard
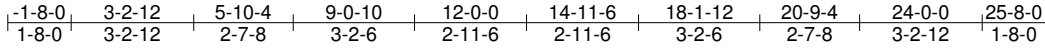1) Snow: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: B-O=-273, M-O=-261, J-M=-273, A-R=-152, F-S=-152, F-T=-152, J-U=-329(F=-177), J-K=-152, E-G=-132(F=-108)
Trapezoidal Loads (plf)
Vert: R=-409(F=-257)-to-D=-369(F=-217), D=-393(F=-217)-to-E=-368(F=-193), E=-345(F=-193)-to-S=-339(F=-187), T=-339(F=-187)-to-G=-345(F=-193), G=-368(F=-193)-to-H=-393(F=-217), H=-369(F=-217)-to-U=-409(F=-257)

Job	Truss	Truss Type	Qty	**Ply**	WILKERSON# 24X48 DC
24X48	A4	ATTIC	1	**2**	Job Reference (optional)

BMC, EVERETT, WA 98205-3212
7.250 s May 11 2011 MiTek Industries, Inc. Tue Oct 25 12:45:44 2011 Page 1
ID:oWCIXq9ePlzHDjjC5LalJ5yPtHh-wJsVdvRjeq9P3C7N0eh?Bl6BprM8kohZ1zRlUgyPrCL
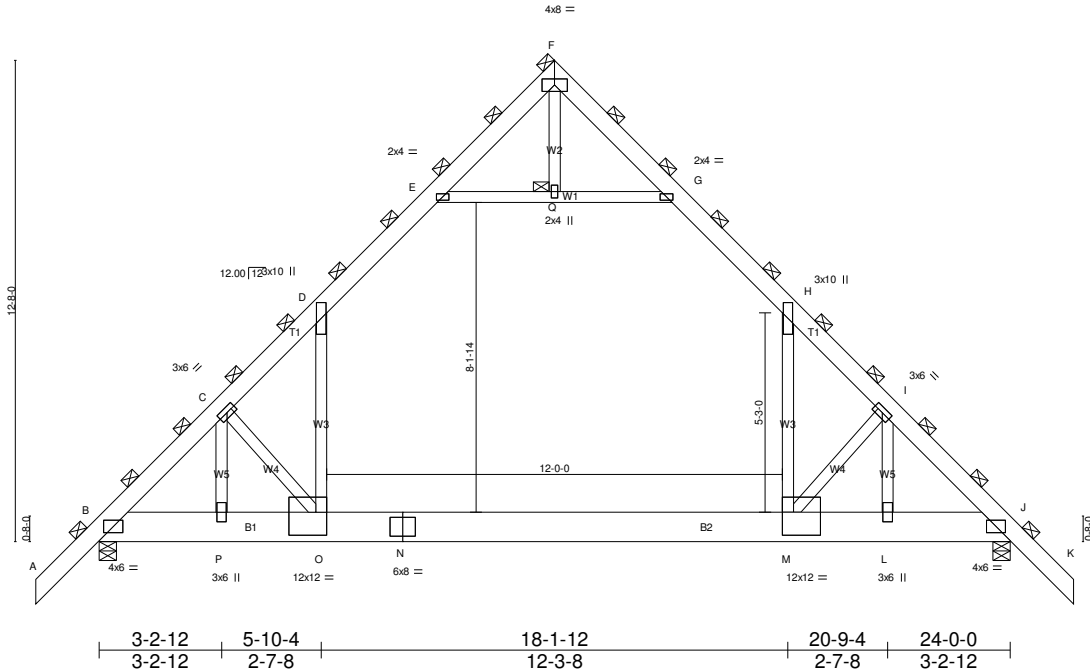
Scale = 1:60.7

Plate Offsets (X,Y): [M:0-3-8,0-7-4], [O:0-3-8,0-7-4]

LOADING (psf)
TCLL   25.0
(Roof Snow=25.0)
TCDL   7.0
BCLL   0.0 *
BCDL   10.0

SPACING   4-0-0
Plates Increase   1.15
Lumber Increase   1.15
Rep Stress Incr   NO
Code IRC2009/TPI2007

CSI
TC   0.80
BC   0.52
WB   0.50
(Matrix)

DEFL   in   (loc)   l/defl   L/d
Vert(LL)   -0.33   M-O   >846   240
Vert(TL)   -0.55   M-O   >517   180
Horz(TL)   0.02   J   n/a   n/a
Attic   -0.15   M-O   989   360

PLATES   **GRIP**
MT20   185/148

Weight: 414 lb   FT = 12%

LUMBER
TOP CHORD 2 X 6 DF SS
BOT CHORD 2 X 10 DF SS
WEBS   2 X 4 HF Stud

BRACING
TOP CHORD   2-0-0 oc purlins (6-0-0 max.)
             (Switched from sheeted: Spacing > 2-0-0).
BOT CHORD   Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS   1 Brace at Jt(s): F, Q

REACTIONS (lb/size) B=3450/0-5-8 (min. 0-1-13), J=3450/0-5-8 (min. 0-1-13)
Max Horz B=-683(LC 6)
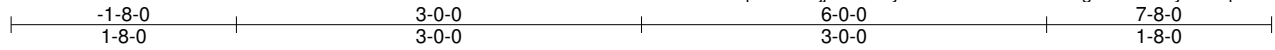Max UpliftB=-286(LC 8), J=-286(LC 9)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD   A-B=0/162, B-C=-3874/120, C-D=-4286/217, D-E=-2301/341, E-F=-86/506, F-G=-87/506, G-H=-2301/341, H-I=-4286/216, I-J=-3874/114, J-K=0/162
BOT CHORD   B-P=-175/2688, O-P=-177/2684, N-O=0/2343, M-N=0/2343, L-M=0/2684, J-L=0/2688
WEBS   E-Q=-2996/368, G-Q=-2996/368, D-O=0/2629, H-M=0/2629, C-P=-1158/340, I-L=-1158/355, C-O=-678/411, I-M=-678/424, F-Q=0/124

NOTES
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
   Top chords connected as follows: 2 X 6 - 2 rows at 0-9-0 oc.
   Bottom chords connected as follows: 2 X 10 - 2 rows at 0-9-0 oc.
   Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been
   provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-05; 85mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Interior(1) zone; cantilever
   left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
4) TCLL: ASCE 7-05; Pf=25.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.1
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
7) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the
   fabricator to increase plate sizes to account for these factors.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * 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.
10) Ceiling dead load (5.0 psf) on member(s). D-E, G-H, E-Q, G-Q
11) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. M-O
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 286 lb uplift at joint B and 286 lb uplift at joint J.
13) 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.
14) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
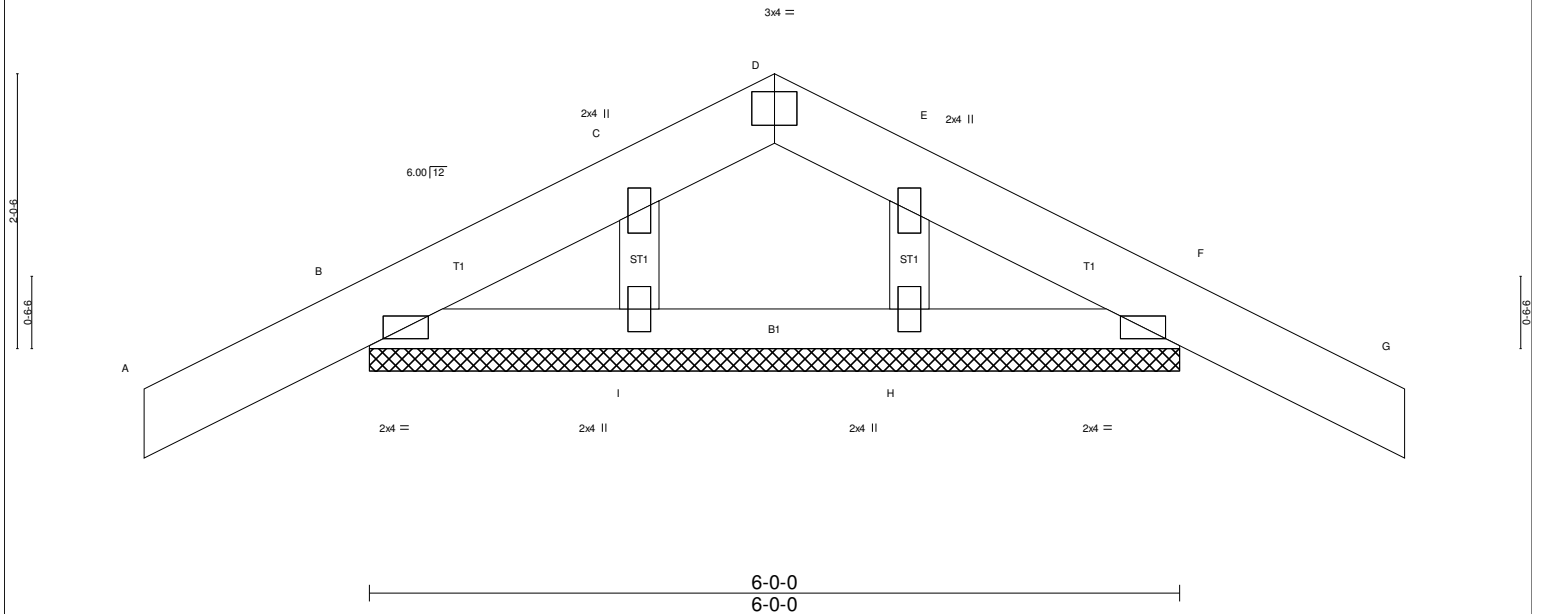15) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	WILKERSON# 24X48 DC
24X48	B1	GABLE	6	1	
					Job Reference (optional)

BMC, EVERETT, WA 98205-3212

7.250 s May 11 2011 MiTek Industries, Inc. Tue Oct 25 12:45:45 2011 Page 1
ID:oWCIXq9ePlzHDjjC5LaIJ5yPtHh-OVQtrFRMP8HGgMiZaLCEkyfYPFq1TMUiGdAJ07yPrCK

-1-8-0 3-0-0 6-0-0 7-8-0
1-8-0 3-0-0 3-0-0 1-8-0

Scale = 1:17.1

3x4 =

D

2x4 ||
C

E 2x4 ||

6.00 [12

2-0-6

0-6-6

B T1 ST1 ST1 T1 F

0-6-6

B1

A I H G

2x4 = 2x4 || 2x4 || 2x4 =

6-0-0
6-0-0

LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES GRIP
TCLL 25.0	Plates Increase 1.15	TC 0.05	Vert(LL) -0.01 G n/r 180	MT20 185/148
(Roof Snow=25.0)	Lumber Increase 1.15	BC 0.03	Vert(TL) -0.01 G n/r 180	
TCDL 7.0	Rep Stress Incr YES	WB 0.01	Horz(TL) 0.00 F n/a n/a	
BCLL 0.0 *	Code IRC2009/TPI2007	(Matrix)		
BCDL 10.0				Weight: 32 lb FT = 12%

LUMBER
TOP CHORD 2 X 6 DF SS
BOT CHORD 2 X 4 HF No.2
OTHERS 2 X 4 HF Stud

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS (lb/size) B=254/6-0-0 (min. 0-1-8), F=254/6-0-0 (min. 0-1-8), I=105/6-0-0 (min. 0-1-8), H=105/6-0-0 (min. 0-1-8)
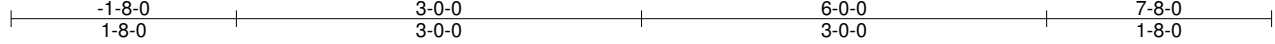Max Horz B=41(LC 8)
Max UpliftB=-134(LC 8), F=-142(LC 9)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=0/41, B-C=-106/68, C-D=-71/58, D-E=-71/58, E-F=-106/68, F-G=0/41
BOT CHORD B-I=0/47, H-I=0/47, F-H=0/47
WEBS C-I=-61/39, E-H=-61/39

NOTES
1) Wind: ASCE 7-05; 85mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) TCLL: ASCE 7-05; Pf=25.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.1
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
6) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
7) Gable requires continuous bottom chord bearing.
8) Gable studs spaced at 2-0-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * 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.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 134 lb uplift at joint B and 142 lb uplift at joint F.
12) 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.
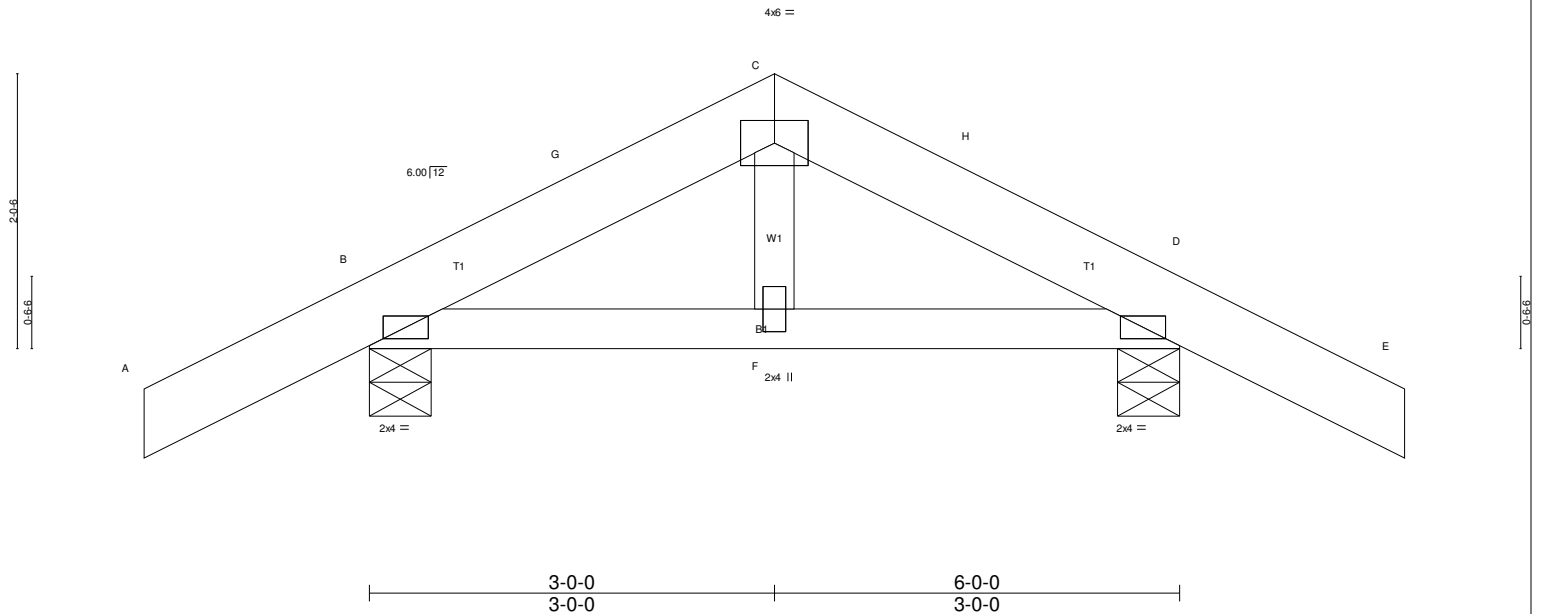
LOAD CASE(S) Standard

BMC, EVERETT, WA 98205-3212

-1-8-0 3-0-0 6-0-0 7-8-0
1-8-0 3-0-0 3-0-0 1-8-0

Scale = 1:17.1

6.00 | 12

3-0-0 6-0-0
3-0-0 3-0-0

LOADING (psf)	SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0	Plates Increase	1.15	TC	0.06	Vert(LL)	-0.00	B-F	>999	240	MT20	185/148
(Roof Snow=25.0)	Lumber Increase	1.15	BC	0.08	Vert(TL)	-0.01	B-F	>999	180		
TCDL 7.0	Rep Stress Incr	YES	WB	0.05	Horz(TL)	0.00	D	n/a	n/a		
BCLL 0.0 *	Code IRC2009/TPI2007		(Matrix)							Weight: 32 lb	FT = 12%
BCDL 10.0											

LUMBER
TOP CHORD 2 X 6 DF SS
BOT CHORD 2 X 4 HF No.2
WEBS   2 X 4 HF Stud

BRACING
TOP CHORD   Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD   Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS (lb/size) B=354/0-5-8 (min. 0-1-8), D=354/0-5-8 (min. 0-1-8)
       Max Horz B=41(LC 8)
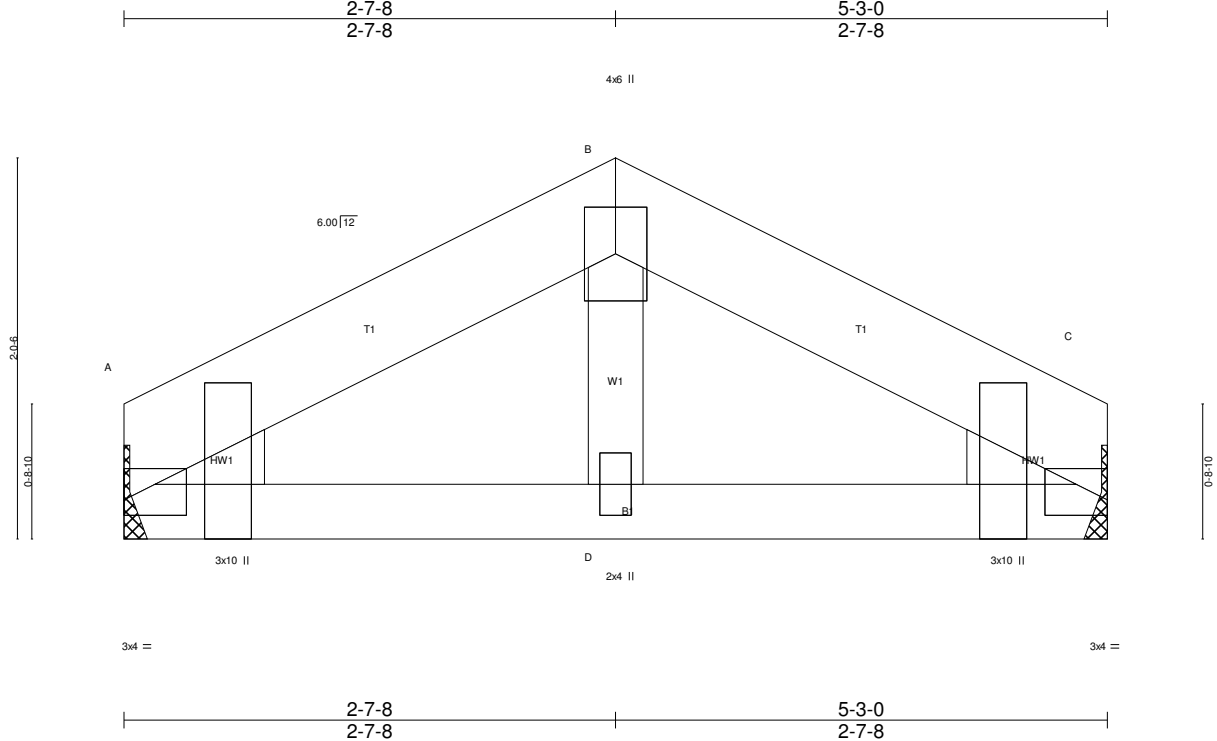   Max UpliftB=-130(LC 8), D=-130(LC 9)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD   A-B=0/42, B-G=-225/0, C-G=-159/0, C-H=-159/0, D-H=-225/0, D-E=0/42
BOT CHORD   B-F=0/137, D-F=0/137
WEBS   C-F=0/136

NOTES
1) Wind: ASCE 7-05; 85mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-05; Pf=25.0 psf (flat roof snow); Category II; Exp C; Partially 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 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 130 lb uplift at joint B and 130 lb uplift at joint D.
9) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	WILKERSON# 24X48 DC
24X48	B3	Common Truss	12	1	
					Job Reference (optional)

Scale = 1:12.3

Plate Offsets (X,Y): [A:0-0-0,0-1-0], [A:0-2-8,Edge], [C:0-0-0,0-1-0], [C:0-2-8,Edge]

LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES GRIP
TCLL 25.0	Plates Increase 1.15	TC 0.03	Vert(LL) -0.00 D >999 240	MT20 185/148
(Roof Snow=25.0)	Lumber Increase 1.15	BC 0.07	Vert(TL) -0.00 A-D >999 180	
TCDL 7.0	Rep Stress Incr YES	WB 0.04	Horz(TL) 0.00 C n/a n/a	
BCLL 0.0 *	Code IRC2009/TPI2007	(Matrix)		
BCDL 10.0				Weight: 22 lb FT = 12%

LUMBER
TOP CHORD 2 X 6 DF SS
BOT CHORD 2 X 4 HF No.2
WEBS   2 X 4 HF Stud
WEDGE
Left: 2 X 4 HF Stud, Right: 2 X 4 HF Stud

BRACING
TOP CHORD   Structural wood sheathing directly applied or 5-3-0 oc purlins.
BOT CHORD   Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS (lb/size) A=215/Mechanical, C=215/Mechanical
            Max Horz A=-19(LC 4)
            Max UpliftA=-33(LC 6), C=-33(LC 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD   A-B=-244/30, B-C=-244/29
BOT CHORD   A-D=0/176, C-D=0/176
WEBS   B-D=0/125

NOTES
1) Wind: ASCE 7-05; 85mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-05; Pf=25.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.1
3) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * 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.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 33 lb uplift at joint A and 33 lb uplift at joint C.
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.

LOAD CASE(S) Standard