Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	AT02	Attic	5	1	Job Reference (optional)

Run: 8.22 S Sep 9 2018 Print: 8.230 S Jan 20 2019 MiTek Industries, Inc. Thu Jan 31 13:48:39 Page: 1
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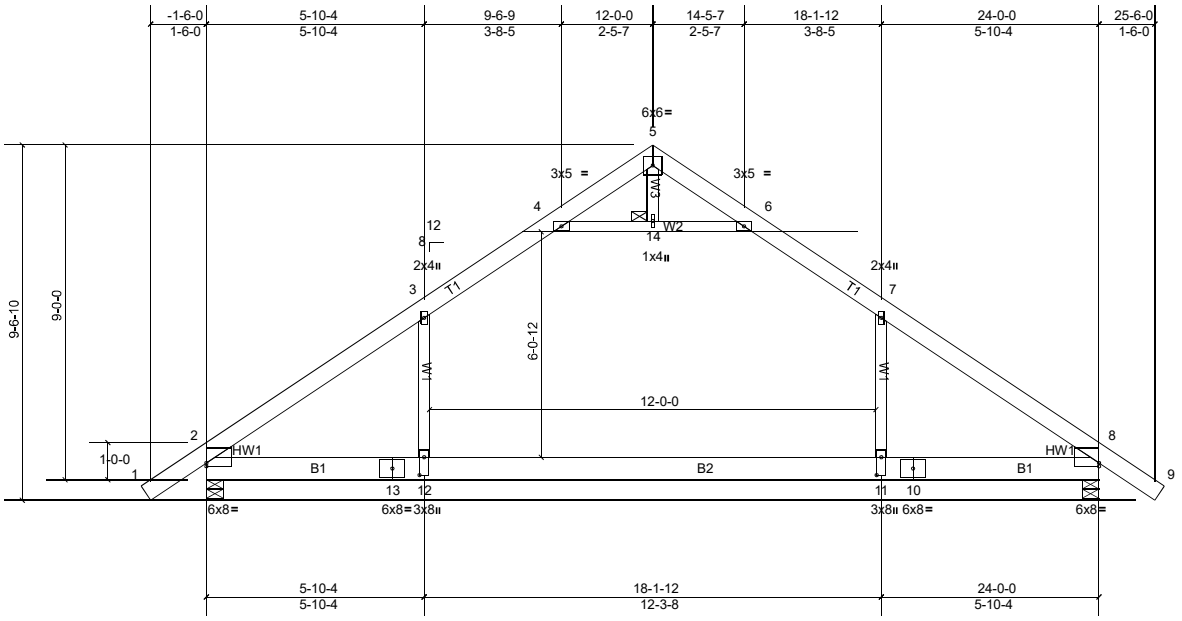


Scale = 1:61.9

Plate Offsets (X, Y): [2:Edge,0-1-1], [8:Edge,0-1-1], [11:0-5-12,0-1-8], [12:0-5-12,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.59	Vert(LL)	-0.46	11-12	>610	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.52	Vert(TL)	-0.67	11-12	>422	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.32	Horiz(TL)	0.03	8	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S		Attic	-0.26	11-12	>568	360		
BCDL	8.0										Weight: 138 lb	FT = 0%

LUMBER

TOP CHORD	2x6 SPF 2100F 1.8E
BOT CHORD	2x8 HF 1950F 1.7E
WEBS	2x4 DF Stud
WEDGE	Left: 2x4 DF Stud Right: 2x4 DF Stud

BRACING

TOP CHORD	Structural wood sheathing directly applied or 5-1-12 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 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) 2=1667/0-5-8, (min. 0-2-3), 8=1667/0-5-8, (min. 0-2-3)
Max Horiz 2=-176 (LC 6)
Max Uplift 2=-83 (LC 8), 8=-83 (LC 9)
Max Grav 2=1771 (LC 17), 8=1771 (LC 18)

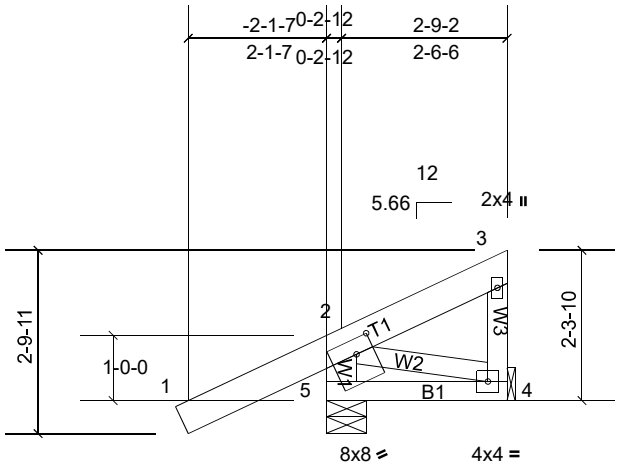
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2329/60, 3-4=-1637/114, 4-5=-43/409, 5-6=-43/409, 6-7=-1636/114, 7-8=-2329/59
BOT CHORD 2-13=0/1628, 12-13=0/1628, 11-12=0/1628, 10-11=0/1628, 8-10=0/1628
WEBS 7-11=0/826, 3-12=0/826, 4-14=-2041/123, 6-14=-2041/123

NOTES

1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 45.0 psf on overhangs non-concurrent with other live loads.
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 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
6) Ceiling dead load (5.0 psf) on member(s). 3-4, 6-7, 4-14, 6-14
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 11-12
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 83 lb uplift at joint 2 and 83 lb uplift at joint 8.
9) 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.
10) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	CJ01	Diagonal Hip Girder	1	1	Job Reference (optional)



Scale = 1:35.3

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.32	Vert(LL)	0.00	4-5	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.03	Vert(TL)	0.00	4-5	>999	180		
TCDL	7.0	Rep Stress Incr	NO	WB	0.02	Horiz(TL)	0.00	4	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-P								
BCDL	8.0										Weight: 19 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF Stud *Except* W1:2x6 SPF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-9-2 oc purlins, except end verticals.
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.

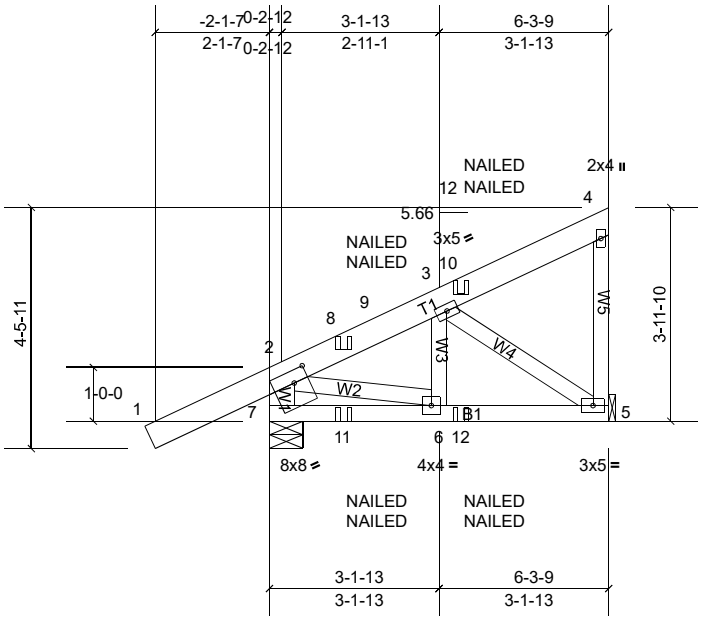
REACTIONS (lb/size) 4=13/ Mechanical, (min. 0-1-8), 5=528/0-7-6, (min. 0-1-8)
Max Horiz 5=82 (LC 9)
Max Uplift 4=-208 (LC 16), 5=-72 (LC 10)
Max Grav 4=42 (LC 5), 5=754 (LC 16)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-735/83

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
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 45.0 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) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 72 lb uplift at joint 5 and 208 lb uplift at joint 4.
9) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	CJ02	Diagonal Hip Girder	1	1	Job Reference (optional)



Scale = 1:42.8

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.32	Vert(LL)	0.00	6	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.05	Vert(TL)	0.00	5-6	>999	180		
TCDL	7.0	Rep Stress Incr	NO	WB	0.08	Horiz(TL)	0.00	5	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-P								
BCDL	8.0										Weight: 41 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF Stud *Except* W1:2x6 SPF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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

REACTIONS (lb/size) 5=285/ Mechanical, (min. 0-1-8), 7=601/0-7-6, (min. 0-1-8)
Max Horiz 7=125 (LC 7)
Max Uplift 5=-64 (LC 7), 7=-135 (LC 10)
Max Grav 5=374 (LC 17), 7=649 (LC 17)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-7=-629/136, 2-8=-341/112, 8-9=-321/72, 3-9=-293/83
WEBS 2-6=-176/259, 3-5=-276/209

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
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 45.0 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) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 135 lb uplift at joint 7 and 64 lb uplift at joint 5.
9) 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.
10) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-2=-104, 2-4=-104, 5-7=-16
Concentrated Loads (lb)
Vert: 8=72 (F=36, B=36), 12=7 (F=3, B=3)

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	CJ03	Roof Special Girder	1	1	Job Reference (optional)

Run: 8.23 S Jan 20 2019 Print: 8.230 S Jan 20 2019 MiTek Industries, Inc. Thu Jan 31 13:48:41 Page: 1
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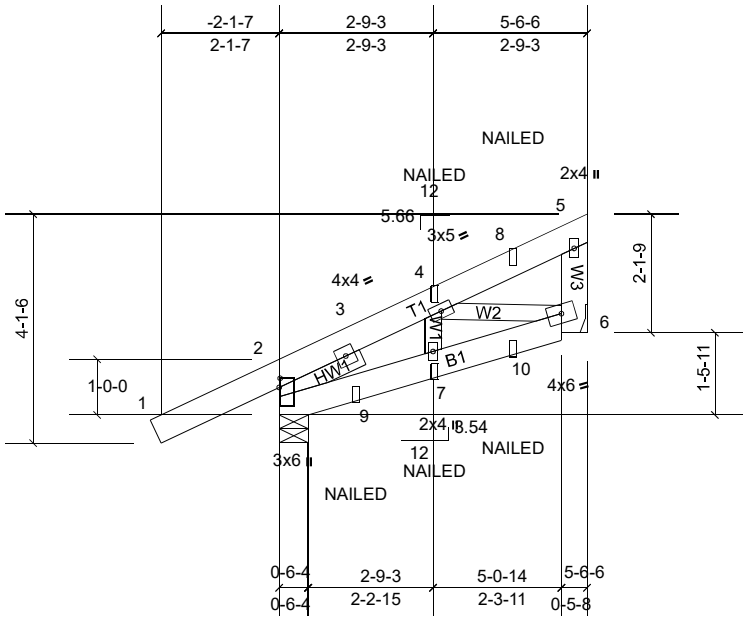

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Plate Offsets (X, Y): [2:0-1-15,0-0-3]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	0.00	7	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.04	Vert(TL)	-0.01	7	>999	180		
TCDL	7.0	Rep Stress Incr	NO	WB	0.08	Horiz(TL)	0.00	6	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-P								
BCDL	8.0										Weight: 34 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x6 SPF 2100F 1.8E
WEBS 2x4 DF Stud *Except* W3:2x6 SPF No.2
SLIDER Left 2x4 DF Stud -- 1-7-15

REACTIONS (lb/size) 2=582/0-6-4, (min. 0-1-8), 6=243/ Mechanical, (min. 0-1-8)
Max Horiz 2=85 (LC 7)
Max Uplift 2=-93 (LC 10), 6=-66 (LC 10)
Max Grav 2=628 (LC 17), 6=317 (LC 17)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-461/105, 3-4=-328/191

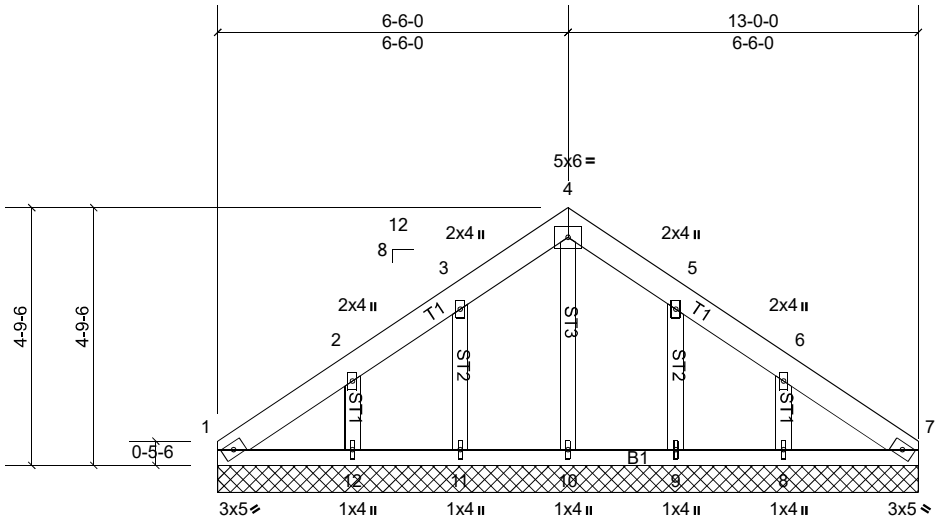
BRACING
TOP CHORD Structural wood sheathing directly applied or 5-6-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
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 45.0 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) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 93 lb uplift at joint 2 and 66 lb uplift at joint 6.
10) 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.
11) "NAILED" indicates 3-10d skew 45 to 135 degrees (0.148" x 3") toe-nails per NDS guidelines.
12) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-5=-104, 2-6=-16
Concentrated Loads (lb)
Vert: 7=5 (F), 9=33 (B), 10=2 (B)

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	DG01	Roof Special Supported Gable	1	1	Job Reference (optional)



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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.02	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.02	Vert(TL)	n/a	-	n/a	999		
TCDL	7.0	Rep Stress Incr	YES	WB	0.05	Horiz(TL)	0.00	7	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 62 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
OTHERS 2x4 DF 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.

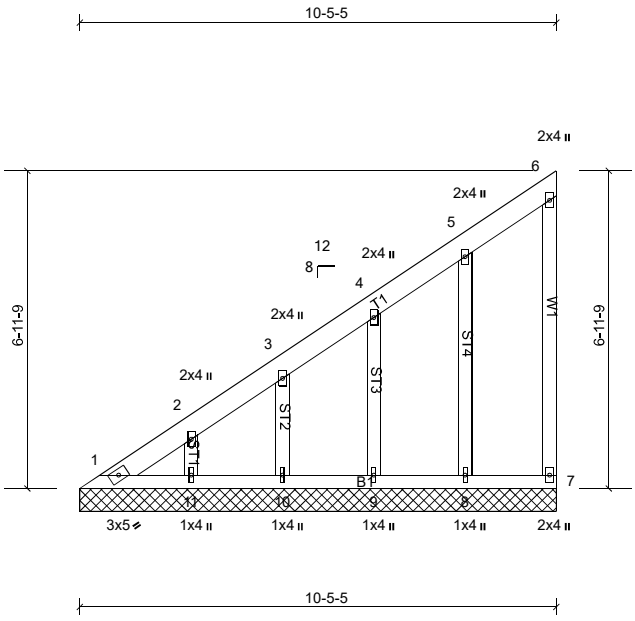
REACTIONS All bearings 13-0-0.
(lb) - Max Horiz 1=-84 (LC 6)
Max Uplift All uplift 100 (lb) or less at joint(s) 1, 8, 9, 11, 12
Max Grav All reactions 250 (lb) or less at joint(s) 1, 7, 9, 10, 11 except 8=300 (LC 1), 12=300 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-12=-255/92, 6-8=-255/92

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; 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 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 2-0-0 oc.
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 3-06-00 tall by 1-00-00 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 100 lb uplift at joint(s) 1, 11, 12, 9, 8.
9) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	DG02	Common Supported Gable	1	1	Job Reference (optional)



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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.26	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.04	Vert(TL)	n/a	-	n/a	999		
TCDL	7.0	Rep Stress Incr	YES	WB	0.10	Horiz(TL)	0.00	7	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 60 lb	FT = 0%

LUMBER

TOP CHORD	2x6 SPF 2100F 1.8E
BOT CHORD	2x4 DF 2100F 1.8E
WEBS	2x4 DF Stud
OTHERS	2x4 DF Stud

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
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 All bearings 10-5-5.
(lb) - Max Horiz 1=190 (LC 5)
Max Uplift All uplift 100 (lb) or less at joint(s) 1, 7, 8, 9, 10, 11
Max Grav All reactions 250 (lb) or less at joint(s) 1, 7, 10 except 8=291 (LC 15), 9=253 (LC 15), 11=256 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES

1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; 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 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 2-0-0 oc.
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 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members, with BCDL = 8.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 7, 8, 9, 10, 11.
9) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	DG02A	Roof Special Structural Gable	1	1	Job Reference (optional)

Run: 8.22 S Sep 9 2018 Print: 8.230 S Jan 20 2019 MiTek Industries, Inc. Thu Jan 31 13:48:45 Page: 1
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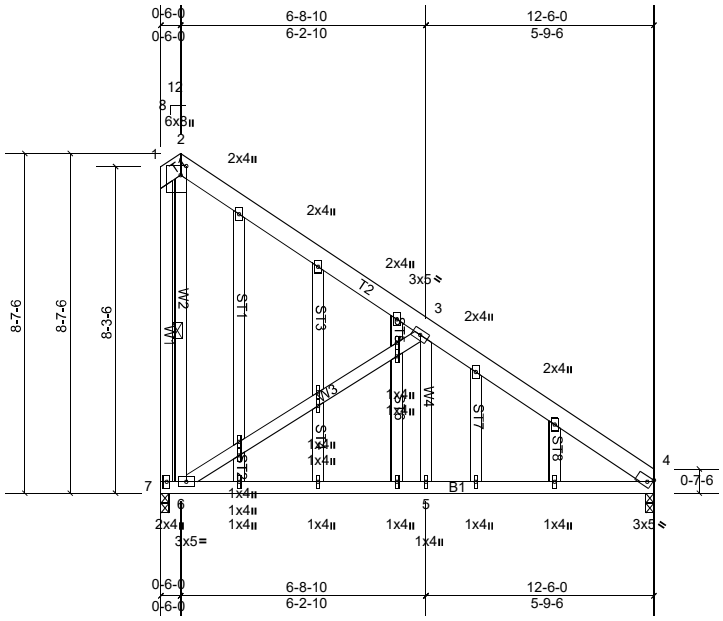


Scale = 1:58.4

Plate Offsets (X, Y): [1:0-5-4,0-4-4]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.43	Vert(LL)	-0.05	5-6	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.23	Vert(TL)	-0.10	5-6	>999	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.76	Horiz(TL)	0.01	4	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 108 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF Stud
OTHERS 2x4 DF Stud

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 1-7

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

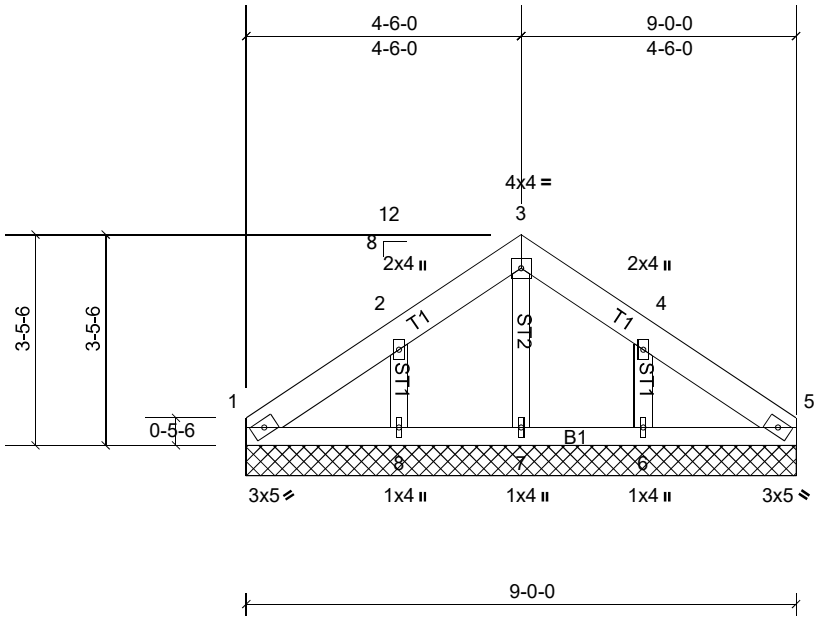
REACTIONS (lb/size) 4=735/0-2-8, (min. 0-1-8), 7=735/0-2-8, (min. 0-1-8)
Max Horiz 7=-239 (LC 4)
Max Uplift 4=-33 (LC 9), 7=-112 (LC 9)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-273/105, 3-4=-934/34, 1-7=-318/90
BOT CHORD 5-6=0/684, 4-5=0/684
WEBS 2-6=-80/267, 3-6=-798/177, 3-5=0/256

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; 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 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
4) All plates are 1x4 MT20 unless otherwise indicated.
5) Gable studs spaced at 2-0-0 oc.
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 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4, 7.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 33 lb uplift at joint 4 and 112 lb uplift at joint 7.
10) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	DG04	Common Supported Gable	1	1	Job Reference (optional)



Scale = 1:37.7

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.02	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.02	Vert(TL)	n/a	-	n/a	999		
TCDL	7.0	Rep Stress Incr	YES	WB	0.05	Horiz(TL)	0.00	5	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 39 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
OTHERS 2x4 DF 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.

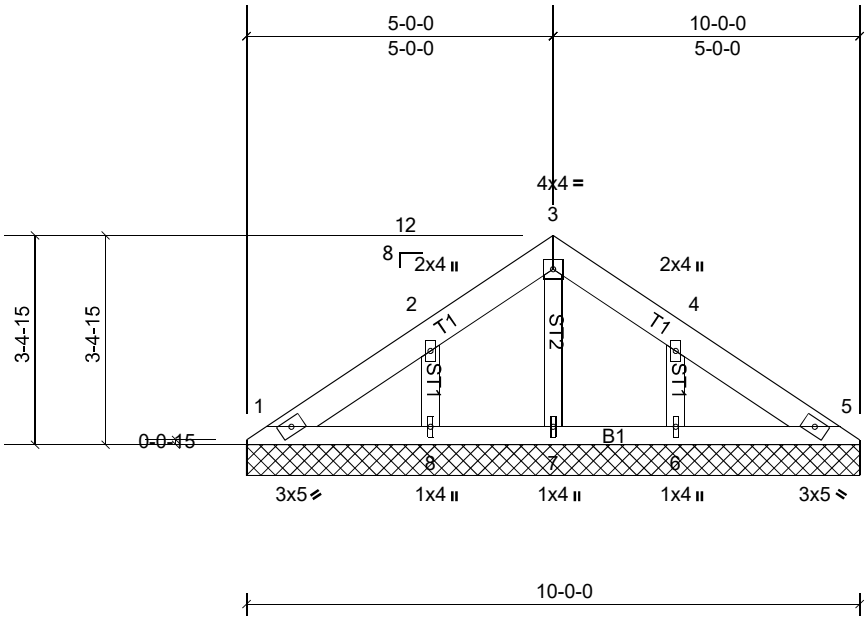
REACTIONS All bearings 9-0-0.
(lb) - Max Horiz 1=59 (LC 5)
Max Uplift All uplift 100 (lb) or less at joint(s) 1, 5, 6, 8
Max Grav All reactions 250 (lb) or less at joint(s) 1, 5, 7 except 6=309 (LC 1), 8=309 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-8=-264/89, 4-6=-264/87

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; 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 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 2-0-0 oc.
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 3-06-00 tall by 1-00-00 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 100 lb uplift at joint(s) 1, 5, 8, 6.
9) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	DG05	Common Supported Gable	1	1	Job Reference (optional)



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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.03	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.02	Vert(TL)	n/a	-	n/a	999		
TCDL	7.0	Rep Stress Incr	YES	WB	0.05	Horiz(TL)	0.00	5	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 41 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
OTHERS 2x4 DF Stud

REACTIONS All bearings 10-0-0.
(lb) - Max Horiz 1=58 (LC 7)
Max Uplift All uplift 100 (lb) or less at joint(s) 1, 5, 6, 8
Max Grav All reactions 250 (lb) or less at joint(s) 1, 5, 7 except 6=324 (LC 1), 8=324 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 4-6=-277/88, 2-8=-277/89

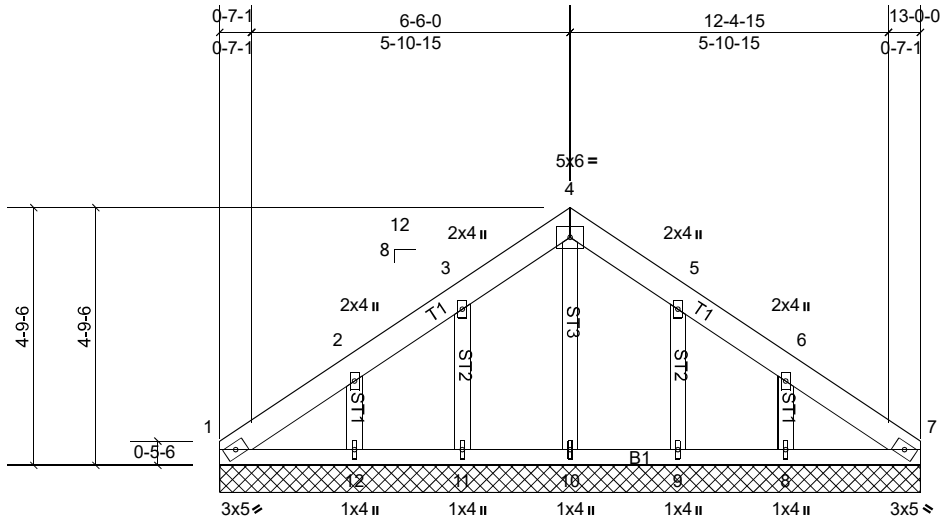
BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; 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 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 2-0-0 oc.
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 3-06-00 tall by 1-00-00 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 100 lb uplift at joint(s) 5, 1, 6, 8.
9) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	DG19	Roof Special Supported Gable	1	1	Job Reference (optional)



Scale = 1:42.8

13-0-0

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.02	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.02	Vert(TL)	n/a	-	n/a	999		
TCDL	7.0	Rep Stress Incr	YES	WB	0.05	Horiz(TL)	0.00	7	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 62 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
OTHERS 2x4 DF 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.

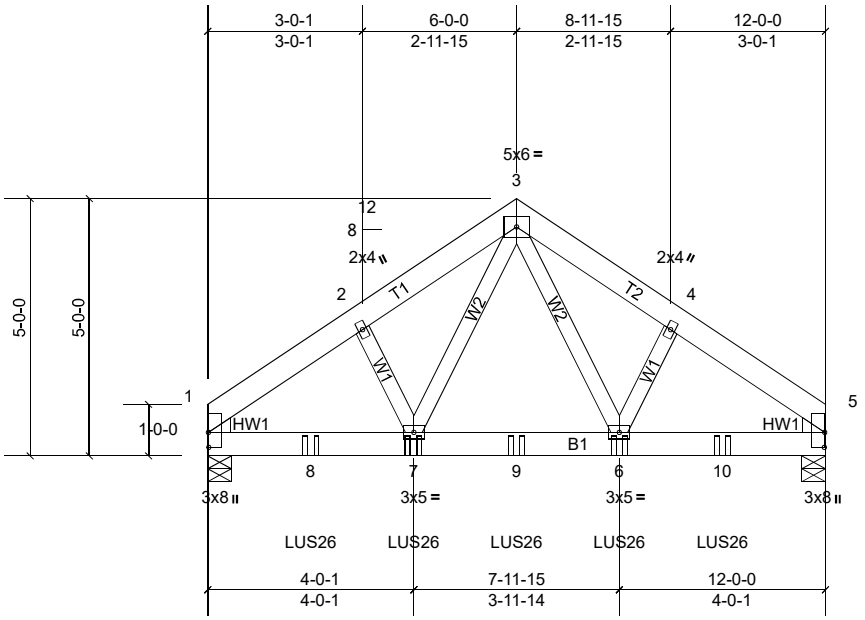
REACTIONS All bearings 13-0-0.
(lb) - Max Horiz 1=84 (LC 5)
Max Uplift All uplift 100 (lb) or less at joint(s) 1, 8, 9, 11, 12
Max Grav All reactions 250 (lb) or less at joint(s) 1, 7, 9, 10, 11 except 8=300 (LC 1), 12=300 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-12=-255/92, 6-8=-255/92

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; 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 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 2-0-0 oc.
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 3-06-00 tall by 1-00-00 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 100 lb uplift at joint(s) 1, 11, 12, 9, 8.
9) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	G01	Roof Special Girder	1	**2**	Job Reference (optional)



Scale = 1:44.8

Plate Offsets (X, Y): [1:0-3-8,0-0-1], [5:0-3-8,0-0-1]

Loading	(psf)	**Spacing**	2-0-0	**CSI**		**DEFL**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	45.0	Plate Grip DOL	1.15	TC	0.29	Vert(LL)	-0.02	6-7	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.23	Vert(TL)	-0.04	6-7	>999	180		
TCDL	7.0	Rep Stress Incr	NO	WB	0.27	Horiz(TL)	0.01	5	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 135 lb	FT = 0%

LUMBER

TOP CHORD	2x6 SPF 2100F 1.8E
BOT CHORD	2x6 SPF 2100F 1.8E
WEBS	2x4 DF Stud
WEDGE	Left: 2x4 HF 2400F 2.0E
	Right: 2x4 HF 2400F 2.0E

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.

REACTIONS (lb/size) 1=2520/0-5-8, (min. 0-1-10), 5=2450/0-5-8, (min. 0-1-9)
Max Horiz 1=-87 (LC 19)
Max Uplift 1=-134 (LC 8), 5=-132 (LC 9)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-3124/171, 2-3=-2885/203, 3-4=-2965/208, 4-5=-3177/176
BOT CHORD 1-8=-146/2266, 7-8=-146/2266, 7-9=-69/1777, 6-9=-69/1777, 6-10=-107/2385, 5-10=-107/2385
WEBS 3-6=-123/1605, 3-7=-114/1440

NOTES

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Web connected as follows: 2x4 - 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 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
4) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 132 lb uplift at joint 5 and 134 lb uplift at joint 1.
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) Use Simpson Strong-Tie LUS26 (4-10d Girder, 4-10d Truss, Single Ply Girder) or equivalent spaced at 2-0-0 oc max. starting at 2-0-0 from the left end to 10-0-0 to connect truss(es) T02 (1 ply 2x4 DF) to front face of bottom chord.
10) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-3=-104, 3-5=-104, 1-5=-16
Concentrated Loads (lb)
Vert: 6=-711 (F), 7=-711 (F), 8=-711 (F), 9=-711 (F), 10=-711 (F)

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	G02	Roof Special Girder	1	**2**	Job Reference (optional)

Run: 8.22 S Sep 24 2018 Print: 8.230 S Jan 20 2019 MiTek Industries, Inc. Thu Jan 31 13:48:51 Page: 1
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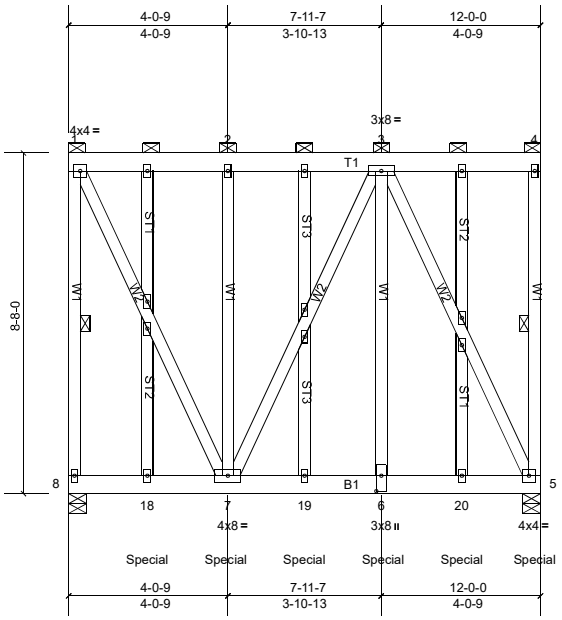


Scale = 1:58.6

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.26	Vert(LL)	-0.03	6-7	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.24	Vert(TL)	-0.04	6-7	>999	180		
TCDL	7.0	Rep Stress Incr	NO	WB	0.67	Horiz(TL)	0.00	5	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 302 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x6 SPF 2100F 1.8E
WEBS 2x4 DF Stud
OTHERS 2x4 DF Stud

BRACING
TOP CHORD 2-0-0 oc purlins (6-0-0 max.): 1-4, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 1-8, 4-5

REACTIONS (lb/size) 5=3200/0-5-8, (min. 0-2-1), 8=2481/0-5-8, (min. 0-1-9)
Max Horiz 8=-232 (LC 6)
Max Uplift 5=-591 (LC 7), 8=-469 (LC 6)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-8=-2160/416, 1-2=-942/176, 2-3=-942/176
BOT CHORD 7-19=-238/938, 6-19=-238/938, 6-20=-238/938, 5-20=-238/938
WEBS 1-7=-433/2176, 2-7=-400/118, 3-6=-244/1506, 3-5=-2167/433

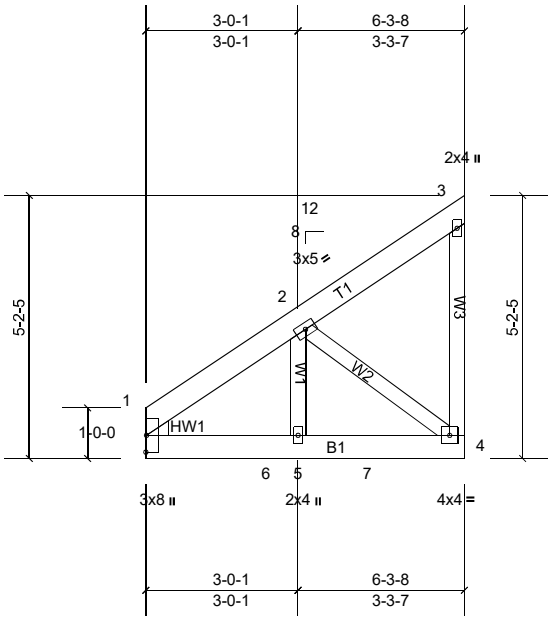
NOTES
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Web connected as follows: 2x4 - 1 row at 0-9-0 oc.
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 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
4) 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.
5) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
6) Unbalanced snow loads have been considered for this design.
7) Provide adequate drainage to prevent water ponding.
8) All plates are 2x4 MT20 unless otherwise indicated.
9) Gable studs spaced at 2-0-0 oc.
10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
11) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members, with BCDL = 8.0psf.
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 469 lb uplift at joint 8 and 591 lb uplift at joint 5.
13) 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.
14) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
15) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 712 lb down and 133 lb up at 2-0-0, 712 lb down and 133 lb up at 4-0-0, 712 lb down and 133 lb up at 6-0-0, 712 lb down and 133 lb up at 8-0-0, and 712 lb down and 133 lb up at 10-0-0, and 719 lb down and 125 lb up at 11-10-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-4=-104, 5-8=-16

Continued on page 2

Concentrated Loads (lb)
Vert: 5=-719 (F), 7=-712 (F), 6=-712 (F), 18=-712 (F), 19=-712 (F), 20=-712 (F)

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	G03	Monopitch Girder	2	**2**	Job Reference (optional)



Scale = 1:45.5

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.10	Vert(LL)	-0.01	4-5	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.12	Vert(TL)	-0.01	4-5	>999	180		
TCDL	7.0	Rep Stress Incr	NO	WB	0.16	Horiz(TL)	0.00	4	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-P								
BCDL	8.0										Weight: 78 lb	FT = 0%

LUMBER

TOP CHORD	2x6 SPF 2100F 1.8E
BOT CHORD	2x6 SPF 2100F 1.8E
WEBS	2x4 DF Stud
WEDGE	Left: 2x4 HF 2400F 2.0E

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=886/0-5-8, (min. 0-1-8), 4=1533/ Mechanical, (min. 0-1-8)
Max Horiz 1=136 (LC 5)
Max Uplift 1=-49 (LC 8), 4=-148 (LC 8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD	1-2=-1095/57
BOT CHORD	1-6=-98/769, 5-6=-98/769, 5-7=-98/769, 4-7=-98/769
WEBS	2-5=-38/950, 2-4=-983/139

NOTES

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Web connected as follows: 2x4 - 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 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
4) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 148 lb uplift at joint 4 and 49 lb uplift at joint 1.
9) 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.
10) Use Simpson Strong-Tie LUS26 (4-10d Girder, 3-10d Truss, Single Ply Girder) or equivalent spaced at 2-0-0 oc max. starting at 2-4-8 from the left end to 6-1-12 to connect truss(es) S05A (1 ply 2x4 DF) to back face of bottom chord.
11) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-3=-104, 1-4=-16
Concentrated Loads (lb)
Vert: 4=-575 (B), 6=-566 (B), 7=-566 (B)

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	G04	Jack-Closed Girder	1	**2**	Job Reference (optional)

Run: 8.23 S Jan 20 2019 Print: 8.230 S Jan 20 2019 MiTek Industries, Inc. Thu Jan 31 13:48:54 Page: 1
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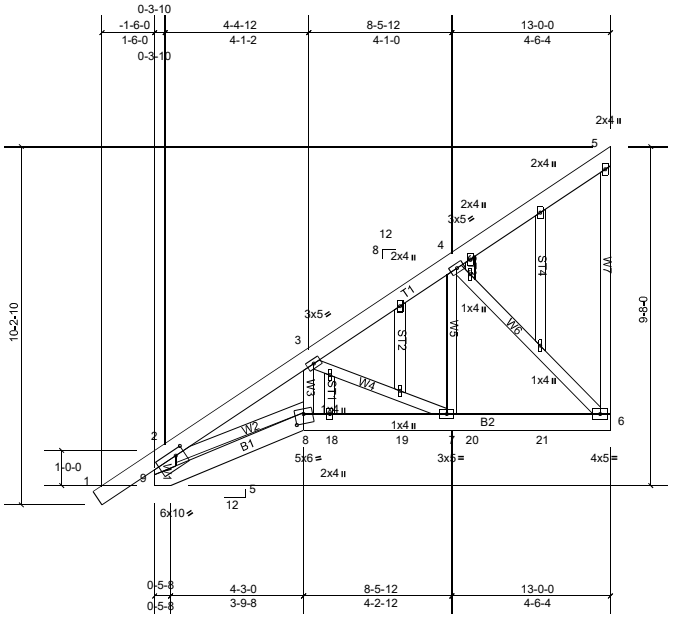

Scale = 1:65.7

Plate Offsets (X, Y): [8:0-3-0,0-3-4], [9:0-3-0,0-2-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.18	Vert(LL)	-0.03	7-8	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.12	Vert(TL)	-0.04	7-8	>999	180		
TCDL	7.0	Rep Stress Incr	NO	WB	0.27	Horiz(TL)	0.02	6	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 209 lb	FT = 0%

LUMBER

TOP CHORD	2x6 SPF 2100F 1.8E
BOT CHORD	2x6 SPF 2100F 1.8E
WEBS	2x4 DF Stud *Except* W1:2x8 HF 1950F 1.7E
OTHERS	2x4 DF Stud

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 6=1232/ Mechanical, (min. 0-1-8), 9=1419/0-5-8, (min. 0-1-8)
Max Horiz 9=264 (LC 21)
Max Uplift 6=-275 (LC 8), 9=-192 (LC 8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2592/479, 3-4=-1145/193, 2-9=-1508/292
BOT CHORD 8-9=-306/497, 8-18=-468/1932, 18-19=-468/1932, 7-19=-468/1932, 7-20=-213/910, 20-21=-213/910, 6-21=-213/910
WEBS 3-8=-244/959, 3-7=-1121/318, 4-7=-231/983, 4-6=-1310/336, 2-8=-277/1621

NOTES

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc, 2x8 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Web connected as follows: 2x4 - 1 row at 0-9-0 oc, Except member 3-8 2x4 - 1 row at 0-5-0 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 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
4) 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.
5) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
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 45.0 psf on overhangs non-concurrent with other live loads.
7) Gable studs spaced at 2-0-0 oc.
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 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
10) Refer to girder(s) for truss to truss connections.
11) Bearing at joint(s) 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 275 lb uplift at joint 6 and 192 lb uplift at joint 9.
13) 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.
14) "NAILED" indicates 3-10d Nails (0.148" x 3") toe-nails per NDS guidelines.
15) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 294 lb down and 88 lb up at 4-3-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-2=-104, 2-5=-104, 8-9=-16, 6-8=-16
Concentrated Loads (lb)

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	G04	Jack-Closed Girder	1	**2**	Job Reference (optional)

Vert: 8=-294 (B), 18=-162 (B), 19=-162 (B), 20=-162 (B), 21=-162 (B)

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	G05	Half Hip Girder	1	1	Job Reference (optional)

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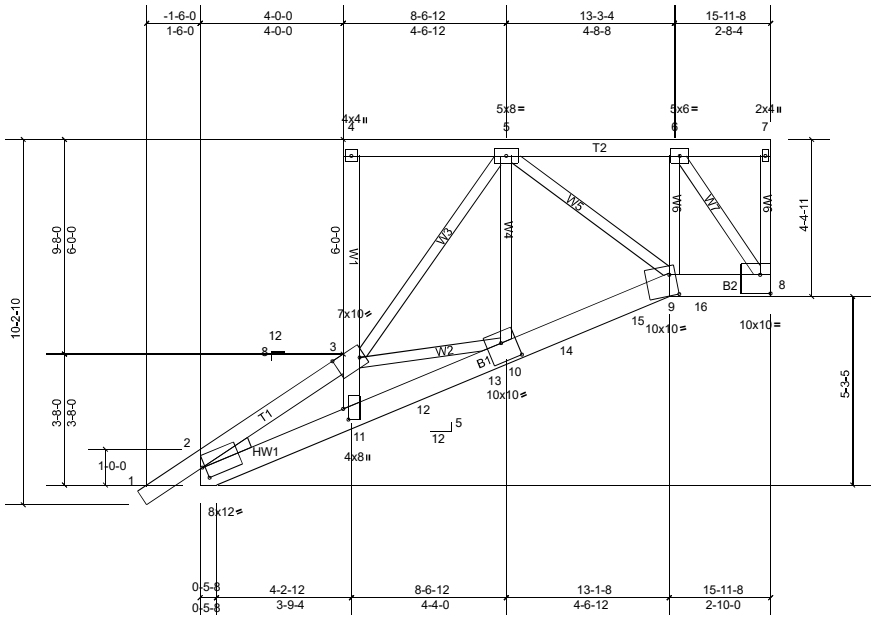

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Plate Offsets (X, Y): [2:0-0-15,0-4-1], [3:0-8-4,Edge], [8:Edge,0-6-4], [9:0-2-0,0-7-0], [10:0-5-0,0-6-4], [11:0-3-10,0-1-12]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.71	Vert(LL)	-0.17	10-11	>935	240	MT20	185/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.69	Vert(TL)	-0.24	10-11	>655	180		
TCDL	7.0	Rep Stress Incr	NO	WB	0.82	Horiz(TL)	0.04	9	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 134 lb	FT = 0%

LUMBER

TOP CHORD	2x6 SPF 2100F 1.8E
BOT CHORD	2x8 HF 1950F 1.7E
WEBS	2x4 DF Stud *Except* W1:2x6 SPF 2100F 1.8E, W4:2x4 DF No.1&Btr
WEDGE	Left: 2x4 DF Stud

REACTIONS (lb/size) 2=2308/0-5-8, (min. 0-2-14), 8=-976/ Mechanical, (min. 0-1-8), 9=6334/ Mechanical, (min. 0-1-8)
Max Horiz 2=237 (LC 43)
Max Uplift 2=-344 (LC 6), 8=-996 (LC 25), 9=-1223 (LC 7)
Max Grav 2=2568 (LC 26), 8=200 (LC 10), 9=7048 (LC 25)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 3-9-12 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-11, 4-7.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 8-9.
WEBS	1 Row at midpt 3-5, 3-10, 5-9

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

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD	2-3=-6039/982, 3-11=-272/1395, 3-4=-378/52, 5-6=-249/1297
BOT CHORD	2-11=-989/5006, 11-12=-1012/4957, 12-13=-1060/5237, 10-13=-1107/5532, 10-14=-257/1173, 14-15=-307/1451, 9-15=-355/1748, 9-16=-1191/249, 8-16=-1195/250
WEBS	3-5=-2102/346, 3-10=-3354/749, 5-10=-586/3089, 5-9=-3426/626, 6-9=-2694/435, 6-8=-396/2144

NOTES

1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 45.0 psf on overhangs non-concurrent with other live loads.
5) Provide adequate drainage to prevent water ponding.
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 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
8) Refer to girder(s) for truss to truss connections.
9) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 996 lb uplift at joint 8, 344 lb uplift at joint 2 and 1223 lb uplift at joint 9.
11) 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.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) Use Simpson Strong-Tie HUS28 (With 1-10d nails into Girder & 1-10d nails into Truss) or equivalent spaced at 7-10-8 oc max. starting at 4-1-8 from the left end to 12-0-0 to connect truss(es) G04 (2 ply 2x6 SPF), T06 (1 ply 2x4 DF) to front face of bottom chord.
14) Use Simpson Strong-Tie HUS26 (With 1-10d nails into Girder & 1-10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 6-0-0 from the left end to 10-0-0 to connect truss(es) T03 (1 ply 2x4 DF), T04 (1 ply 2x4 DF), T05 (1 ply 2x4 DF) to front face of bottom chord.
15) Use Simpson Strong-Tie HUS26 (With 1-10d nails into Girder & 1-10d nails into Truss) or equivalent spaced at 1-9-12 oc max. starting at 14-0-0 from the left end to 15-9-12 to connect truss(es) T07 (1 ply 2x4 DF), T08 (1 ply 2x4 DF) to front face of bottom chord.
16) WARNING: The following hangers are manually applied but fail due to geometric considerations: HUS28 on front face at 4-1-8 from the left end, HUS26 on front face at 6-0-0 from the left end, HUS26 on front face at 8-0-0 from the left end, HUS26 on front face at 10-0-0 from the left end, HUS28 on front face at 12-0-0 from the left end, HUS26 on front face at 14-0-0 from the left end, HUS26 on front face at 15-9-12 from the left end.
17) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

Continued on page 2

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-3=-104, 4-7=-104, 2-9=-16, 8-9=-16
Concentrated Loads (lb)
Vert: 11=-1216 (F), 8=-750 (F), 12=-727 (F), 13=-727 (F), 14=-727 (F), 15=-727 (F), 16=-727 (F)

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	G06	Roof Special Girder	1	**2**	Job Reference (optional)

Run: 8.22 S Sep 9 2018 Print: 8.230 S Jan 20 2019 MiTek Industries, Inc. Thu Jan 31 13:48:57 Page: 1
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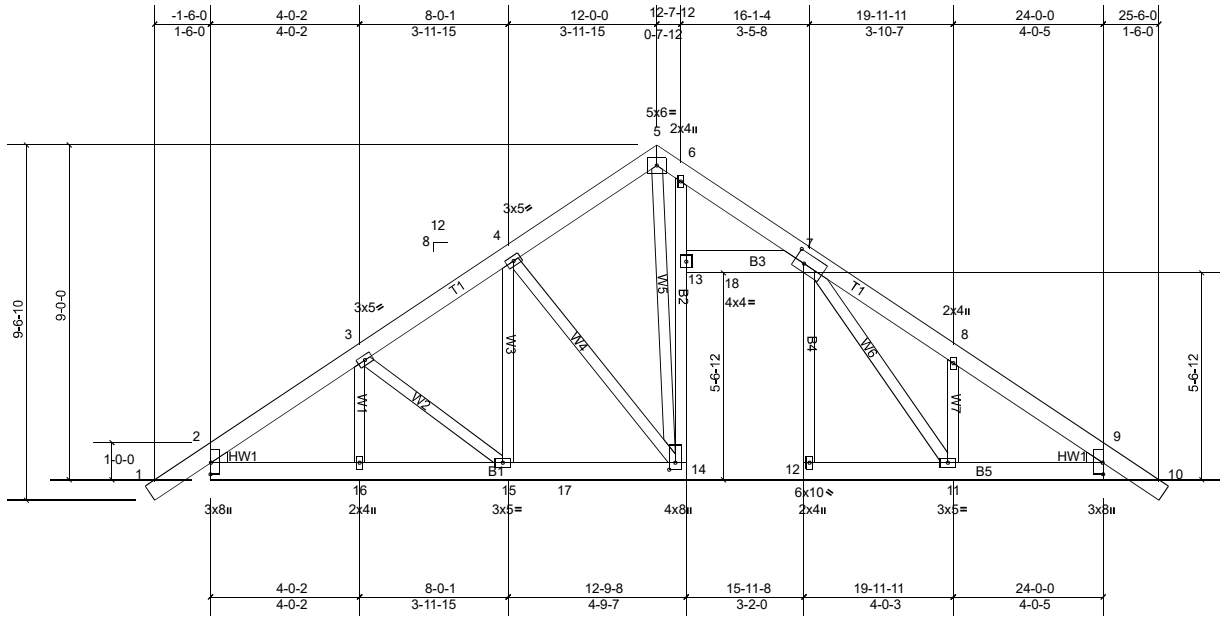

Scale = 1:61.9

Plate Offsets (X, Y): [2:Edge,0-0-3], [7:0-3-4,0-3-8], [9:Edge,0-0-3], [14:0-2-4,0-2-0]

Loading	(psf)	**Spacing**	2-0-0	**CSI**		**DEFL**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	45.0	Plate Grip DOL	1.15	TC	0.36	Vert(LL)	-0.12	12	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.89	Vert(TL)	-0.18	12	>759	180		
TCDL	7.0	Rep Stress Incr	NO	WB	0.16	Horiz(TL)	0.01	9	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 345 lb	FT = 0%

LUMBER

TOP CHORD	2x6 SPF 2100F 1.8E
BOT CHORD	2x6 SPF 2100F 1.8E *Except* B2,B4:2x4 DF Stud, B3:2x8 HF 1950F 1.7E
WEBS	2x4 DF Stud
WEDGE	Left: 2x4 HF 2400F 2.0E Right: 2x4 HF 2400F 2.0E

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, Except: 5-0-0 oc bracing: 13-14 6-0-0 oc bracing: 7-13.

REACTIONS (lb/size) 2=833/0-5-8, (min. 0-1-8), 9=839/0-5-8, (min. 0-1-8), 14=2331/0-5-8, (min. 0-1-8)
Max Horiz 2=-176 (LC 6)
Max Uplift 2=-129 (LC 24), 9=-190 (LC 9), 14=-79 (LC 8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-740/196, 3-4=-445/234, 4-5=-86/359, 5-6=-381/334, 6-7=-20/485, 7-8=-1003/362, 8-9=-785/219
BOT CHORD 2-16=-142/526, 15-16=-142/526, 15-17=-80/304, 14-17=-80/304, 13-14=-2259/292, 6-13=-1484/205, 9-11=-105/546
WEBS 3-15=-315/85, 4-15=-9/340, 4-14=-560/127, 5-14=-316/395, 7-11=-189/976, 8-11=-814/213

NOTES

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc, 2x8 - 2 rows staggered at 0-9-0 oc.
Web connected as follows: 2x4 - 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 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
4) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
5) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 45.0 psf on overhangs non-concurrent with other live loads.
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 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members, with BCDL = 8.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 129 lb uplift at joint 2, 190 lb uplift at joint 9 and 79 lb uplift at joint 14.
9) 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.
10) Use Simpson Strong-Tie HUS26 (With 1-10d nails into Girder & 1-10d nails into Truss) or equivalent at 14-0-0 from the left end to connect truss(es) T23 (1 ply 2x4 DF) to back face of bottom chord, skewed 0.0 deg.to the left, sloping 33.7 deg. up.
11) WARNING: The following hangers are manually applied but fail due to geometric considerations: HUS26 on back face at 14-0-0 from the left end.

LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-5=-104, 5-7=-104, 7-10=-104, 2-14=-16, 7-13=-16, 9-12=-16
Concentrated Loads (lb)
Vert: 18=-792 (B)

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	G07	Roof Special Girder	1	**2**	Job Reference (optional)

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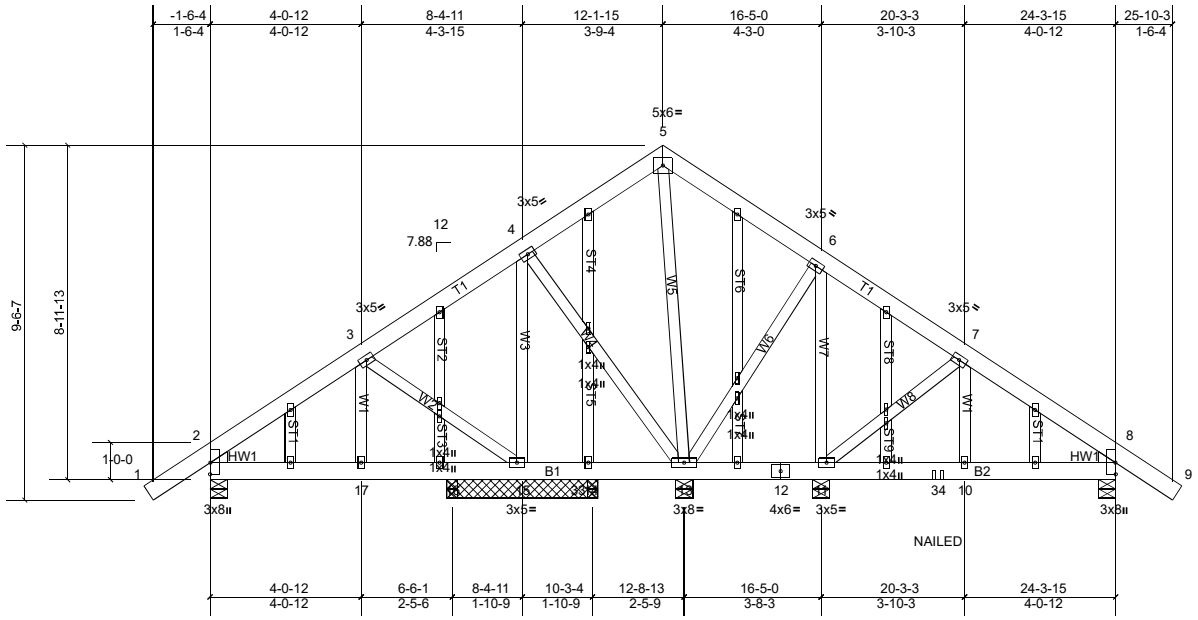

Scale = 1:61.9

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.09	Vert(LL)	0.00	10-11	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.06	Vert(TL)	0.00	10-11	>999	180		
TCDL	7.0	Rep Stress Incr	NO	WB	0.11	Horiz(TL)	0.00	8	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 402 lb	FT = 0%

LUMBER

TOP CHORD	2x6 SPF 2100F 1.8E
BOT CHORD	2x6 SPF 2100F 1.8E
WEBS	2x4 DF Stud
OTHERS	2x4 DF Stud
WEDGE	Left: 2x4 HF 2400F 2.0E Right: 2x4 HF 2400F 2.0E

BRACING

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

REACTIONS All bearings 0-5-7. except 15=4-0-11, 14=4-0-11, 13=0-5-9, 11=0-5-9, 16=0-3-8

(lb) - Max Horiz 2=176 (LC 7)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 8, 11, 13 except 15=-104 (LC 24)
Max Grav All reactions 250 (lb) or less at joint(s) 14, 16 except 2=705 (LC 1), 8=716 (LC 1), 11=662 (LC 1), 13=640 (LC 1), 15=491 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD	2-3=-533/53, 7-8=-561/25
BOT CHORD	2-17=-78/346, 16-17=-78/346, 15-16=-78/346, 11-34=0/328, 10-34=0/328, 8-10=0/328
WEBS	3-15=-317/102, 4-15=-317/66, 5-13=-399/0, 6-11=-311/53, 7-11=-384/98

NOTES

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Web connected as follows: 2x4 - 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 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
4) 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.
5) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
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 45.0 psf on overhangs non-concurrent with other live loads.
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 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members, with BCDL = 8.0psf.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 13, 11, 8 except (jt=lb) 15=104.
12) 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.
13) "NAILED" indicates 3-12d (0.148"x3.25") toe-nails per NDS guidlines.

LOAD CASE(S) Standard

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	G07	Roof Special Girder	1	**2**	Job Reference (optional)

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-5=-104, 5-9=-104, 2-8=-16
Concentrated Loads (lb)
Vert: 34=-107 (B)

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	G09	Half Hip Girder	1	**2**	Job Reference (optional)

Run: 8.22 S Sep 9 2018 Print: 8.230 S Jan 20 2019 MiTek Industries, Inc. Thu Jan 31 13:49:01 Page: 1
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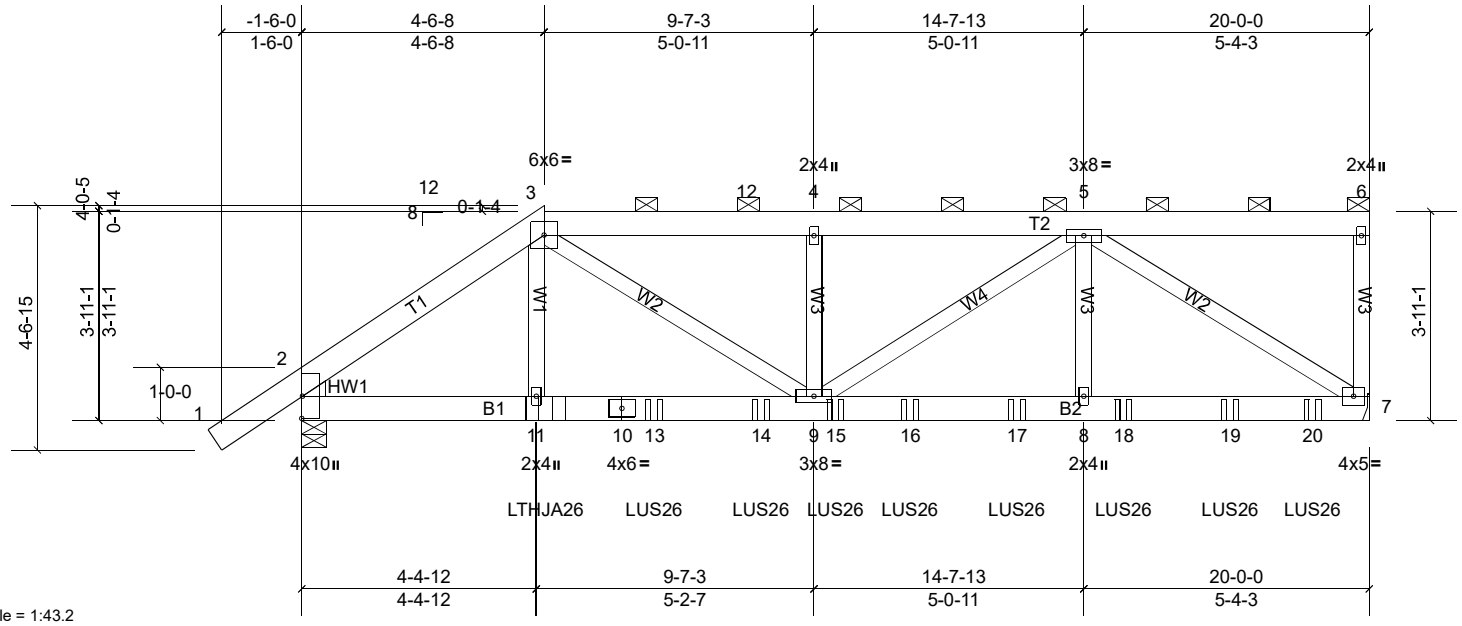

Scale = 1:43.2

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.29	Vert(LL)	-0.07	8-9	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.31	Vert(TL)	-0.10	8-9	>999	180		
TCDL	7.0	Rep Stress Incr	NO	WB	0.70	Horiz(TL)	0.03	7	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 234 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x6 SPF 2100F 1.8E
WEBS 2x4 DF Stud
WEDGE Left: 2x4 HF 2400F 2.0E

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-6.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=2460/0-5-8, (min. 0-1-10), 7=2365/ Mechanical, (min. 0-1-8)
Max Horiz 2=109 (LC 40)
Max Uplift 2=-332 (LC 10), 7=-421 (LC 7)
Max Grav 2=2585 (LC 25), 7=3105 (LC 25)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3895/530, 3-12=-4600/624, 4-12=-4603/624, 4-5=-4600/623, 6-7=-427/53
BOT CHORD 2-11=-475/2994, 10-11=-470/2962, 10-13=-470/2962, 13-14=-470/2962, 9-14=-470/2962, 9-15=-516/3635, 15-16=-516/3635, 16-17=-516/3635, 8-17=-516/3635, 8-18=-516/3635, 18-19=-516/3635, 19-20=-516/3635, 7-20=-516/3635
WEBS 3-11=-126/777, 3-9=-287/1991, 4-9=-982/119, 5-9=-182/1169, 5-8=-105/712, 5-7=-4301/585

NOTES
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Web connected as follows: 2x4 - 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 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
4) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 45.0 psf on overhangs non-concurrent with other live loads.
7) Provide adequate drainage to prevent water ponding.
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 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
10) Refer to girder(s) for truss to truss connections.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 421 lb uplift at joint 7 and 332 lb uplift at joint 2.
12) 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.
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
14) Use Simpson Strong-Tie LTHJA26 (LTHJA26 on 2 ply, Right Hand Hip) or equivalent at 4-6-14 from the left end to connect truss(es) J06 (1 ply 2x4 DF), CJ02 (1 ply 2x4 DF) to back face of bottom chord.
15) Use Simpson Strong-Tie LUS26 (4-10d Girder, 3-10d Truss, Single Ply Girder) or equivalent spaced at 2-0-0 oc max. starting at 6-7-4 from the left end to 15-4-12 to connect truss(es) J04 (1 ply 2x4 DF) to back face of bottom chord.
16) Use Simpson Strong-Tie LUS26 (With 1-10d nails into Girder & 1-10d nails into Truss) or equivalent spaced at 1-6-8 oc max. starting at 17-4-12 from the left end to 18-11-4 to connect truss(es) J05 (1 ply 2x4 DF) to back face of bottom chord.
17) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	G09	Half Hip Girder	1	**2**	Job Reference (optional)

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-3=-104, 3-6=-104, 2-7=-16
Concentrated Loads (lb)
Vert: 11=-533 (B), 13=-230 (B), 14=-230 (B), 15=-230 (B), 16=-230 (B), 17=-230 (B), 18=-230 (B), 19=-182 (B), 20=-183 (B)

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	G10	Common Girder	1	**2**	Job Reference (optional)

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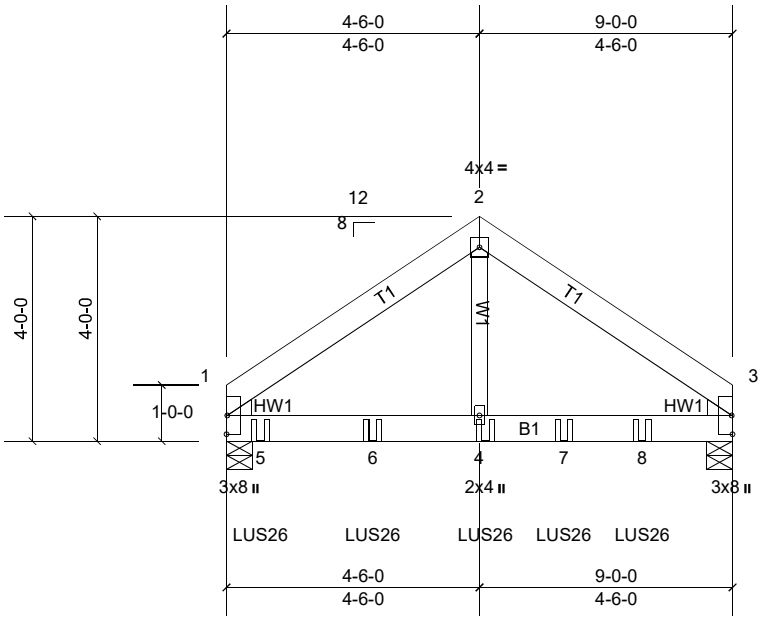

Scale = 1:41

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.11	Vert(LL)	-0.01	3-4	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.10	Vert(TL)	-0.01	3-4	>999	180		
TCDL	7.0	Rep Stress Incr	NO	WB	0.13	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-P								
BCDL	8.0										Weight: 83 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x6 SPF 2100F 1.8E
WEBS 2x4 DF Stud
WEDGE Left: 2x4 HF 2400F 2.0E
Right: 2x4 HF 2400F 2.0E

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.

REACTIONS (lb/size) 1=1129/0-5-8, (min. 0-1-8), 3=1049/0-5-8, (min. 0-1-8)
Max Horiz 1=-68 (LC 4)
Max Uplift 1=-64 (LC 8), 3=-62 (LC 9)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1089/71, 2-3=-1089/70
BOT CHORD 1-5=-17/755, 5-6=-17/755, 4-6=-17/755, 4-7=-17/755, 7-8=-17/755, 3-8=-17/755
WEBS 2-4=0/792

NOTES
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Web connected as follows: 2x4 - 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 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
4) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 64 lb uplift at joint 1 and 62 lb uplift at joint 3.
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) Use Simpson Strong-Tie LUS26 (4-10d Girder, 3-10d Truss, Single Ply Girder) or equivalent spaced at 2-0-0 oc max. starting at 0-7-4 from the left end to 7-4-12 to connect truss(es) J04 (1 ply 2x4 DF) to back face of bottom chord.
10) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-2=-104, 2-3=-104, 1-3=-16
Concentrated Loads (lb)
Vert: 4=-230 (B), 5=-235 (B), 6=-230 (B), 7=-230 (B), 8=-230 (B)

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	G12	Roof Special Girder	1	**2**	Job Reference (optional)

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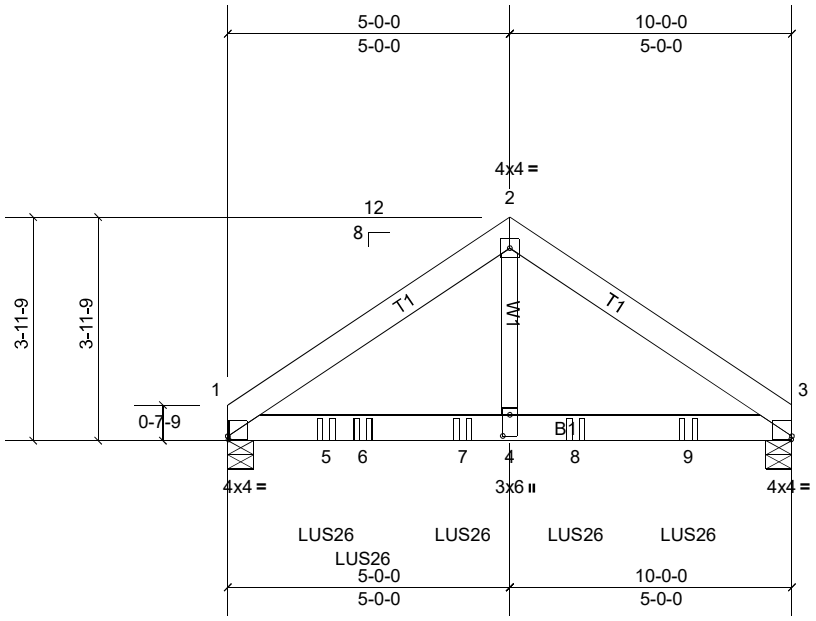

Scale = 1:40.8

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

Loading	(psf)	**Spacing**	2-0-0	**CSI**		**DEFL**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	45.0	Plate Grip DOL	1.15	TC	0.12	Vert(LL)	-0.05	1-4	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.44	Vert(TL)	-0.07	1-4	>999	180		
TCDL	7.0	Rep Stress Incr	NO	WB	0.45	Horiz(TL)	-0.01	1	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 89 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x6 SPF 2100F 1.8E
WEBS 2x4 DF 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.

REACTIONS (lb/size) 1=2781/0-5-8, (min. 0-1-12), 3=2370/0-5-8, (min. 0-1-8)
Max Horiz 3=67 (LC 20)
Max Uplift 1=-199 (LC 8), 3=-168 (LC 9)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2928/223, 1-2=-2908/221
BOT CHORD 1-5=-145/2303, 5-6=-145/2303, 6-7=-145/2303, 4-7=-145/2303, 4-8=-145/2303, 8-9=-145/2303, 3-9=-145/2303
WEBS 2-4=-149/2696

NOTES
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-8-0 oc.
Web connected as follows: 2x4 - 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 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
4) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 168 lb uplift at joint 3 and 199 lb uplift at joint 1.
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) Use Simpson Strong-Tie LUS26 (4-10d Girder, 4-10d Truss) or equivalent spaced at 1-9-4 oc max. starting at 1-8-15 from the left end to 4-2-0 to connect truss(es) S07A (1 ply 2x4 DF) to front face of bottom chord.
10) Use Simpson Strong-Tie LUS26 (4-10d Girder, 4-10d Truss) or equivalent spaced at 2-0-0 oc max. starting at 6-2-0 from the left end to 8-2-0 to connect truss(es) S07 (1 ply 2x4 DF) to front face of bottom chord.
11) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 2-3=-104, 1-2=-104, 1-3=-16
Concentrated Loads (lb)
Vert: 5=-807 (F), 6=-807 (F), 7=-807 (F), 8=-793 (F), 9=-793 (F)

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	G16	Roof Special Girder	1	**2**	Job Reference (optional)

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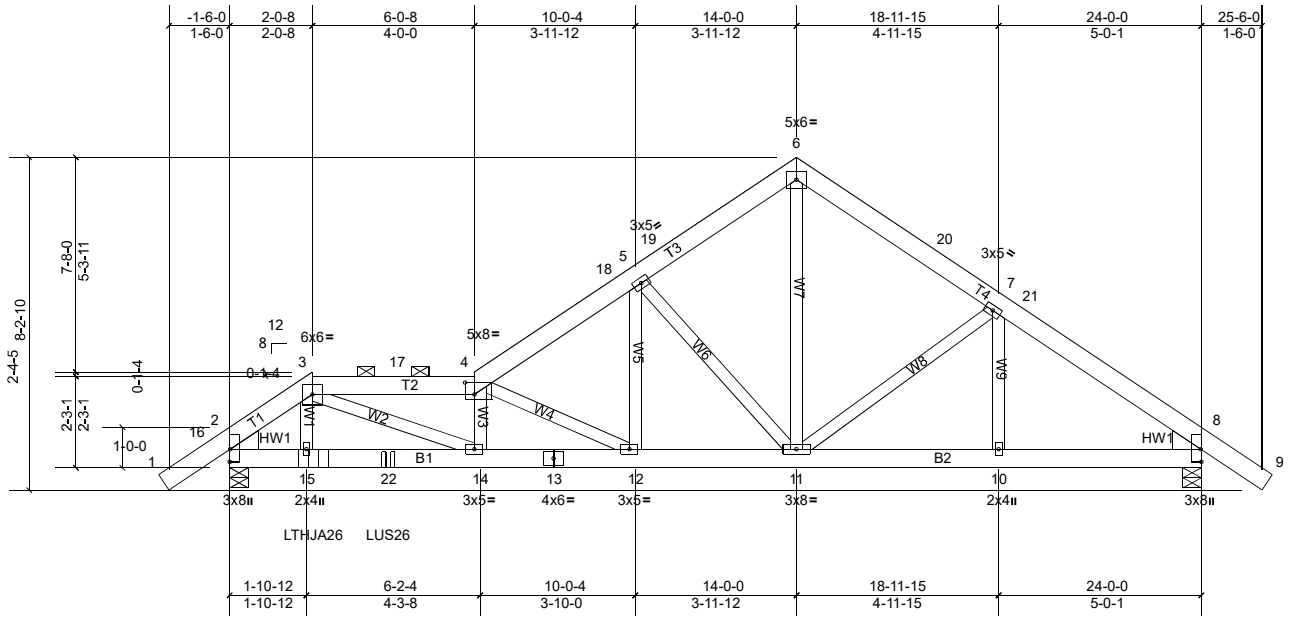

Scale = 1:56.9

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

Loading	(psf)	**Spacing**	2-0-0	**CSI**		**DEFL**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	45.0	Plate Grip DOL	1.15	TC	0.16	Vert(LL)	-0.07	12-14	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.19	Vert(TL)	-0.10	12-14	>999	180		
TCDL	7.0	Rep Stress Incr	NO	WB	0.42	Horiz(TL)	0.02	8	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 307 lb	FT = 0%

LUMBER

TOP CHORD	2x6 SPF 2100F 1.8E
BOT CHORD	2x6 SPF 2100F 1.8E
WEBS	2x4 DF Stud
WEDGE	Left: 2x6 SPF No.2 Right: 2x6 SPF No.2

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 3-4.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=1688/0-5-8, (min. 0-1-8), 8=1619/0-5-8, (min. 0-1-8)
Max Horiz 2=-150 (LC 8)
Max Uplift 2=-225 (LC 10), 8=-121 (LC 11)
Max Grav 2=2035 (LC 31), 8=1619 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD	2-3=-2227/254, 3-17=-3760/327, 4-17=-3760/327, 4-18=-2707/182, 5-18=-2376/193, 5-19=-1697/138, 6-19=-1465/155, 6-20=-1411/168, 7-20=-1526/147, 7-21=-1661/123, 8-21=-1971/120
BOT CHORD	2-15=-231/1456, 15-22=-227/1439, 14-22=-227/1439, 13-14=-350/3675, 12-13=-350/3675, 11-12=-148/2151, 10-11=-47/1419, 8-10=-47/1419
WEBS	3-14=-142/2537, 4-14=-1074/117, 4-12=-1676/223, 5-12=-58/811, 5-11=-1409/183, 6-11=-110/1186, 7-11=-529/126

NOTES

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Web connected as follows: 2x4 - 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 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
4) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
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 45.0 psf on overhangs non-concurrent with other live loads.
7) Provide adequate drainage to prevent water ponding.
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 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 225 lb uplift at joint 2 and 121 lb uplift at joint 8.
11) 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.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) Use Simpson Strong-Tie LTHJA26 (LTHJA26 on 2 ply, Right Hand Hip) or equivalent at 2-0-14 from the left end to connect truss(es) J02 (1 ply 2x4 DF), CJ01 (1 ply 2x4 DF) to back face of bottom chord, skewed 0.0 deg.to the left, sloping 0.0 deg. down.
14) Use Simpson Strong-Tie LUS26 (With 1-10d nails into Girder & 1-10d nails into Truss) or equivalent at 3-11-0 from the left end to connect truss(es) J03 (1 ply 2x4 DF) to back face of bottom chord.
15) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	G16	Roof Special Girder	1	**2**	Job Reference (optional)

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-3=-104, 3-4=-104, 4-6=-104, 6-9=-104, 2-8=-16
Concentrated Loads (lb)
Vert: 15=-16 (B), 22=-80 (B)

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	G19	Roof Special Girder	1	**2**	Job Reference (optional)

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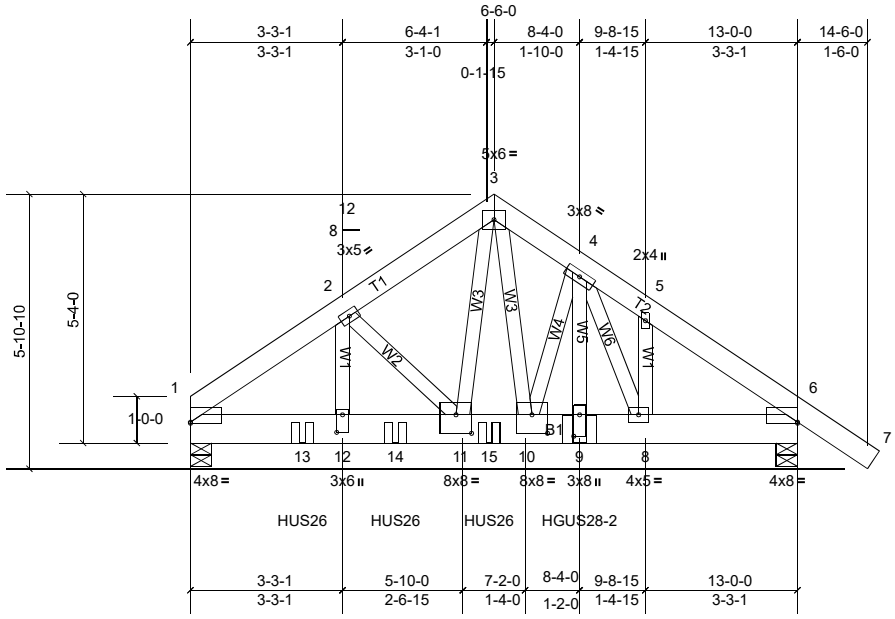

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Plate Offsets (X, Y): [1:Edge,0-0-5], [6:Edge,0-0-5], [9:0-5-8,0-1-8], [10:0-4-0,0-4-12], [11:0-4-0,0-4-12], [12:0-4-8,0-1-8]

Loading	(psf)	**Spacing**	2-0-0	**CSI**		**DEFL**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	45.0	Plate Grip DOL	1.15	TC	0.38	Vert(LL)	-0.04	9	>999	240	MT20	185/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.43	Vert(TL)	-0.05	9-10	>999	180		
TCDL	7.0	Rep Stress Incr	NO	WB	0.45	Horiz(TL)	0.02	6	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 196 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x8 HF 1950F 1.7E
WEBS 2x4 DF 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.

REACTIONS (lb/size) 1=4682/0-5-8, (min. 0-2-15), 6=4447/0-5-8, (min. 0-2-12)
Max Horiz 1=-101 (LC 4)
Max Uplift 1=-346 (LC 8), 6=-429 (LC 9)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-6447/476, 2-3=-5178/459, 3-4=-5083/486, 4-5=-5651/587, 5-6=-6153/576
BOT CHORD 1-13=-372/4820, 12-13=-372/4820, 12-14=-372/4820, 11-14=-372/4820, 11-15=-293/3935, 10-15=-293/3935, 9-10=-384/4568, 8-9=-384/4568, 6-8=-399/4575
WEBS 4-9=-185/1256, 5-8=-132/462, 2-12=-51/1610, 2-11=-752/82, 3-11=-145/2451, 3-10=-343/2676, 4-10=-790/207

NOTES
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-5-0 oc.
Web connected as follows: 2x4 - 1 row at 0-9-0 oc, Except member 4-9 2x4 - 1 row at 0-2-0 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 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
4) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
5) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 45.0 psf on overhangs non-concurrent with other live loads.
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 3-06-00 tall by 1-00-00 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 346 lb uplift at joint 1 and 429 lb uplift at joint 6.
9) 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.
10) Use Simpson Strong-Tie HUS26 (14-10d Girder, 4-10d Truss, Single Ply Girder) or equivalent spaced at 4-0-0 oc max. starting at 2-4-12 from the left end to 6-4-12 to connect truss(es) T18 (1 ply 2x4 DF), H01 (1 ply 2x4 DF) to back face of bottom chord.
11) Use Simpson Strong-Tie HUS26 (14-10d Girder, 6-10d Truss, Single Ply Girder) or equivalent at 4-4-12 from the left end to connect truss(es) H02 (1 ply 2x4 DF) to back face of bottom chord.
12) Use Simpson Strong-Tie HGUS28-2 (36-10d Girder, 6-10d Truss) or equivalent at 8-4-0 from the left end to connect truss(es) G09 (2 ply 2x6 SPF) to back face of bottom chord.
13) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-3=-104, 3-7=-104, 1-6=-16
Concentrated Loads (lb)
Vert: 9=-3089 (B), 13=-1150 (B), 14=-1738 (B), 15=-1454 (B)

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	H01	Hip	1	1	Job Reference (optional)

Run: 8.22 S Sep 9 2018 Print: 8.230 S Jan 20 2019 MiTek Industries, Inc. Thu Jan 31 13:49:05 Page: 1
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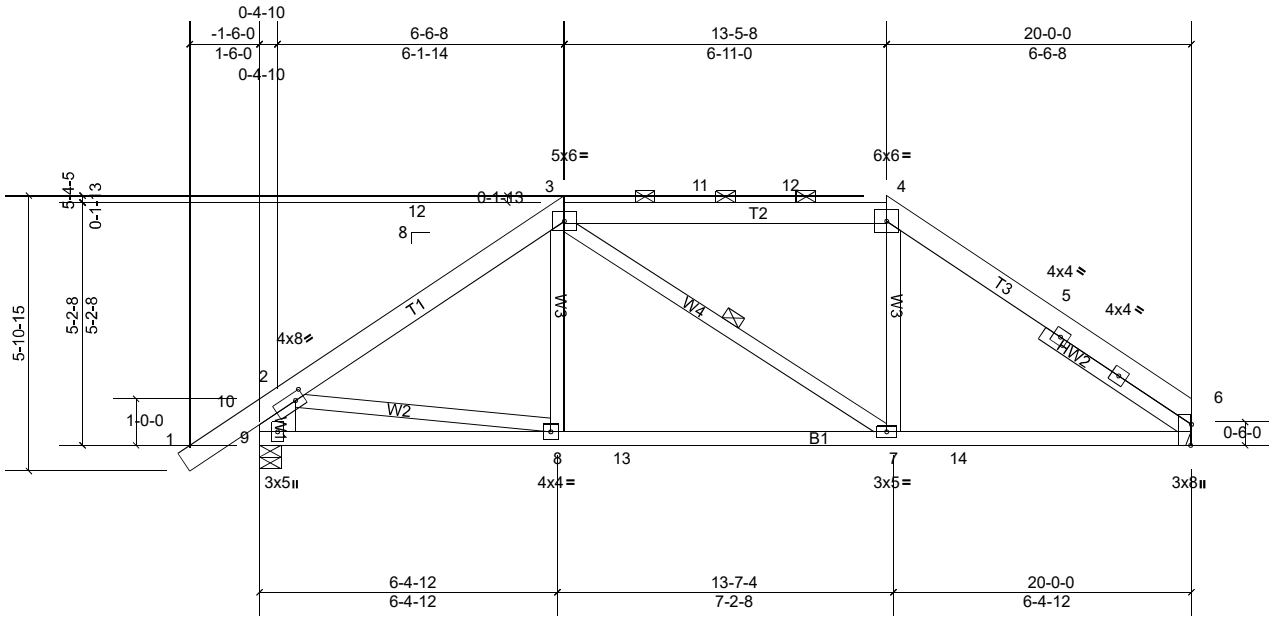

Scale = 1:49.4

Plate Offsets (X, Y): [2:0-2-4,0-2-0], [6:0-5-6,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.51	Vert(LL)	-0.05	7-8	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.22	Vert(TL)	-0.10	7-8	>999	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.36	Horiz(TL)	0.03	6	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 110 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF Stud *Except* W1:2x10 HF SS
SLIDER Right 2x4 DF Stud -- 3-10-2

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-4.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 3-7

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

REACTIONS (lb/size) 6=1166/ Mechanical, (min. 0-1-8), 9=1397/0-5-8, (min. 0-2-0)
Max Horiz 9=-112 (LC 8)
Max Uplift 6=-55 (LC 11), 9=-89 (LC 10)
Max Grav 6=1470 (LC 29), 9=1863 (LC 29)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1638/50, 3-11=-1208/101, 11-12=-1208/101, 4-12=-1208/101, 4-5=-1491/50, 5-6=-1732/33, 2-9=-1818/115
BOT CHORD 8-9=-259/524, 8-13=-65/1186, 7-13=-65/1186, 7-14=-8/1211, 6-14=-8/1211
WEBS 3-7=-158/270, 4-7=-24/251, 2-8=-75/1074

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
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 45.0 psf on overhangs non-concurrent with other live loads.
5) Provide adequate drainage to prevent water ponding.
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 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members, with BCDL = 8.0psf.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 55 lb uplift at joint 6 and 89 lb uplift at joint 9.
10) 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.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	H02	Hip	1	1	Job Reference (optional)

Run: 8.22 S Sep 9 2018 Print: 8.230 S Jan 20 2019 MiTek Industries, Inc. Thu Jan 31 13:49:06 Page: 1
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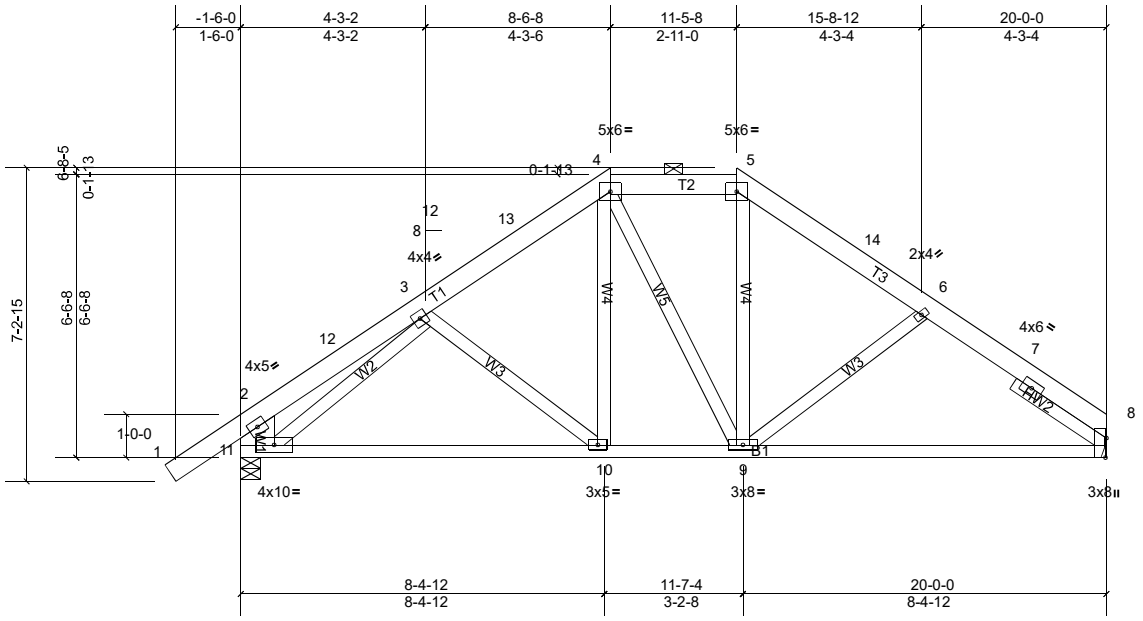

Scale = 1:53.2

Plate Offsets (X, Y): [8:0-5-6,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.22	Vert(LL)	-0.10	8-9	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.28	Vert(TL)	-0.23	8-9	>999	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.72	Horiz(TL)	0.04	8	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 123 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF Stud *Except* W1:2x10 HF SS
SLIDER Right 2x4 DF Stud -- 2-6-15

REACTIONS (lb/size) 8=1166/ Mechanical, (min. 0-1-8), 11=1397/0-5-8, (min. 0-2-5)
Max Horiz 11=-138 (LC 8)
Max Uplift 8=-66 (LC 11), 11=-101 (LC 10)
Max Grav 8=1754 (LC 29), 11=2158 (LC 29)

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-5.
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.

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-12=-540/206, 3-12=-274/232, 3-13=-1706/80, 4-13=-1465/90, 4-5=-1260/110, 5-14=-1516/93, 6-14=-1744/80, 6-7=-2137/118, 7-8=-2338/104, 2-11=-976/86
BOT CHORD 10-11=-94/1496, 9-10=-10/1227, 8-9=-32/1683
WEBS 4-10=-19/280, 4-9=-170/256, 5-9=-14/353, 6-9=-522/139, 3-10=-330/120, 3-11=-1674/79

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
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 45.0 psf on overhangs non-concurrent with other live loads.
5) Provide adequate drainage to prevent water ponding.
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 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 66 lb uplift at joint 8 and 101 lb uplift at joint 11.
10) 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.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	J0L	Jack-Open	1	1	Job Reference (optional)

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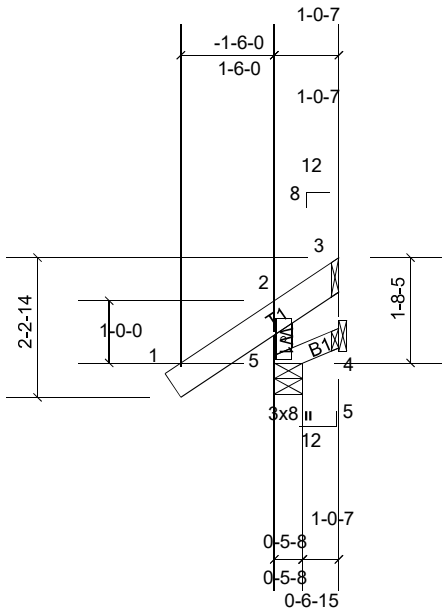


Scale = 1:37

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.41	Vert(LL)	0.00	4-5	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.14	Vert(TL)	0.00	4-5	>999	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.00	4	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-R								
BCDL	8.0										Weight: 8 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF Stud

BRACING
TOP CHORD Structural wood sheathing directly applied or 1-0-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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

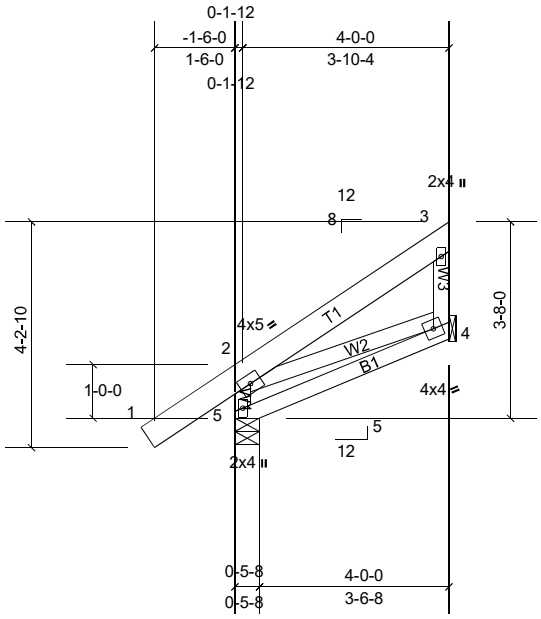
REACTIONS (lb/size) 4=-132/ Mechanical, (min. 0-1-8), 5=423/0-5-8, (min. 0-1-8)
Max Horiz 5=61 (LC 5)
Max Uplift 4=-132 (LC 1), 5=-43 (LC 8)
Max Grav 4=5 (LC 8), 5=423 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-277/50

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 45.0 psf on overhangs non-concurrent with other live loads.
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 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Bearing at joint(s) 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 43 lb uplift at joint 5 and 132 lb uplift at joint 4.
9) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	J01	Jack-Closed	4	1	Job Reference (optional)



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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.15	Vert(LL)	-0.01	4-5	>999	240	MT20	220/195
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.08	Vert(TL)	-0.02	4-5	>999	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	0.00	4	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-P								
BCDL	8.0										Weight: 26 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF Stud

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins, except end verticals.
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) 4=178/ Mechanical, (min. 0-1-8), 5=451/0-5-8, (min. 0-1-8)
Max Horiz 5=92 (LC 5)
Max Uplift 4=-41 (LC 8), 5=-36 (LC 8)
Max Grav 4=178 (LC 1), 5=482 (LC 14)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-452/85

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 45.0 psf on overhangs non-concurrent with other live loads.
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 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Bearing at joint(s) 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 36 lb uplift at joint 5 and 41 lb uplift at joint 4.
9) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	J01L	Jack-Open	1	1	Job Reference (optional)

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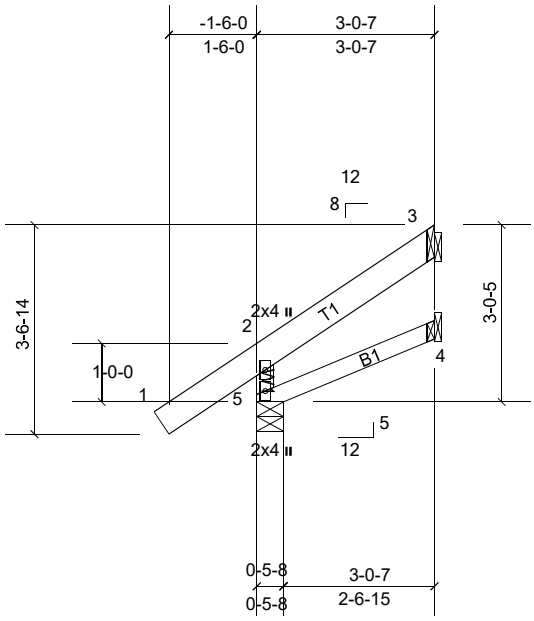

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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.15	Vert(LL)	0.00	4-5	>999	240	MT20	220/195
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.05	Vert(TL)	-0.01	4-5	>999	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	-0.01	3	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-R								
BCDL	8.0										Weight: 16 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF Stud

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-0-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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

REACTIONS (lb/size) 3=95/ Mechanical, (min. 0-1-8), 4=17/ Mechanical, (min. 0-1-8), 5=412/0-5-8, (min. 0-1-8)
Max Horiz 5=79 (LC 8)
Max Uplift 3=-72 (LC 14), 5=-22 (LC 8)
Max Grav 3=95 (LC 1), 4=45 (LC 3), 5=494 (LC 14)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-456/45

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 45.0 psf on overhangs non-concurrent with other live loads.
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 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Bearing at joint(s) 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 22 lb uplift at joint 5 and 72 lb uplift at joint 3.
9) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	J01R	Jack-Open	1	1	Job Reference (optional)

Run: 8.22 S Sep 9 2018 Print: 8.230 S Jan 20 2019 MiTek Industries, Inc. Thu Jan 31 13:49:08 Page: 1
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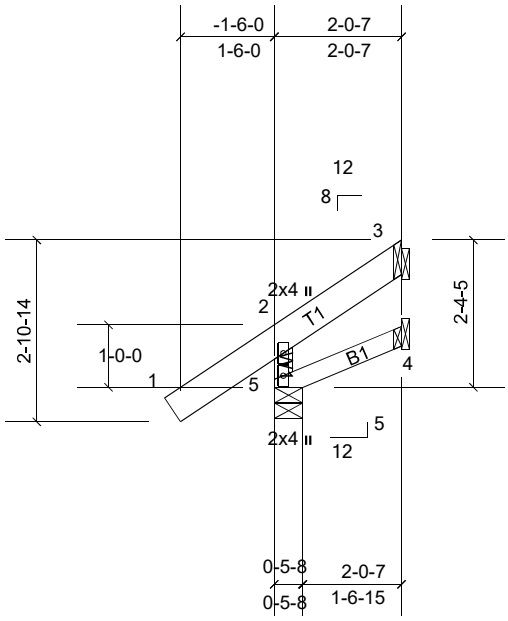

Scale = 1:36.9

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.15	Vert(LL)	0.00	4-5	>999	240	MT20	220/195
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.04	Vert(TL)	0.00	4-5	>999	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	-0.01	3	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-R								
BCDL	8.0										Weight: 12 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF Stud

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-0-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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

REACTIONS (lb/size) 3=14/ Mechanical, (min. 0-1-8), 4=6/ Mechanical, (min. 0-1-8), 5=383/0-5-8, (min. 0-1-8)
Max Horiz 5=59 (LC 8)
Max Uplift 3=-136 (LC 14), 4=-4 (LC 14), 5=-27 (LC 8)
Max Grav 3=22 (LC 16), 4=29 (LC 3), 5=538 (LC 14)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-505/45

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 45.0 psf on overhangs non-concurrent with other live loads.
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 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Bearing at joint(s) 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 27 lb uplift at joint 5, 136 lb uplift at joint 3 and 4 lb uplift at joint 4.
9) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	J02	Jack-Closed	1	1	Job Reference (optional)

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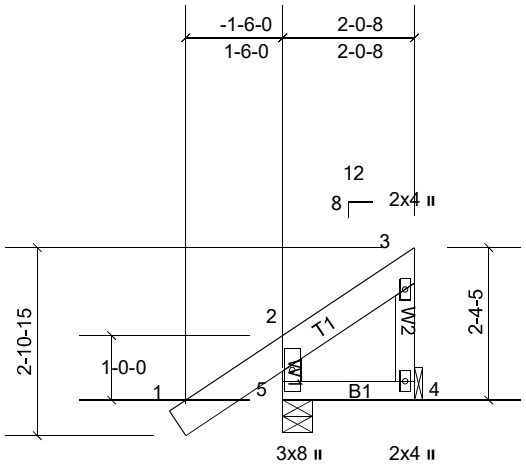


Scale = 1:35.7

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.15	Vert(LL)	0.00	4-5	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.02	Vert(TL)	0.00	4-5	>999	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.00	4	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-R								
BCDL	8.0										Weight: 13 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF Stud

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-0-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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

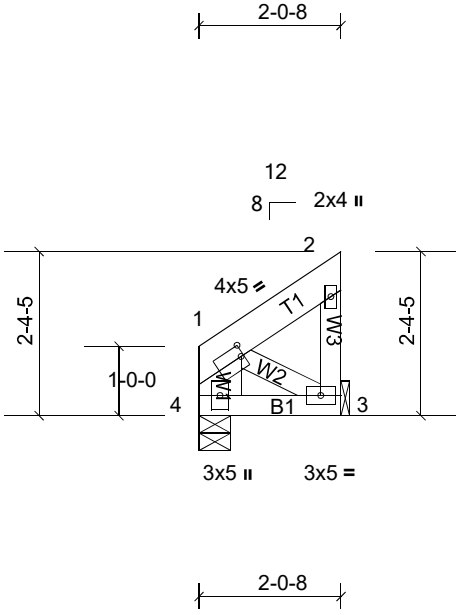
REACTIONS (lb/size) 4=12/ Mechanical, (min. 0-1-8), 5=383/0-5-8, (min. 0-1-8)
Max Horiz 5=78 (LC 7)
Max Uplift 4=-148 (LC 14), 5=-47 (LC 8)
Max Grav 4=36 (LC 4), 5=544 (LC 14)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-513/60

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 45.0 psf on overhangs non-concurrent with other live loads.
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 3-06-00 tall by 1-00-00 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 47 lb uplift at joint 5 and 148 lb uplift at joint 4.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	J03	Jack-Closed	1	1	Job Reference (optional)



Scale = 1:33.1

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.03	Vert(LL)	0.00	3-4	>999	240	MT20	185/148
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.01	Vert(TL)	0.00	3-4	>999	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.01	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-P								
BCDL	8.0										Weight: 13 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF Stud *Except* W1:2x8 HF 1950F 1.7E

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-0-8 oc purlins, except end verticals.
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) 3=96/ Mechanical, (min. 0-1-8), 4=96/0-5-8, (min. 0-1-8)
Max Horiz 4=53 (LC 5)
Max Uplift 3=-31 (LC 5), 4=-5 (LC 4)
Max Grav 3=100 (LC 15), 4=96 (LC 16)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 5 lb uplift at joint 4 and 31 lb uplift at joint 3.
7) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	J04	Jack-Closed	6	1	Job Reference (optional)

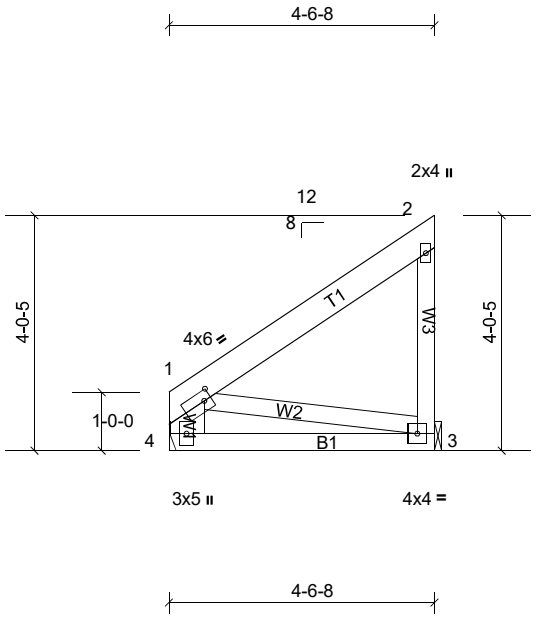


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Plate Offsets (X, Y): [1:0-1-8,0-2-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.12	Vert(LL)	-0.01	3-4	>999	240	MT20	185/148
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.10	Vert(TL)	-0.03	3-4	>999	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.02	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-P								
BCDL	8.0										Weight: 27 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF Stud *Except* W1:2x8 HF 1950F 1.7E

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-6-8 oc purlins, except end verticals.
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) 3=246/ Mechanical, (min. 0-1-8), 4=246/ Mechanical, (min. 0-1-8)
Max Horiz 4=103 (LC 7)
Max Uplift 3=-45 (LC 8), 4=-5 (LC 8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 5 lb uplift at joint 4 and 45 lb uplift at joint 3.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	J04L	Jack-Open	1	1	Job Reference (optional)

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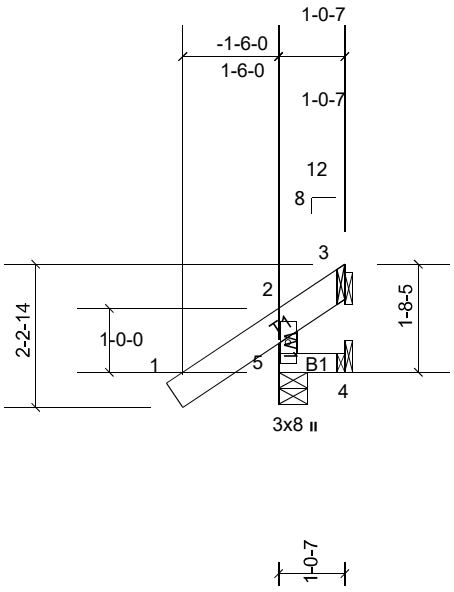


Scale = 1:36.1

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.15	Vert(LL)	0.00	4-5	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.03	Vert(TL)	0.00	4-5	>999	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-R								
BCDL	8.0										Weight: 8 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF Stud

BRACING
TOP CHORD Structural wood sheathing directly applied or 1-0-7 oc purlins, except end verticals.
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.

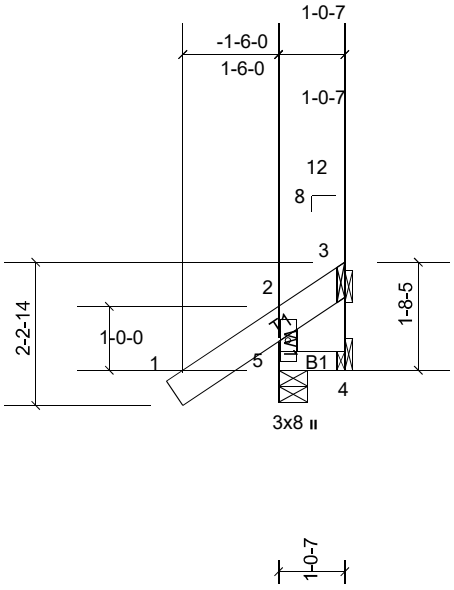
REACTIONS (lb/size) 3=-125/ Mechanical, (min. 0-1-8), 4=-9/ Mechanical, (min. 0-1-8), 5=423/0-5-8, (min. 0-1-8)
Max Horiz 5=41 (LC 8)
Max Uplift 3=-311 (LC 14), 4=-23 (LC 14), 5=-48 (LC 8)
Max Grav 3=15 (LC 12), 4=13 (LC 3), 5=704 (LC 14)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-667/63

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 45.0 psf on overhangs non-concurrent with other live loads.
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 3-06-00 tall by 1-00-00 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 48 lb uplift at joint 5, 311 lb uplift at joint 3 and 23 lb uplift at joint 4.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	J04R	Jack-Closed	1	1	Job Reference (optional)



Scale = 1:36.1

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.15	Vert(LL)	0.00	4-5	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.03	Vert(TL)	0.00	4-5	>999	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-R								
BCDL	8.0										Weight: 8 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF Stud

BRACING
TOP CHORD Structural wood sheathing directly applied or 1-0-7 oc purlins, except end verticals.
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) 3=-125/ Mechanical, (min. 0-1-8), 4=-9/ Mechanical, (min. 0-1-8), 5=423/0-5-8, (min. 0-1-8)
Max Horiz 5=41 (LC 8)
Max Uplift 3=-311 (LC 14), 4=-23 (LC 14), 5=-48 (LC 8)
Max Grav 3=15 (LC 12), 4=13 (LC 3), 5=704 (LC 14)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-667/63

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 45.0 psf on overhangs non-concurrent with other live loads.
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 3-06-00 tall by 1-00-00 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 48 lb uplift at joint 5, 311 lb uplift at joint 3 and 23 lb uplift at joint 4.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	J05	Jack-Closed	2	1	Job Reference (optional)

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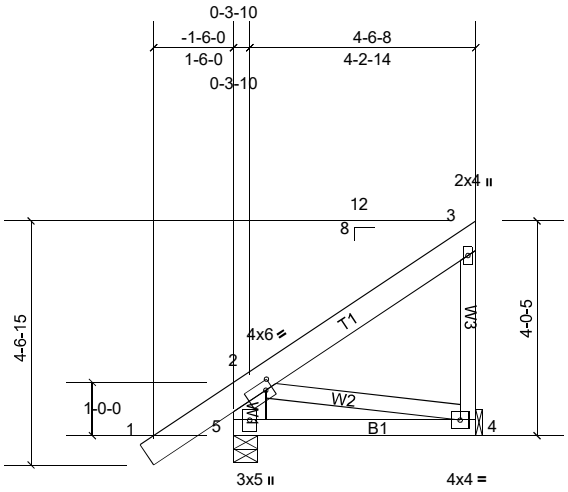

Scale = 1:43.2

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.18	Vert(LL)	-0.01	4-5	>999	240	MT20	185/148
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.10	Vert(TL)	-0.03	4-5	>999	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	0.00	4	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-P								
BCDL	8.0										Weight: 30 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF Stud *Except* W1:2x8 HF 1950F 1.7E

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-6-8 oc purlins, except end verticals.
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) 4=198/ Mechanical, (min. 0-1-8), 5=494/0-5-8, (min. 0-1-8)
Max Horiz 5=119 (LC 7)
Max Uplift 4=-41 (LC 5), 5=-45 (LC 8)
Max Grav 4=198 (LC 1), 5=524 (LC 14)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-491/65

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 45.0 psf on overhangs non-concurrent with other live loads.
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 3-06-00 tall by 1-00-00 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 45 lb uplift at joint 5 and 41 lb uplift at joint 4.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	J06	Jack-Closed	1	1	Job Reference (optional)

Run: 8.22 S Sep 9 2018 Print: 8.230 S Jan 20 2019 MiTek Industries, Inc. Thu Jan 31 13:49:10 Page: 1
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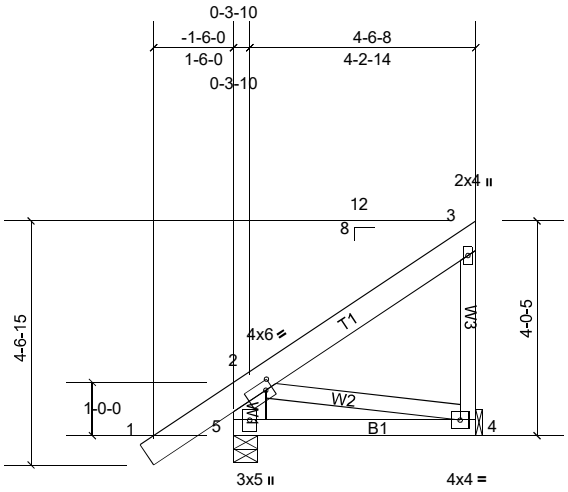

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Plate Offsets (X, Y): [2:0-1-8,0-2-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.18	Vert(LL)	-0.01	4-5	>999	240	MT20	185/148
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.10	Vert(TL)	-0.03	4-5	>999	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	0.00	4	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-P								
BCDL	8.0										Weight: 30 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF Stud *Except* W1:2x8 HF 1950F 1.7E

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-6-8 oc purlins, except end verticals.
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) 4=198/ Mechanical, (min. 0-1-8), 5=494/0-5-8, (min. 0-1-8)
Max Horiz 5=119 (LC 7)
Max Uplift 4=-41 (LC 5), 5=-45 (LC 8)
Max Grav 4=198 (LC 1), 5=524 (LC 14)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-491/65

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 45.0 psf on overhangs non-concurrent with other live loads.
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 3-06-00 tall by 1-00-00 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 45 lb uplift at joint 5 and 41 lb uplift at joint 4.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	J06L	Jack-Open	1	1	Job Reference (optional)

Run: 8.22 S Sep 9 2018 Print: 8.230 S Jan 20 2019 MiTek Industries, Inc. Thu Jan 31 13:49:11 Page: 1
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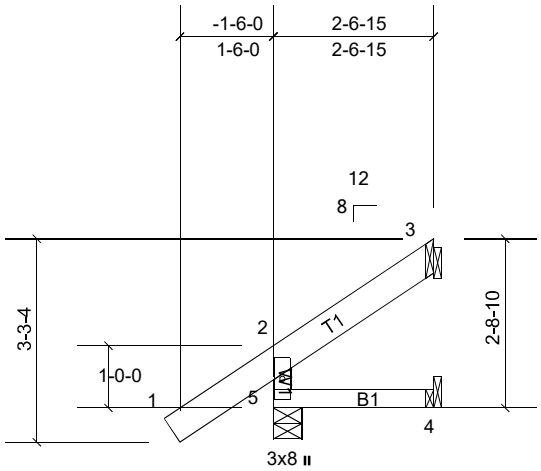

Scale = 1:37

2-6-15

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.15	Vert(LL)	0.00	4-5	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.05	Vert(TL)	0.00	4-5	>999	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	-0.01	3	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-R								
BCDL	8.0										Weight: 13 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF Stud

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-6-15 oc purlins, except end verticals.
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) 3=61/ Mechanical, (min. 0-1-8), 4=12/ Mechanical, (min. 0-1-8), 5=396/0-5-8, (min. 0-1-8)
Max Horiz 5=71 (LC 8)
Max Uplift 3=-94 (LC 14), 5=-27 (LC 8)
Max Grav 3=62 (LC 16), 4=38 (LC 3), 5=508 (LC 14)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-471/46

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 45.0 psf on overhangs non-concurrent with other live loads.
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 3-06-00 tall by 1-00-00 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 27 lb uplift at joint 5 and 94 lb uplift at joint 3.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	J06R	Jack-Open	1	1	Job Reference (optional)

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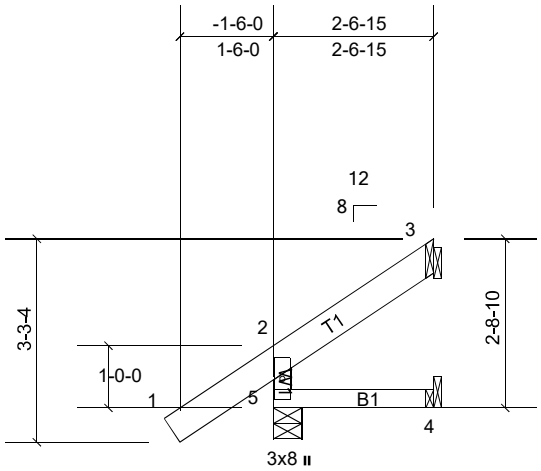

Scale = 1:37

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.15	Vert(LL)	0.00	4-5	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.05	Vert(TL)	0.00	4-5	>999	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	-0.01	3	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-R								
BCDL	8.0										Weight: 13 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF Stud

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-6-15 oc purlins, except end verticals.
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) 3=61/ Mechanical, (min. 0-1-8), 4=12/ Mechanical, (min. 0-1-8), 5=396/0-5-8, (min. 0-1-8)
Max Horiz 5=71 (LC 8)
Max Uplift 3=-94 (LC 14), 5=-27 (LC 8)
Max Grav 3=62 (LC 16), 4=38 (LC 3), 5=508 (LC 14)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-471/46

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 45.0 psf on overhangs non-concurrent with other live loads.
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 3-06-00 tall by 1-00-00 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 27 lb uplift at joint 5 and 94 lb uplift at joint 3.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	LAY01	Lay-In Gable	1	1	Job Reference (optional)

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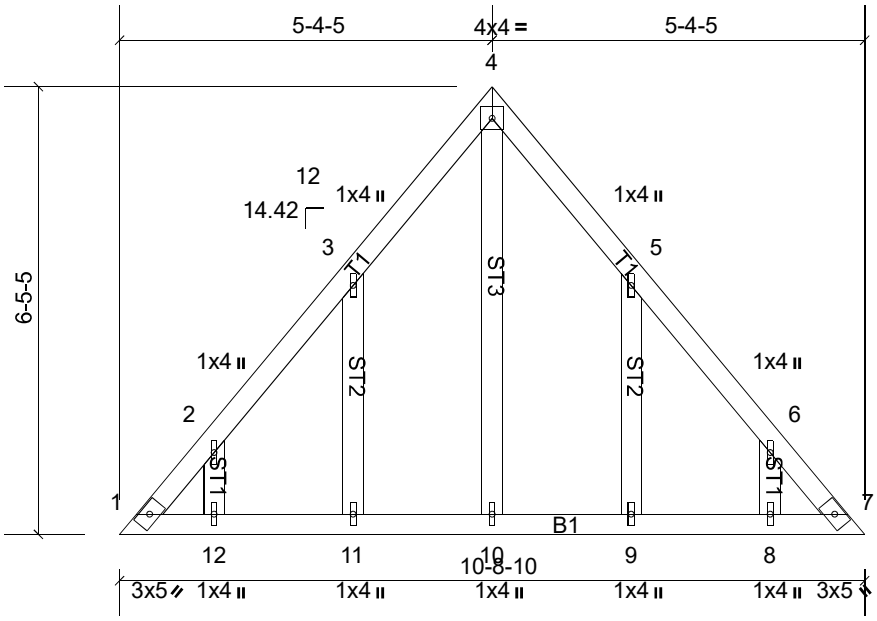


Scale = 1:33.1

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.04	Vert(LL)	n/a	-	n/a	999	MT20	220/195
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.03	Vert(TL)	n/a	-	n/a	999		
TCDL	7.0	Rep Stress Incr	YES	WB	0.07	Horiz(TL)	0.00	7	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 56 lb	FT = 0%

LUMBER
TOP CHORD 2x4 DF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
OTHERS 2x4 DF 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.

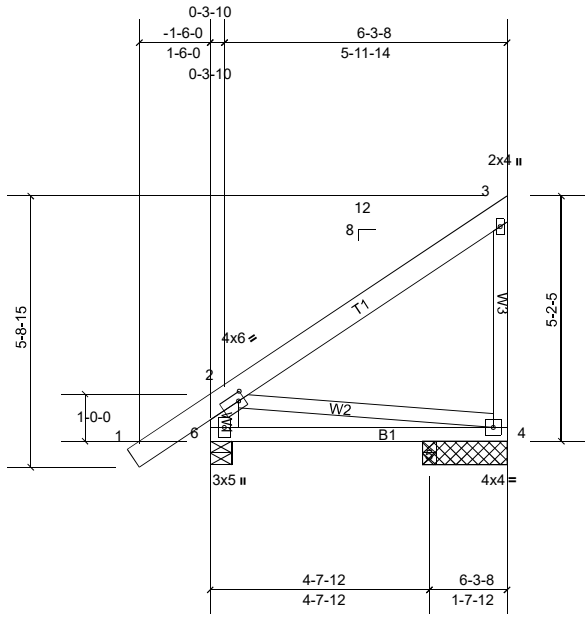
REACTIONS All bearings 10-8-10.
(lb) - Max Horiz 1=-124 (LC 6)
Max Uplift All uplift 100 (lb) or less at joint(s) 1, 7, 8, 12 except 9=-119 (LC 9), 11=-120 (LC 8)
Max Grav All reactions 250 (lb) or less at joint(s) 1, 7, 8, 10, 12 except 9=287 (LC 16), 11=288 (LC 15)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) Gable requires continuous bottom chord bearing.
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 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members, with BCDL = 8.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 7, 12, 8 except (jt=lb) 11=120, 9=119.
7) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	M01	Monopitch Structural Gable	1	1	Job Reference (optional)



Scale = 1:48.8

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.21	Vert(LL)	-0.01	5-6	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.07	Vert(TL)	-0.02	5-6	>999	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.04	Horiz(TL)	0.00	4	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-P								
BCDL	8.0										Weight: 40 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF Stud *Except* W1:2x8 HF 1950F 1.7E

REACTIONS (lb/size) 4=252/1-9-8, (min. 0-1-8), 5=60/0-3-8, (min. 0-1-8), 6=566/0-5-8, (min. 0-1-8)
Max Horiz 6=154 (LC 5)
Max Uplift 4=-97 (LC 8), 6=-59 (LC 8)
Max Grav 4=252 (LC 1), 5=135 (LC 3), 6=566 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-271/71, 2-6=-538/75

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
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.

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 45.0 psf on overhangs non-concurrent with other live loads.
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 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 97 lb uplift at joint 4 and 59 lb uplift at joint 6.
7) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	M02	Monopitch	3	1	Job Reference (optional)

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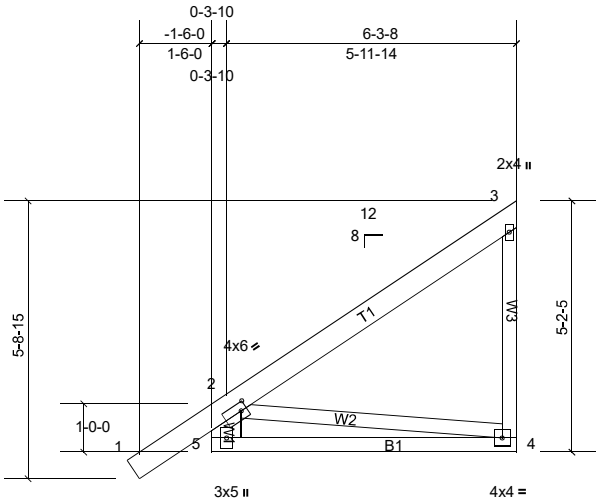


Scale = 1:47.6

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.21	Vert(LL)	-0.05	4-5	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.21	Vert(TL)	-0.12	4-5	>586	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.04	Horiz(TL)	0.00	4	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-P								
BCDL	8.0										Weight: 40 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF Stud *Except* W1:2x8 HF 1950F 1.7E

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
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.

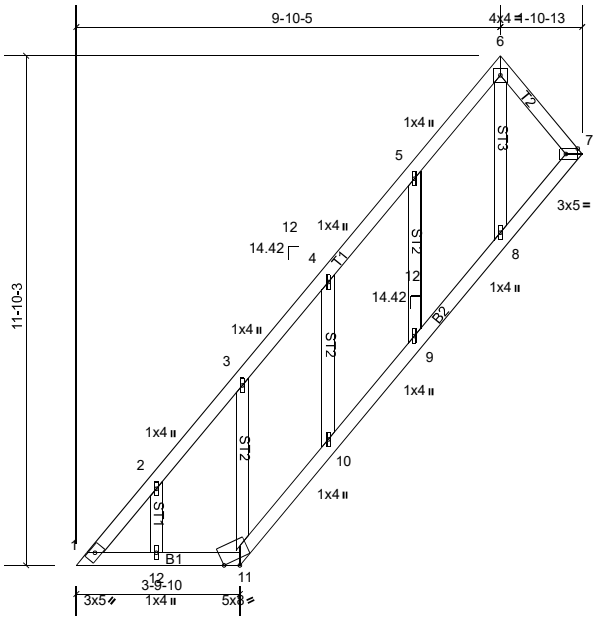
REACTIONS (lb/size) 4=318/ Mechanical, (min. 0-1-8), 5=584/0-5-8, (min. 0-1-8)
Max Horiz 5=154 (LC 5)
Max Uplift 4=-58 (LC 8), 5=-47 (LC 8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-271/71, 2-5=-538/75

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 45.0 psf on overhangs non-concurrent with other live loads.
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 3-06-00 tall by 1-00-00 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 58 lb uplift at joint 4 and 47 lb uplift at joint 5.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	R1111	Lay-In Gable	1	1	Job Reference (optional)



Scale = 1:53.6

Plate Offsets (X, Y): [7:Edge,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.04	Vert(LL)	n/a	-	n/a	999	MT20	220/195
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.02	Vert(TL)	n/a	-	n/a	999		
TCDL	7.0	Rep Stress Incr	YES	WB	0.07	Horiz(TL)	0.00	7	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 70 lb	FT = 0%

LUMBER
TOP CHORD 2x4 DF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
OTHERS 2x4 DF 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 All bearings 11-9-2.
(lb) - Max Horiz 1=312 (LC 8)
Max Uplift All uplift 100 (lb) or less at joint(s) 11 except 1=-108 (LC 6), 7=-131 (LC 8), 9=-117 (LC 8), 10=-112 (LC 8), 12=-109 (LC 8)
Max Grav All reactions 250 (lb) or less at joint(s) 7, 8, 9, 10, 11, 12 except 1=288 (LC 8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-383/179, 2-3=-277/137

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) Gable requires continuous bottom chord bearing.
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 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11 except (jt=lb) 1=107, 7=130, 9=117, 10=112, 12=109.
7) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 7, 8, 9, 10.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	RG13	Monopitch Supported Gable	1	1	Job Reference (optional)

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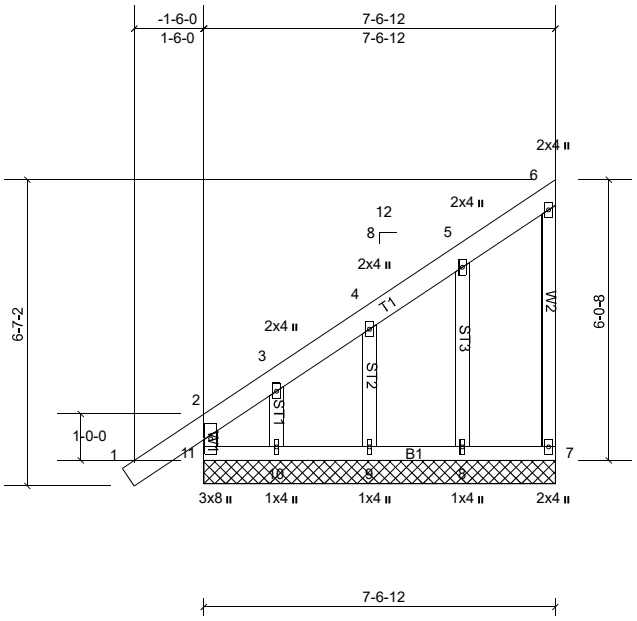

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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.19	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.03	Vert(TL)	n/a	-	n/a	999		
TCDL	7.0	Rep Stress Incr	YES	WB	0.07	Horiz(TL)	0.00	7	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-R								
BCDL	8.0										Weight: 49 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF Stud
OTHERS 2x4 DF Stud

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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

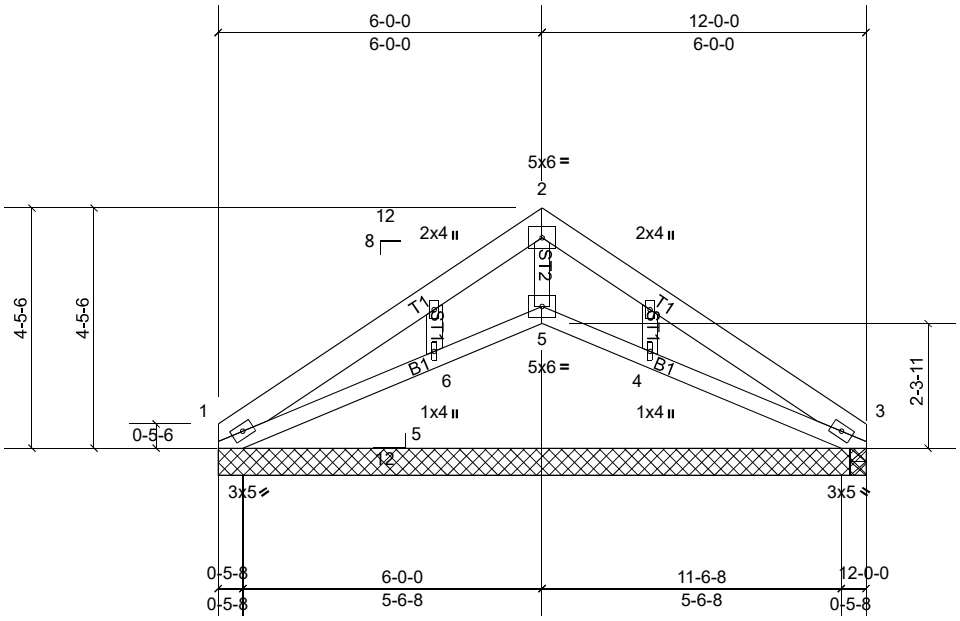
REACTIONS All bearings 7-6-12.
(lb) - Max Horiz 11=177 (LC 7)
Max Uplift All uplift 100 (lb) or less at joint(s) 7, 8, 9, 11 except 10=-213 (LC 14)
Max Grav All reactions 250 (lb) or less at joint(s) 7, 10 except 8=258 (LC 16), 9=262 (LC 1), 11=604 (LC 14)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-11=-578/50

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; 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 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
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 45.0 psf on overhangs non-concurrent with other live loads.
5) Gable requires continuous bottom chord bearing.
6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
7) Gable studs spaced at 2-0-0 oc.
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 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members, with BCDL = 8.0psf.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11, 7, 8, 9 except (jt=lb) 10=212.
11) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	RS01	Scissor Structural Gable	1	1	Job Reference (optional)



Scale = 1:42.7

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	-0.01	1-6	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.13	Vert(TL)	-0.02	3-4	>999	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.01	3	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-R								
BCDL	8.0										Weight: 48 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
OTHERS 2x4 DF 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.

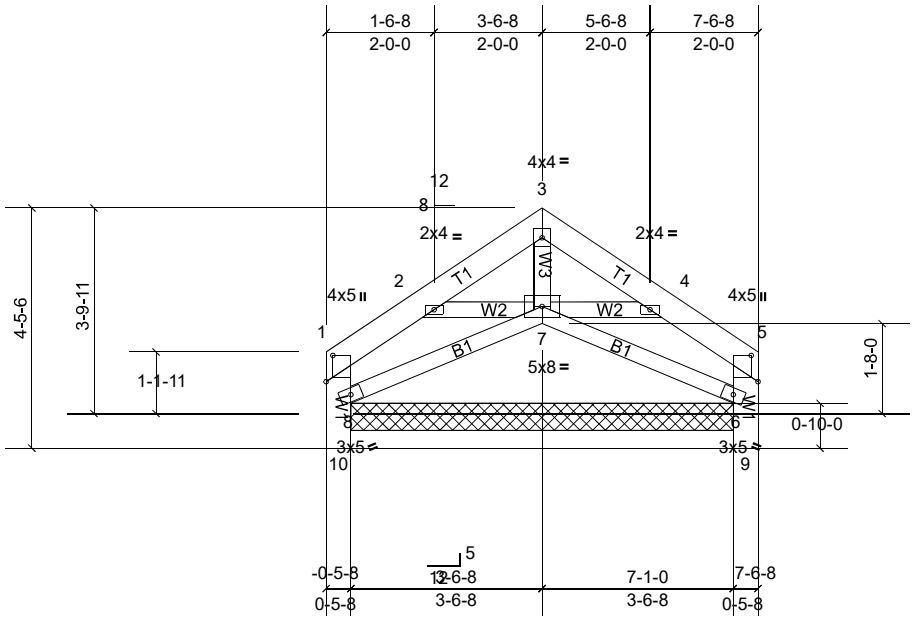
REACTIONS All bearings 12-0-0.
(lb) - Max Horiz 1=80 (LC 5)
Max Uplift All uplift 100 (lb) or less at joint(s) 1, 3, 5
Max Grav All reactions 250 (lb) or less at joint(s) 4, 6 except 1=419 (LC 1), 3=419 (LC 1), 5=371 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-702/115, 2-3=-702/115
BOT CHORD 1-6=-64/533, 5-6=-59/507, 4-5=-60/507, 3-4=-62/533

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; 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 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
4) Gable studs spaced at 2-0-0 oc.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 5.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	RS02	Scissor Structural Gable	1	1	Job Reference (optional)



Scale = 1:42.7

Plate Offsets (X, Y): [1:0-5-13,0-1-8], [5:0-5-13,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.05	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.08	Vert(TL)	n/a	-	n/a	999		
TCDL	7.0	Rep Stress Incr	YES	WB	0.12	Horiz(TL)	0.00	5	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-P								
BCDL	8.0										Weight: 42 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF Stud *Except* W1:2x6 SPF No.2

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.

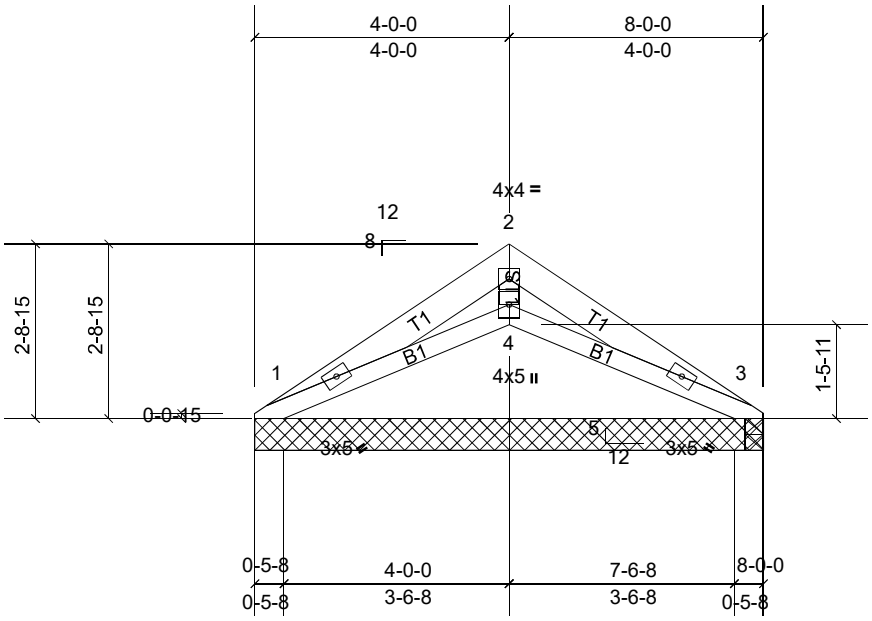
REACTIONS All bearings 7-1-0.
(lb) - Max Horiz 8=-49 (LC 4)
Max Uplift All uplift 100 (lb) or less at joint(s) 5, 7, 8
Max Grav All reactions 250 (lb) or less at joint(s) 5, 6, 8 except 7=697 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-49/378, 3-4=-49/378
WEBS 3-7=-603/75, 2-7=-270/89, 4-7=-270/89

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; 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 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 2-0-0 oc.
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 3-06-00 tall by 1-00-00 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 100 lb uplift at joint(s) 5, 8, 7.
9) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 5, 8, 6, 7.
10) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	RS06	Scissor Structural Gable	1	1	Job Reference (optional)



Scale = 1:36.2

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.05	Vert(LL)	0.00	1-4	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.07	Vert(TL)	0.00	1-4	>999	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-R								
BCDL	8.0										Weight: 29 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
OTHERS 2x4 DF Stud

REACTIONS (lb/size) 1=233/8-0-0, (min. 0-1-8), 3=233/8-0-0, (min. 0-1-8), 4=337/8-0-0, (min. 0-1-8)
Max Horiz 1=43 (LC 5)
Max Uplift 1=-26 (LC 8), 3=-38 (LC 9)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-429/68, 2-3=-429/68
BOT CHORD 1-4=-43/348, 3-4=-42/348

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.

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; 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 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
4) Gable studs spaced at 2-0-0 oc.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 26 lb uplift at joint 1 and 38 lb uplift at joint 3.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	RS07	Scissor Structural Gable	1	1	Job Reference (optional)

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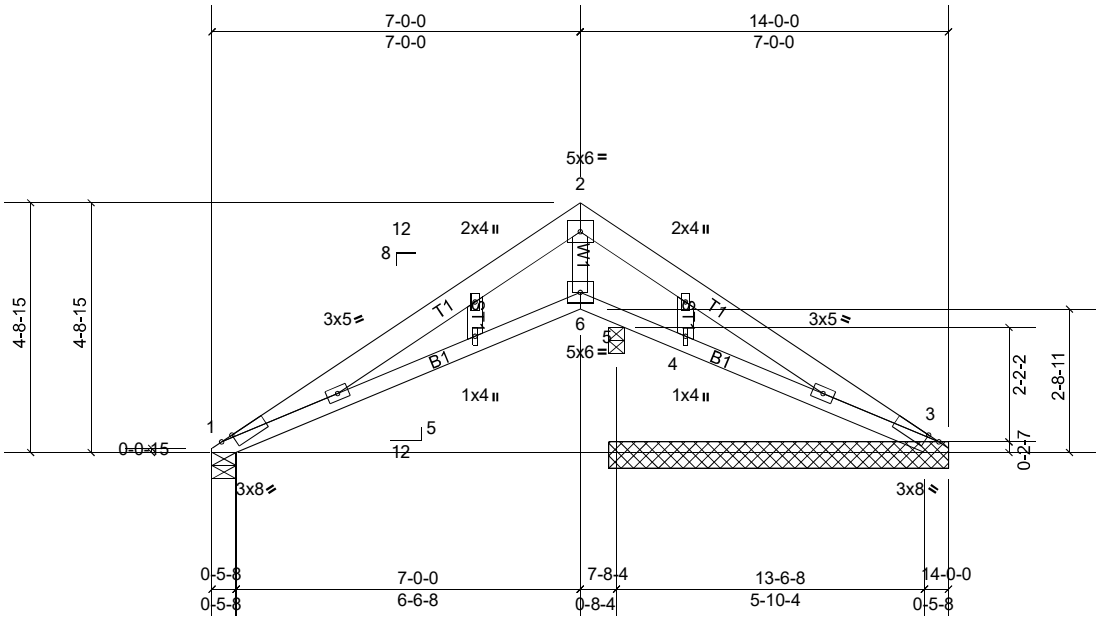


Scale = 1:43.8

Plate Offsets (X, Y): [1:0-2-13,Edge], [3:0-2-13,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.25	Vert(LL)	-0.07	1-6	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.50	Vert(TL)	-0.16	1-6	>559	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.04	Horiz(TL)	0.04	3	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 54 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF Stud
OTHERS 2x4 DF 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.

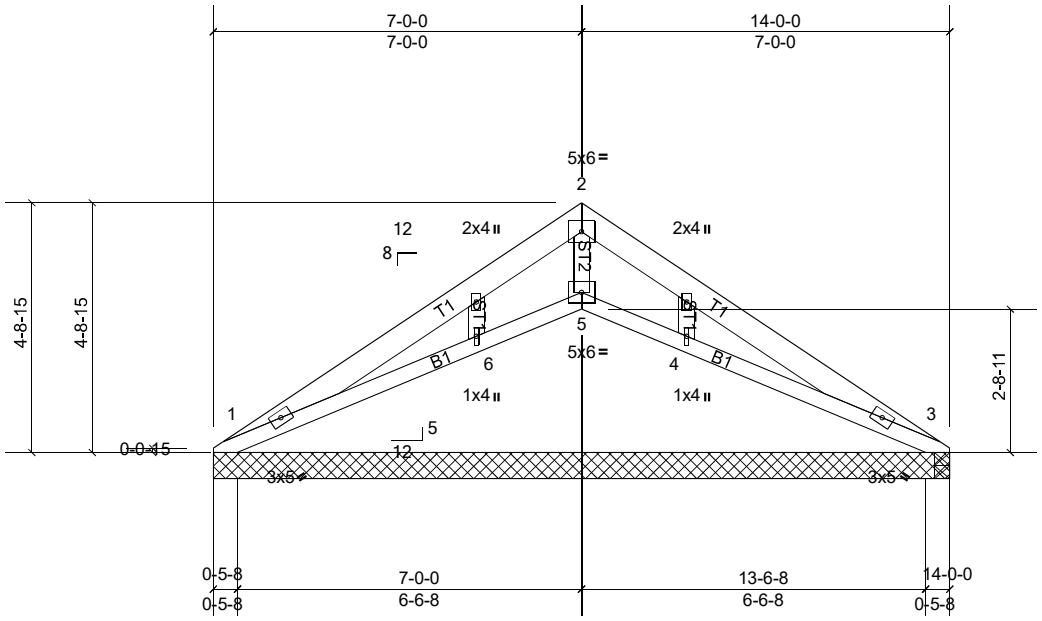
REACTIONS All bearings 6-5-8. except 1=0-5-8, 5=0-3-8
(lb) - Max Horiz 1=85 (LC 5)
Max Uplift All uplift 100 (lb) or less at joint(s) 1, 3, 5 except 4=-244 (LC 1)
Max Grav All reactions 250 (lb) or less at joint(s) 4 except 1=470 (LC 1), 3=424 (LC 1), 5=925 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-654/60, 2-3=-653/62
BOT CHORD 1-6=-22/490, 4-5=-20/595, 3-4=-16/491

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; 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 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
4) Gable studs spaced at 2-0-0 oc.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
7) Bearing at joint(s) 1, 3, 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 5 except (jt=lb) 4=244.
9) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 3, 4, 5.
10) 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.
11) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	RS07B	Scissor Structural Gable	1	1	Job Reference (optional)



Scale = 1:43.8

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.20	Vert(LL)	-0.01	1-6	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.15	Vert(TL)	-0.02	1-6	>999	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.01	3	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-R								
BCDL	8.0										Weight: 54 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
OTHERS 2x4 DF 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 All bearings 14-0-0.
(lb) - Max Horiz 1=82 (LC 5)
Max Uplift All uplift 100 (lb) or less at joint(s) 1, 3, 5
Max Grav All reactions 250 (lb) or less at joint(s) 4, 6 except 1=443 (LC 1), 3=443 (LC 1), 5=419 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-783/127, 2-3=-783/127
BOT CHORD 1-6=-76/613, 5-6=-70/583, 4-5=-71/583, 3-4=-74/613

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; 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 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
4) Gable studs spaced at 2-0-0 oc.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 5.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	S01	Scissor	6	1	Job Reference (optional)

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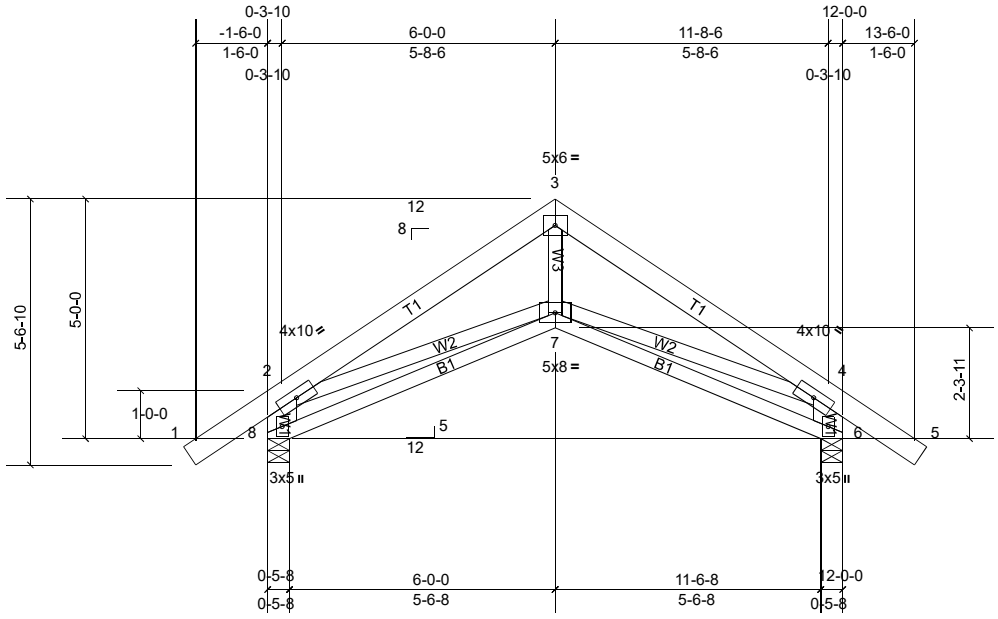

Scale = 1:48.1

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	-0.03	7-8	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.12	Vert(TL)	-0.07	7-8	>999	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.20	Horiz(TL)	0.04	6	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 72 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF Stud *Except* W1:2x8 HF 1950F 1.7E

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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

REACTIONS (lb/size) 6=884/0-5-8, (min. 0-1-8), 8=884/0-5-8, (min. 0-1-8)
Max Horiz 8=122 (LC 7)
Max Uplift 6=-76 (LC 9), 8=-76 (LC 8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1189/17, 3-4=-1189/41, 2-8=-947/135, 4-6=-947/116
BOT CHORD 7-8=-255/371, 6-7=-255/308
WEBS 3-7=0/611, 2-7=0/581, 4-7=-36/581

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 45.0 psf on overhangs non-concurrent with other live loads.
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 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
6) Bearing at joint(s) 8, 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 76 lb uplift at joint 8 and 76 lb uplift at joint 6.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	S01A	Scissor	5	1	Job Reference (optional)

Run: 8.22 S Sep 9 2018 Print: 8.230 S Jan 20 2019 MiTek Industries, Inc. Thu Jan 31 13:49:23 Page: 1
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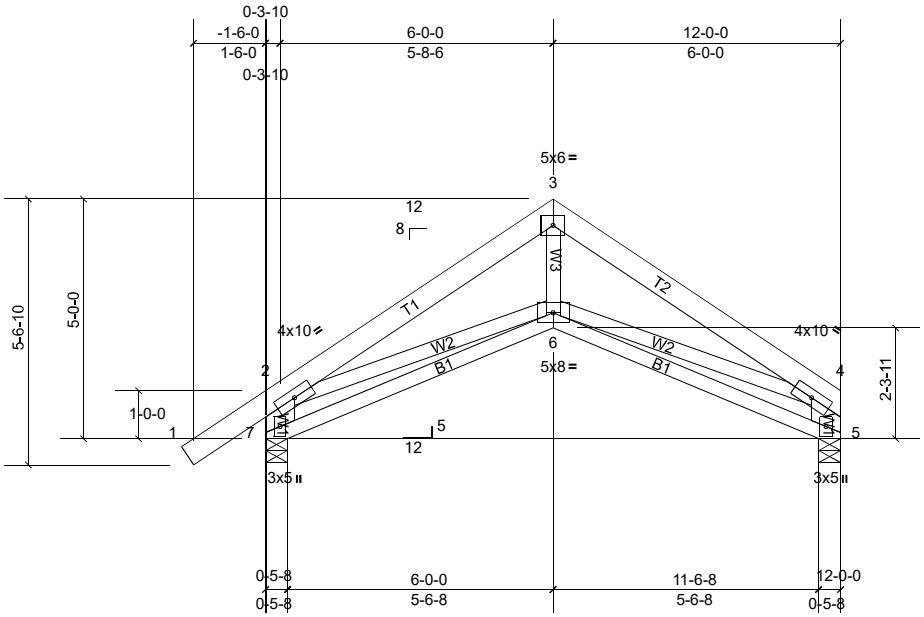

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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	-0.03	6-7	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.12	Vert(TL)	-0.07	6-7	>999	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.22	Horiz(TL)	0.04	5	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 69 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF Stud *Except* W1:2x8 HF 1950F 1.7E

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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

REACTIONS (lb/size) 5=667/0-5-8, (min. 0-1-8), 7=901/0-5-8, (min. 0-1-8)
Max Horiz 7=114 (LC 5)
Max Uplift 5=-40 (LC 9), 7=-76 (LC 8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1250/39, 3-4=-1234/62, 2-7=-962/142, 4-5=-741/87
BOT CHORD 6-7=-253/354, 5-6=-61/339
WEBS 3-6=0/643, 2-6=0/639, 4-6=-33/606

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 45.0 psf on overhangs non-concurrent with other live loads.
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 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
6) Bearing at joint(s) 7, 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 76 lb uplift at joint 7 and 40 lb uplift at joint 5.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	S01B	Scissor	1	1	Job Reference (optional)

Run: 8.22 S Sep 9 2018 Print: 8.230 S Jan 20 2019 MiTek Industries, Inc. Thu Jan 31 13:49:24 Page: 1
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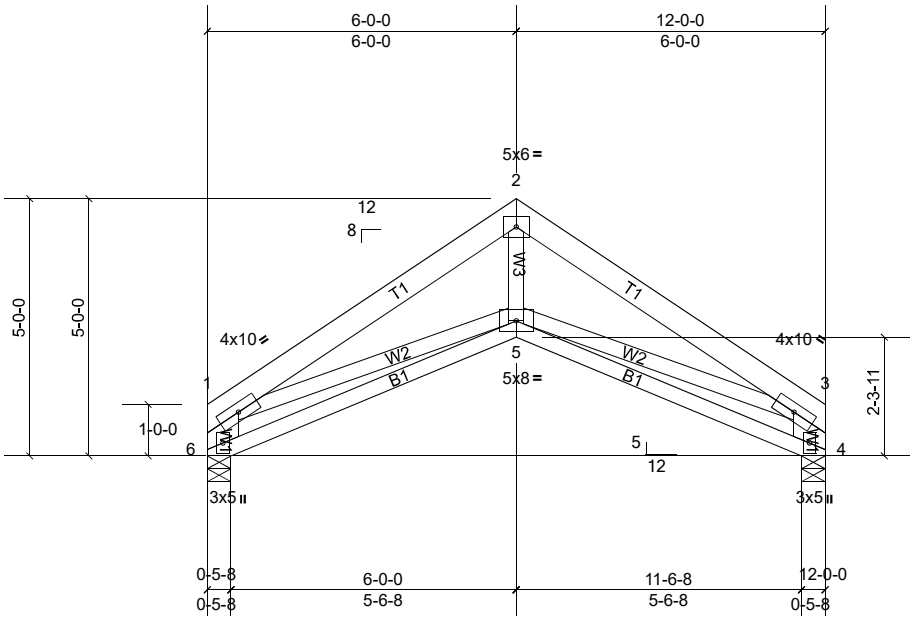


Scale = 1:44.8

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.14	Vert(LL)	-0.03	5	>999	240	MT20	185/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.12	Vert(TL)	-0.07	4-5	>999	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.23	Horiz(TL)	0.04	4	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 66 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF Stud *Except* W1:2x8 HF 1950F 1.7E

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
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.

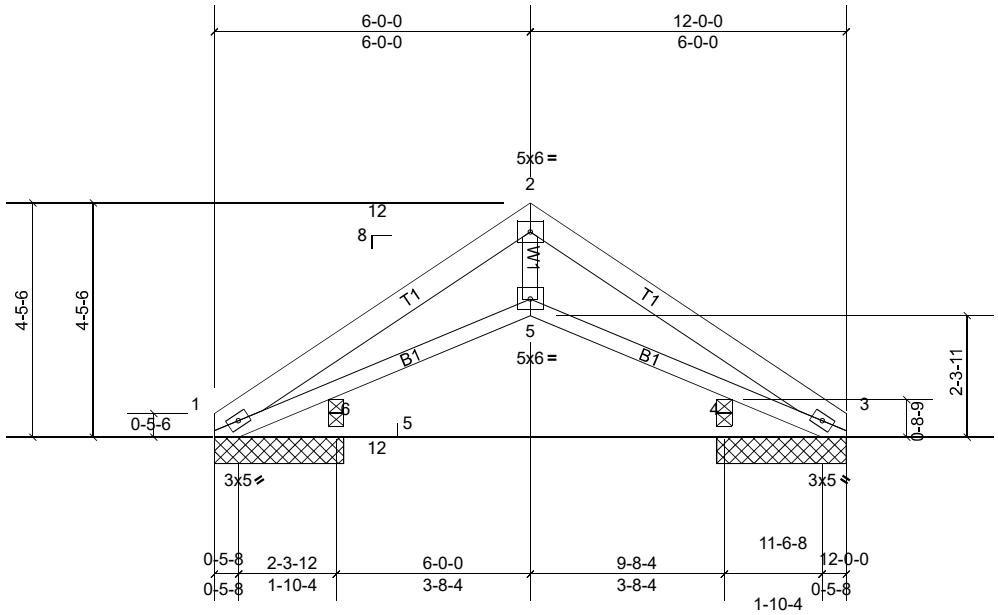
REACTIONS (lb/size) 4=684/0-5-8, (min. 0-1-8), 6=684/0-5-8, (min. 0-1-8)
Max Horiz 6=-97 (LC 4)
Max Uplift 4=-40 (LC 9), 6=-40 (LC 8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1294/45, 2-3=-1294/71, 1-6=-757/99, 3-4=-757/87
BOT CHORD 5-6=-111/372, 4-5=-61/337
WEBS 2-5=0/675, 1-5=0/663, 3-5=-36/663

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
5) Bearing at joint(s) 6, 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 40 lb uplift at joint 6 and 40 lb uplift at joint 4.
7) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	S02	Scissor Structural Gable	1	1	Job Reference (optional)



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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.18	Vert(LL)	-0.06	5	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.28	Vert(TL)	-0.08	5	>999	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.27	Horiz(TL)	0.09	3	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 46 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF 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.

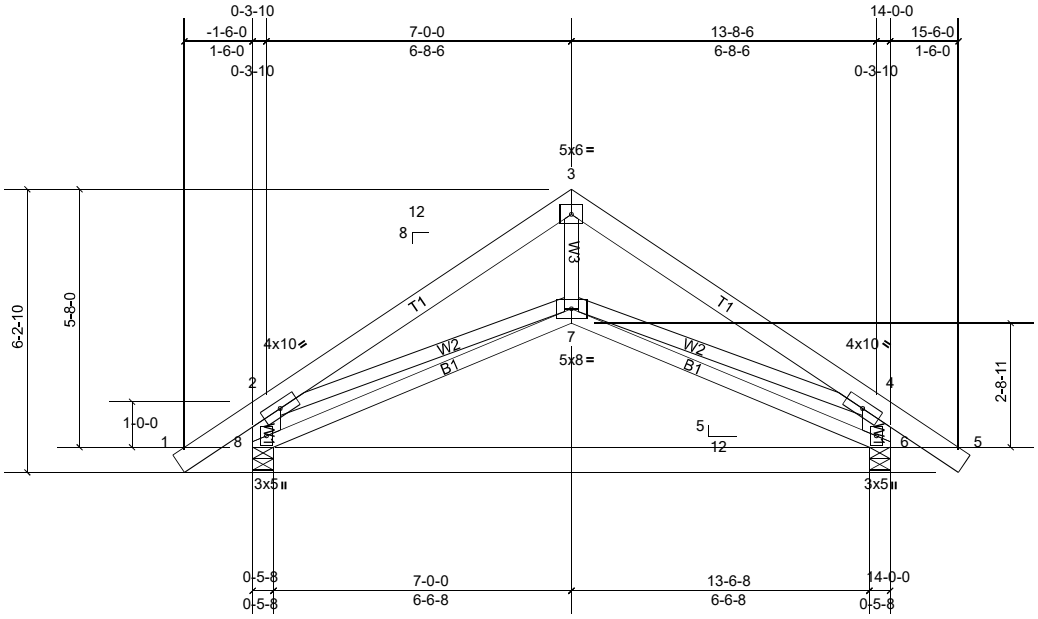
REACTIONS All bearings 2-5-8. except 6=0-3-8, 4=0-3-8
(lb) - Max Horiz 1=-81 (LC 4)
Max Uplift All uplift 100 (lb) or less at joint(s) 1, 3
Max Grav All reactions 250 (lb) or less at joint(s) 4, 6 except 1=507 (LC 1), 3=507 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1433/86, 2-3=-1433/117
BOT CHORD 1-6=-66/1164, 5-6=-60/1108, 4-5=-62/1108, 3-4=-62/1164
WEBS 2-5=-2/818

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
5) Bearing at joint(s) 1, 3 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
7) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 6, 4.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	S03	Roof Special	4	1	Job Reference (optional)



Scale = 1:50.6

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.23	Vert(LL)	-0.05	6-7	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.17	Vert(TL)	-0.12	6-7	>999	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.28	Horiz(TL)	0.06	6	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 83 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF Stud *Except* W1:2x8 HF 1950F 1.7E

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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

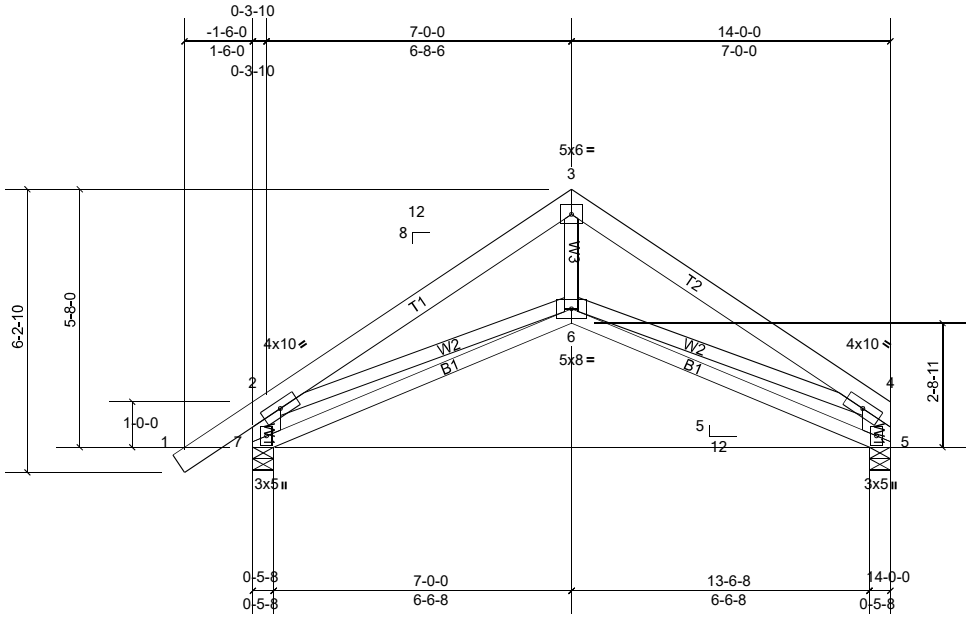
REACTIONS (lb/size) 6=1004/0-5-8, (min. 0-1-8), 8=1004/0-5-8, (min. 0-1-8)
Max Horiz 8=-135 (LC 6)
Max Uplift 6=-83 (LC 9), 8=-83 (LC 8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1507/26, 3-4=-1507/55, 2-8=-1125/164, 4-6=-1125/141
BOT CHORD 7-8=-223/538, 6-7=-223/482
WEBS 3-7=0/832, 2-7=0/669, 4-7=-52/670

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 45.0 psf on overhangs non-concurrent with other live loads.
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 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
6) Bearing at joint(s) 8, 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 83 lb uplift at joint 8 and 83 lb uplift at joint 6.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	S03A	Roof Special	1	1	Job Reference (optional)



Scale = 1:50.6

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.22	Vert(LL)	-0.05	6-7	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.17	Vert(TL)	-0.12	6-7	>999	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.29	Horiz(TL)	0.07	5	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 80 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF Stud *Except* W1:2x8 HF 1950F 1.7E

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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

REACTIONS (lb/size) 5=789/0-5-8, (min. 0-1-8), 7=1019/0-5-8, (min. 0-1-8)
Max Horiz 7=126 (LC 7)
Max Uplift 5=-47 (LC 9), 7=-83 (LC 8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1564/50, 3-4=-1547/77, 2-7=-1136/171, 4-5=-900/107
BOT CHORD 6-7=-221/519, 5-6=-82/457
WEBS 3-6=0/856, 2-6=0/728, 4-6=-43/746

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 45.0 psf on overhangs non-concurrent with other live loads.
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 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
6) Bearing at joint(s) 7, 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 83 lb uplift at joint 7 and 47 lb uplift at joint 5.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	S03B	Scissor	2	1	Job Reference (optional)

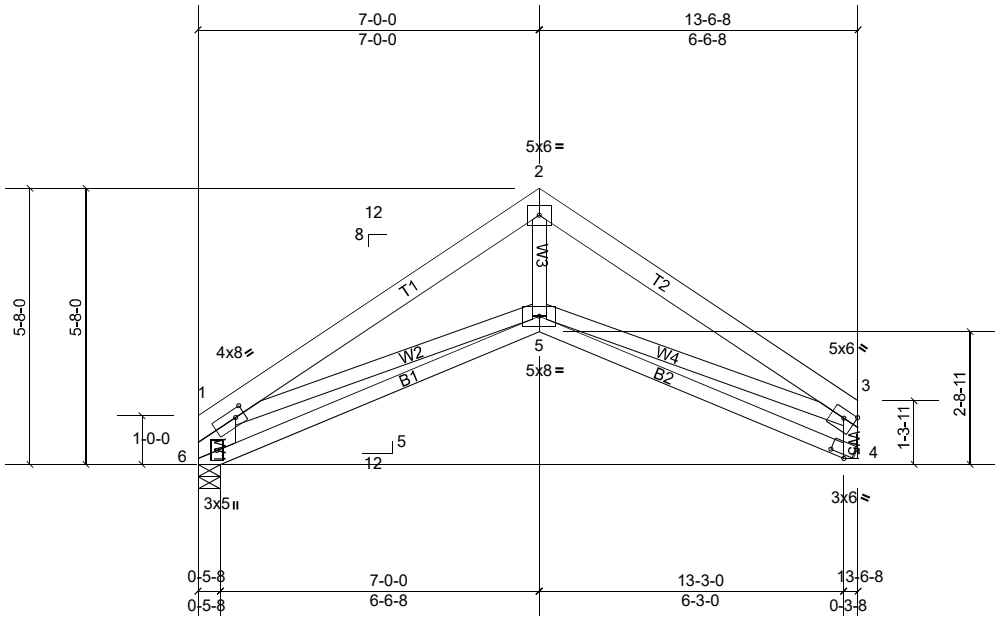


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Plate Offsets (X, Y): [1:0-2-4,0-2-0], [3:0-2-12,0-2-0], [4:0-3-13,0-0-14]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.57	Vert(LL)	-0.05	5-6	>999	240	MT20	185/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.17	Vert(TL)	-0.12	5-6	>999	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.30	Horiz(TL)	0.06	4	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 74 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF Stud *Except* W1:2x10 HF SS

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
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) 4=781/ Mechanical, (min. 0-1-8), 6=781/0-5-8, (min. 0-1-8)
Max Horiz 6=110 (LC 5)
Max Uplift 4=-45 (LC 9), 6=-46 (LC 8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1526/54, 2-3=-1511/85, 1-6=-883/121, 3-4=-830/90
BOT CHORD 5-6=-132/471, 4-5=-49/290
WEBS 2-5=0/802, 1-5=0/752, 3-5=-31/886

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Bearing at joint(s) 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 46 lb uplift at joint 6 and 45 lb uplift at joint 4.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	S04	Roof Special	2	1	Job Reference (optional)

Run: 8.22 S Sep 9 2018 Print: 8.230 S Jan 20 2019 MiTek Industries, Inc. Thu Jan 31 13:49:27 Page: 1
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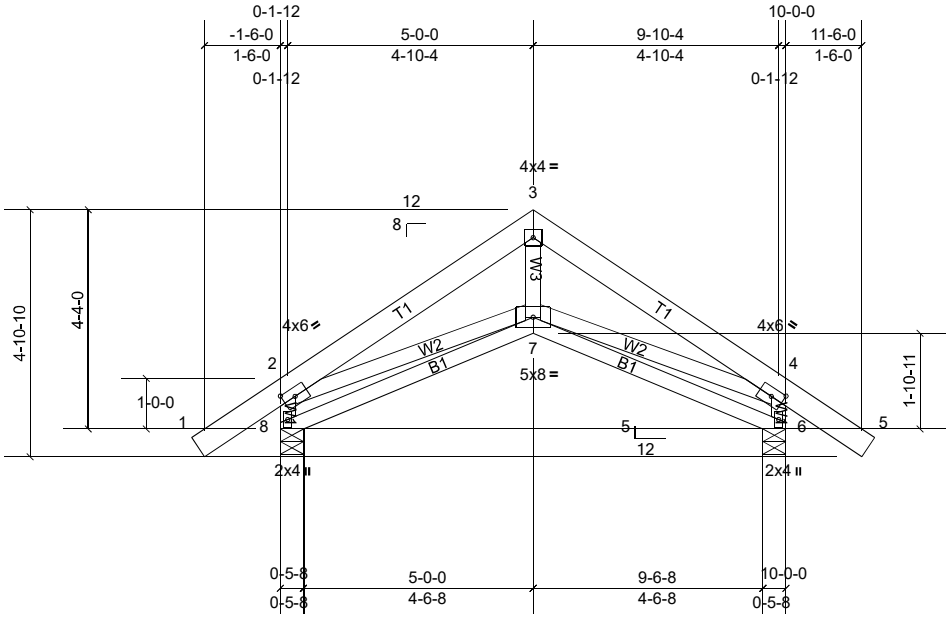


Scale = 1:45.6

Plate Offsets (X, Y): [2:0-2-14,0-2-0], [4:0-2-14,0-2-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.31	Vert(LL)	-0.02	7	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.09	Vert(TL)	-0.04	6-7	>999	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.19	Horiz(TL)	0.03	6	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 61 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF Stud

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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

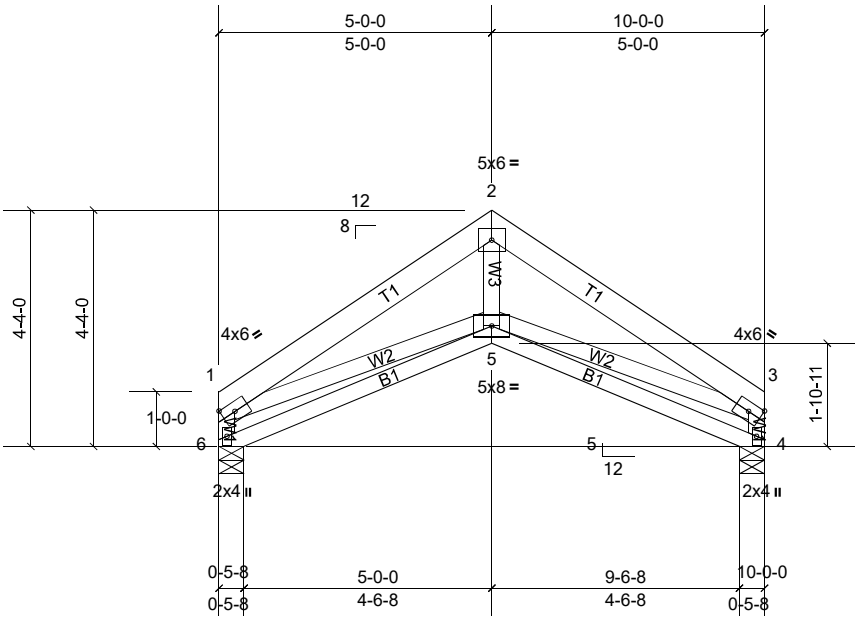
REACTIONS (lb/size) 6=767/0-5-8, (min. 0-1-8), 8=767/0-5-8, (min. 0-1-8)
Max Horiz 8=-108 (LC 6)
Max Uplift 6=-67 (LC 9), 8=-67 (LC 8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-959/12, 3-4=-959/33, 2-8=-776/107, 4-6=-776/91
WEBS 3-7=0/447, 2-7=0/559, 4-7=-11/559

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 45.0 psf on overhangs non-concurrent with other live loads.
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 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
6) Bearing at joint(s) 8, 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 67 lb uplift at joint 8 and 67 lb uplift at joint 6.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	S05	Roof Special	1	1	Job Reference (optional)



Scale = 1:42.2

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.33	Vert(LL)	-0.02	5	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.09	Vert(TL)	-0.04	4-5	>999	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.21	Horiz(TL)	0.03	4	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 54 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF Stud

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
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.

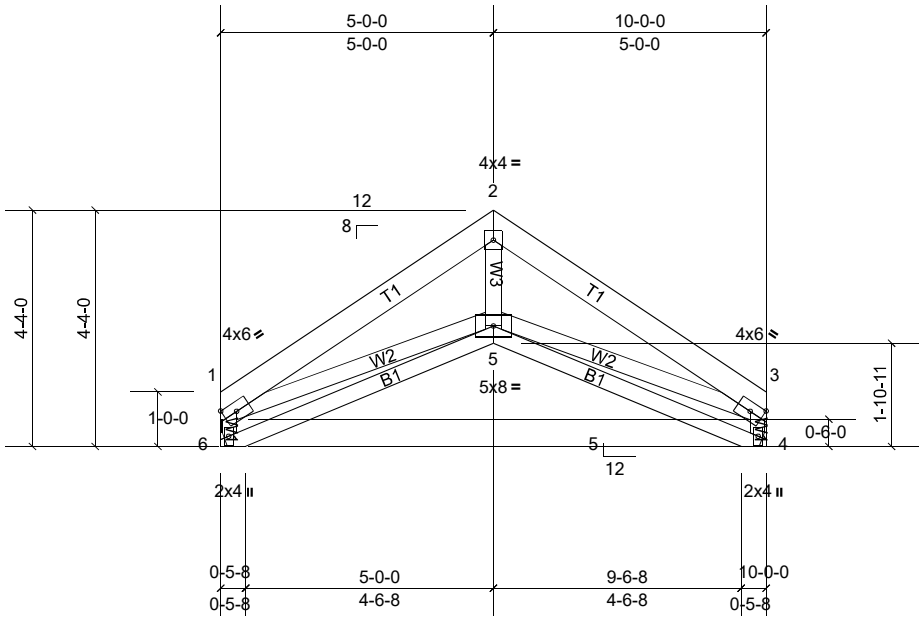
REACTIONS (lb/size) 4=582/0-5-8, (min. 0-1-8), 6=583/0-5-8, (min. 0-1-8)
Max Horiz 6=-85 (LC 6)
Max Uplift 4=-34 (LC 9), 6=-34 (LC 8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1058/36, 2-3=-1058/60, 1-6=-609/75, 3-4=-609/65
WEBS 2-5=0/510, 1-5=0/613, 3-5=-22/613

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
5) Bearing at joint(s) 6, 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 34 lb uplift at joint 6 and 34 lb uplift at joint 4.
7) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	S05A	Roof Special	3	1	Job Reference (optional)



Scale = 1:42.2

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.33	Vert(LL)	-0.02	5	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.09	Vert(TL)	-0.04	4-5	>999	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.21	Horiz(TL)	0.03	4	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 54 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF Stud

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
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) 4=582/ Mechanical, (min. 0-1-8), 6=583/ Mechanical, (min. 0-1-8)
Max Horiz 6=-85 (LC 4)
Max Uplift 4=-34 (LC 9), 6=-34 (LC 8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1058/36, 2-3=-1058/60, 1-6=-609/75, 3-4=-609/65
WEBS 2-5=0/510, 1-5=0/613, 3-5=-22/613

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 34 lb uplift at joint 4 and 34 lb uplift at joint 6.
7) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	S06	Scissor	1	1	Job Reference (optional)

Run: 8.22 S Sep 9 2018 Print: 8.230 S Jan 20 2019 MiTek Industries, Inc. Thu Jan 31 13:49:29 Page: 1
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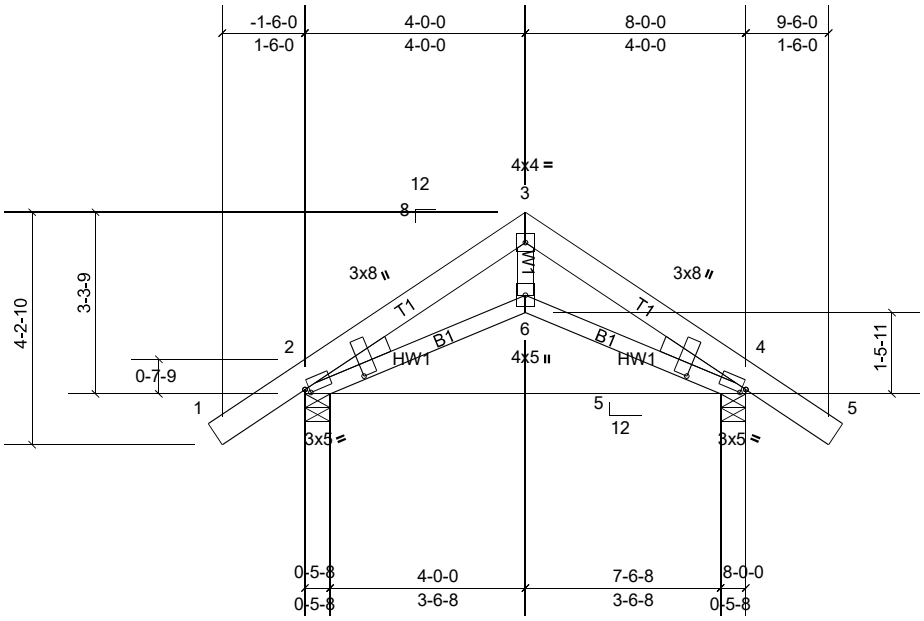

Scale = 1:41.8

Plate Offsets (X, Y): [2:0-0-15,0-1-1], [2:0-2-4,1-1-0], [4:0-0-15,0-1-1], [4:0-2-4,1-1-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	-0.01	6	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.14	Vert(TL)	-0.03	4-6	>999	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.16	Horiz(TL)	0.02	4	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-P								
BCDL	8.0										Weight: 42 lb	FT = 0%

LUMBER

TOP CHORD	2x6 SPF 2100F 1.8E
BOT CHORD	2x4 DF 2100F 1.8E
WEBS	2x4 DF Stud
WEDGE	Left: 2x4 DF Stud Right: 2x4 DF Stud

BRACING

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

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

REACTIONS (lb/size) 2=646/0-5-8, (min. 0-1-8), 4=646/0-5-8, (min. 0-1-8)
Max Horiz 2=73 (LC 7)
Max Uplift 2=-62 (LC 8), 4=-62 (LC 9)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD	2-3=-768/69, 3-4=-768/69
BOT CHORD	2-6=-104/535, 4-6=-104/535
WEBS	3-6=-12/465

NOTES

1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 45.0 psf on overhangs non-concurrent with other live loads.
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 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
6) Bearing at joint(s) 2, 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 62 lb uplift at joint 2 and 62 lb uplift at joint 4.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	S07	Scissor	2	1	Job Reference (optional)

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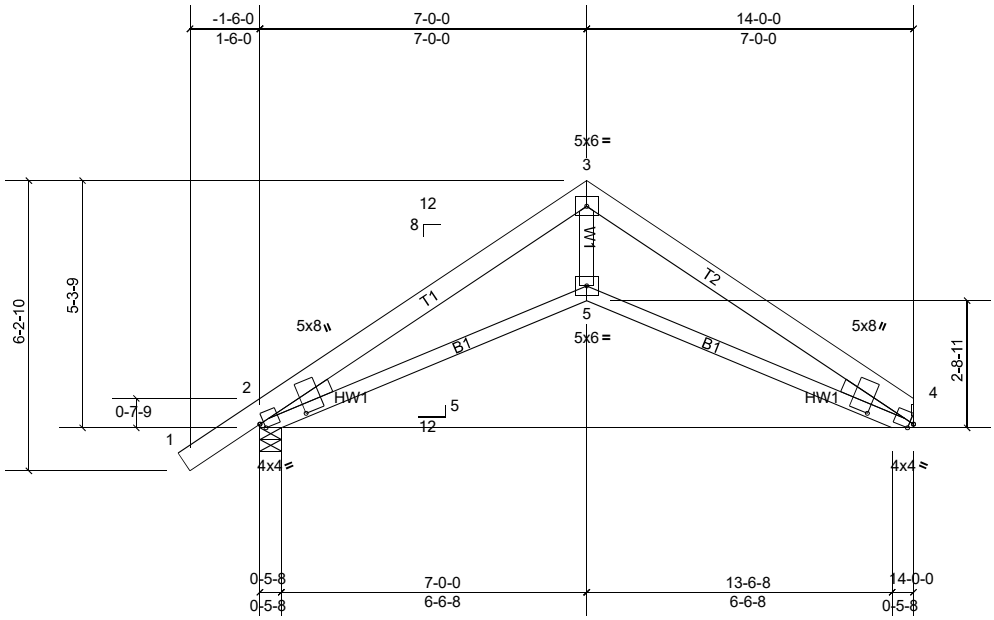

Scale = 1:49.4

Plate Offsets (X, Y): [2:0-1-1,Edge], [2:0-2-0,1-0-0], [4:0-1-1,Edge], [4:0-2-0,1-0-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.30	Vert(LL)	-0.08	4-5	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.29	Vert(TL)	-0.18	4-5	>909	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.44	Horiz(TL)	0.14	4	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 61 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF Stud
WEDGE Left: 2x4 DF Stud
Right: 2x4 DF 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) 2=1029/0-5-8, (min. 0-1-8), 4=809/ Mechanical, (min. 0-1-8)
Max Horiz 2=107 (LC 7)
Max Uplift 2=-85 (LC 8), 4=-50 (LC 9)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1954/49, 3-4=-1896/84
BOT CHORD 2-5=-29/1555, 4-5=-29/1556
WEBS 3-5=0/1303

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 45.0 psf on overhangs non-concurrent with other live loads.
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 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 85 lb uplift at joint 2 and 50 lb uplift at joint 4.
9) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	S07A	Scissor	3	1	Job Reference (optional)

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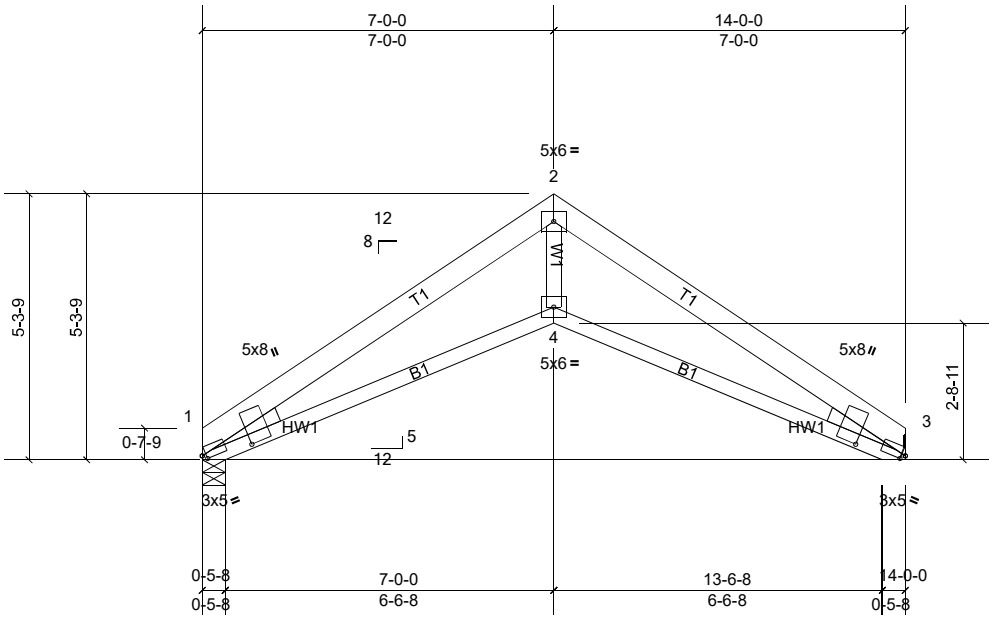

Scale = 1:45.9

Plate Offsets (X, Y): [1:0-0-15,0-1-1], [1:0-2-0,1-0-0], [3:0-0-15,0-1-1], [3:0-2-0,1-0-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.29	Vert(LL)	-0.08	4	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.29	Vert(TL)	-0.18	3-4	>907	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.45	Horiz(TL)	0.14	3	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 58 lb	FT = 0%

LUMBER

TOP CHORD	2x6 SPF 2100F 1.8E
BOT CHORD	2x4 DF 2100F 1.8E
WEBS	2x4 DF Stud
WEDGE	Left: 2x4 DF Stud Right: 2x4 DF 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) 1=822/0-5-8, (min. 0-1-8), 3=823/ Mechanical, (min. 0-1-8)
Max Horiz 1=-97 (LC 4)
Max Uplift 1=-49 (LC 8), 3=-50 (LC 9)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1962/59, 2-3=-1959/98
BOT CHORD 1-4=-41/1613, 3-4=-41/1614
WEBS 2-4=0/1351

NOTES

1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 49 lb uplift at joint 1 and 50 lb uplift at joint 3.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	S07B	Scissor	3	1	Job Reference (optional)

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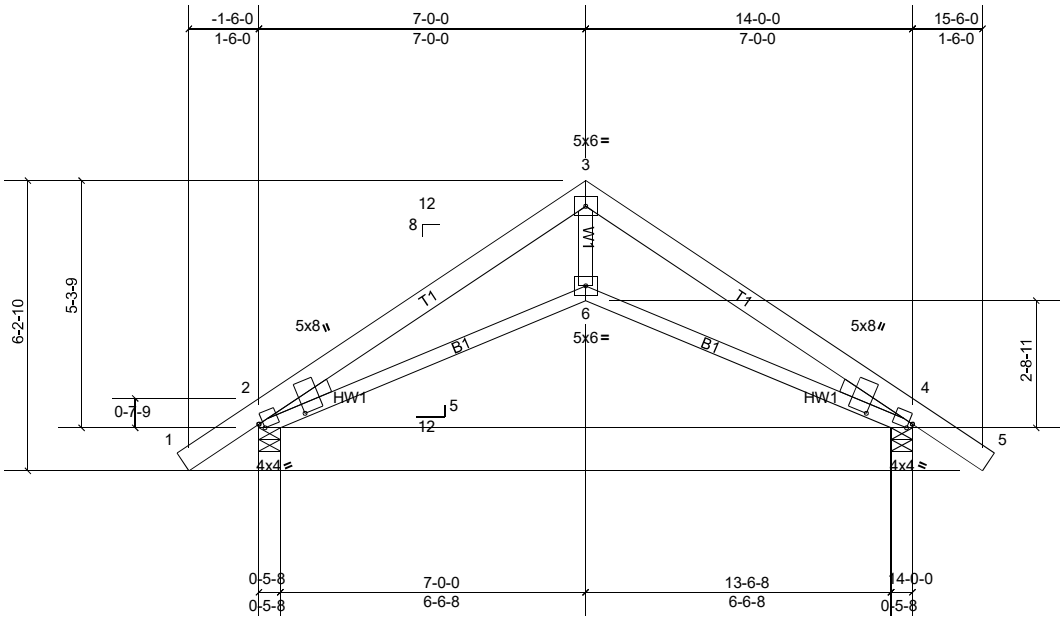

Scale = 1:49.4

Plate Offsets (X, Y): [2:0-1-1,Edge], [2:0-2-0,1-0-0], [4:0-1-1,Edge], [4:0-2-0,1-0-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.24	Vert(LL)	-0.07	6	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.26	Vert(TL)	-0.15	2-6	>999	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.41	Horiz(TL)	0.13	4	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 65 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF Stud
WEDGE Left: 2x4 DF Stud
Right: 2x4 DF 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) 2=1006/0-5-8, (min. 0-1-8), 4=1006/0-5-8, (min. 0-1-8)
Max Horiz 2=-111 (LC 6)
Max Uplift 2=-83 (LC 8), 4=-83 (LC 9)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1848/30, 3-4=-1848/66
BOT CHORD 2-6=-2/1460, 4-6=-2/1460
WEBS 3-6=0/1225

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 45.0 psf on overhangs non-concurrent with other live loads.
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 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
6) Bearing at joint(s) 2, 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 83 lb uplift at joint 2 and 83 lb uplift at joint 4.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	S07C	Scissor	1	1	Job Reference (optional)

Run: 8.22 S Sep 24 2018 Print: 8.230 S Jan 20 2019 MiTek Industries, Inc. Thu Jan 31 13:49:32 Page: 1
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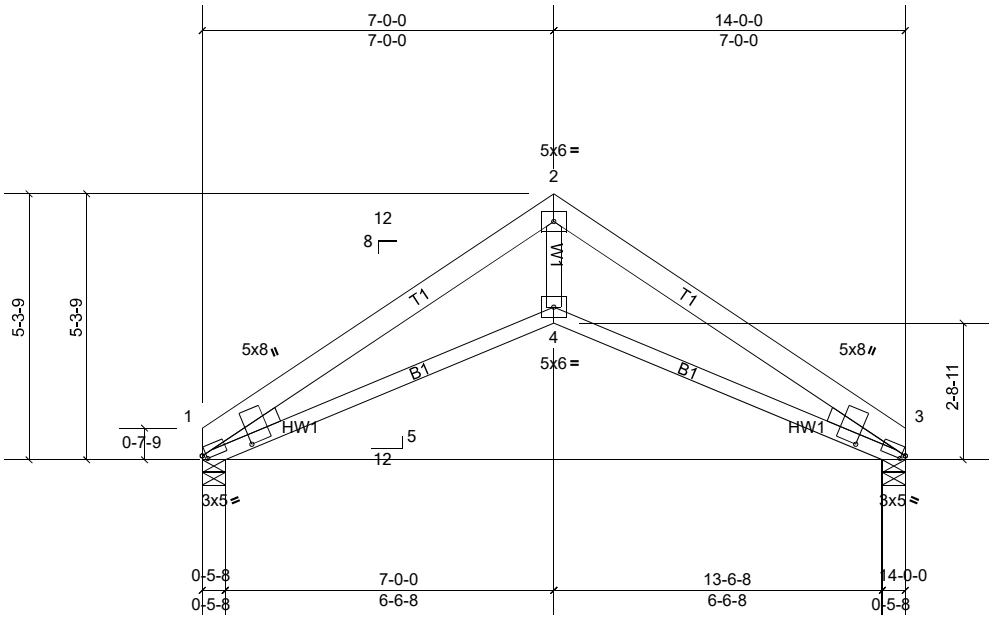

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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	-0.08	4	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.28	Vert(TL)	-0.17	1-4	>971	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.44	Horiz(TL)	0.14	3	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 58 lb	FT = 0%

LUMBER

TOP CHORD	2x6 SPF 2100F 1.8E
BOT CHORD	2x4 DF 2100F 1.8E
WEBS	2x4 DF Stud
WEDGE	Left: 2x4 DF Stud
	Right: 2x4 DF 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) 1=812/0-5-8, (min. 0-1-8), 3=812/0-5-8, (min. 0-1-8)
Max Horiz 1=96 (LC 5)
Max Uplift 1=-49 (LC 8), 3=-49 (LC 9)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD	1-2=-1919/60, 2-3=-1919/99
BOT CHORD	1-4=-43/1575, 3-4=-42/1575
WEBS	2-4=0/1320

NOTES

1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
5) Bearing at joint(s) 1, 3 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 49 lb uplift at joint 1 and 49 lb uplift at joint 3.
7) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	T01	Common	4	1	Job Reference (optional)

Run: 8.22 S Sep 9 2018 Print: 8.230 S Jan 20 2019 MiTek Industries, Inc. Thu Jan 31 13:49:32 Page: 1
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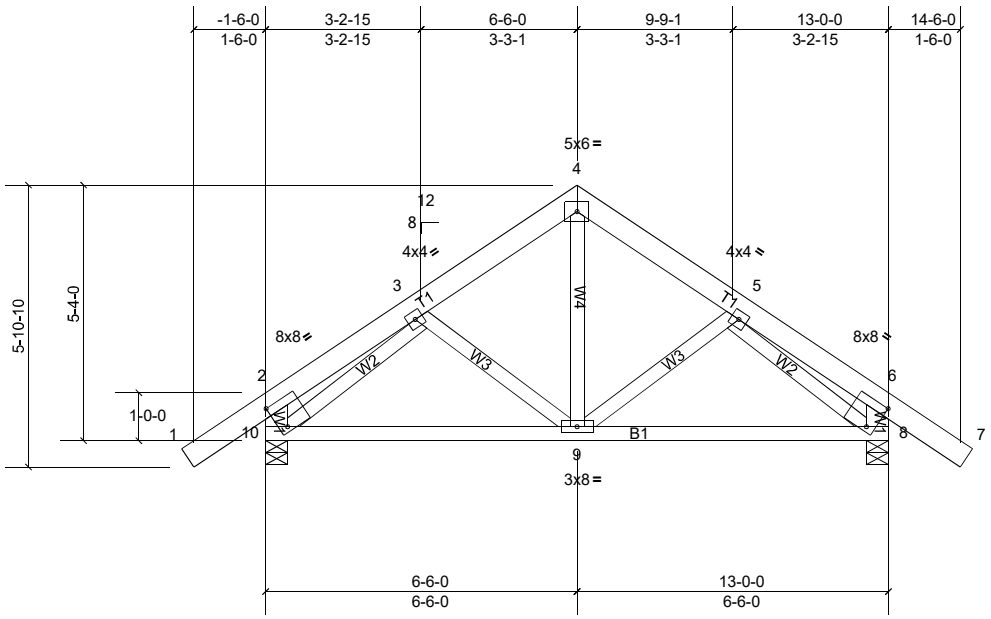

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Plate Offsets (X, Y): [2:0-2-0,0-6-12], [6:0-2-0,0-6-12]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.16	Vert(LL)	-0.02	9-10	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.17	Vert(TL)	-0.05	9-10	>999	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.19	Horiz(TL)	0.01	8	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 81 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF Stud *Except* W1:2x6 SPF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
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) 8=946/0-5-8, (min. 0-1-8), 10=946/0-5-8, (min. 0-1-8)
Max Horiz 10=-126 (LC 6)
Max Uplift 8=-79 (LC 9), 10=-79 (LC 8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-637/70, 4-5=-637/70, 2-10=-463/75, 6-8=-463/74
BOT CHORD 9-10=-46/556, 8-9=-1/556
WEBS 3-10=-641/43, 5-8=-641/45

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 45.0 psf on overhangs non-concurrent with other live loads.
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 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 79 lb uplift at joint 10 and 79 lb uplift at joint 8.
7) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	T01A	Roof Special	1	1	Job Reference (optional)

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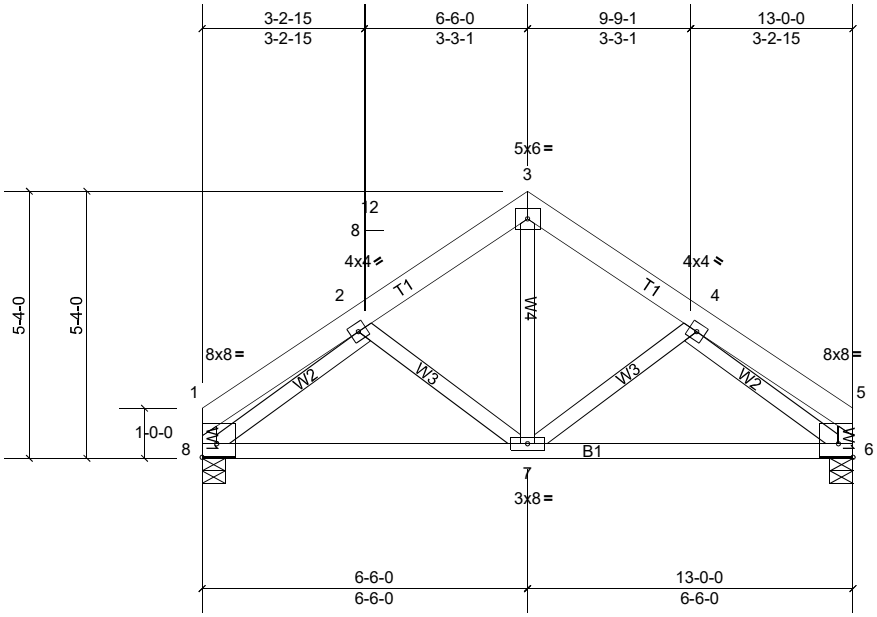


Scale = 1:46

Plate Offsets (X, Y): [1:Edge,0-3-4], [5:Edge,0-3-4]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.22	Vert(LL)	-0.03	6-7	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.18	Vert(TL)	-0.06	6-7	>999	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.22	Horiz(TL)	0.01	6	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 74 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF Stud

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
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.

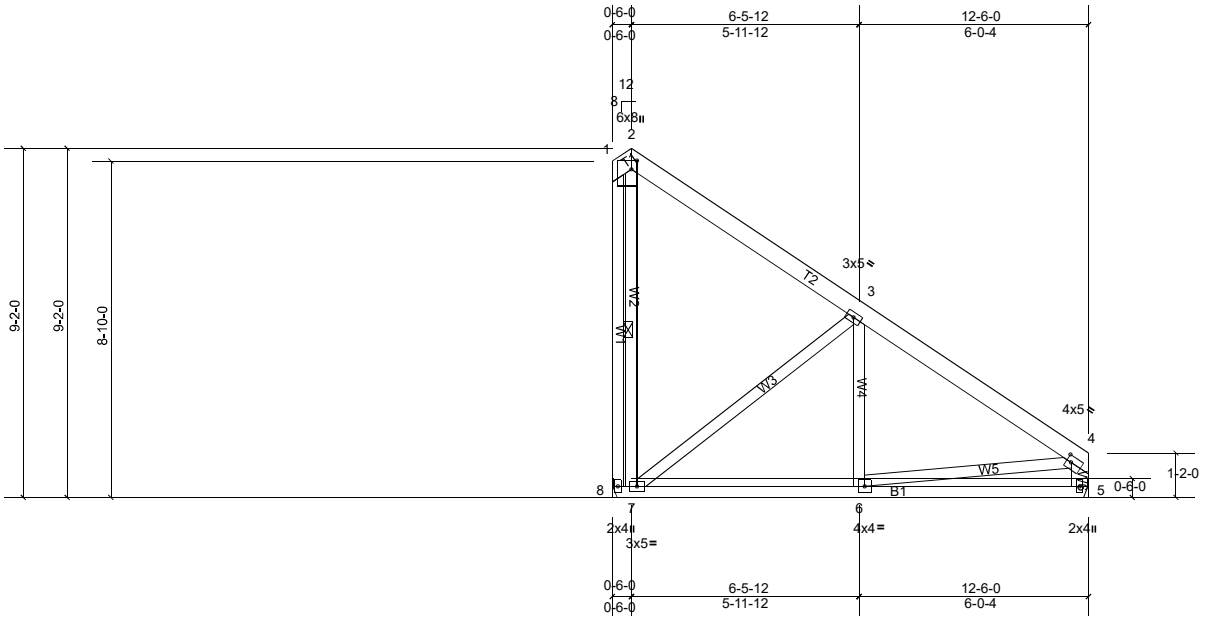
REACTIONS (lb/size) 6=763/0-5-8, (min. 0-1-8), 8=763/0-5-8, (min. 0-1-8)
Max Horiz 8=101 (LC 5)
Max Uplift 6=-45 (LC 9), 8=-45 (LC 8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-273/22, 2-3=-720/74, 3-4=-720/74, 4-5=-273/22, 1-8=-261/34, 5-6=-261/34
BOT CHORD 7-8=-74/659, 6-7=-36/659
WEBS 3-7=-15/318, 2-8=-679/55, 4-6=-679/56

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 45 lb uplift at joint 6 and 45 lb uplift at joint 8.
6) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	T02	Roof Special	5	1	Job Reference (optional)



Scale = 1:60.5

Plate Offsets (X, Y): [1:0-5-4,0-4-4], [4:0-1-8,0-2-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.50	Vert(LL)	-0.05	6-7	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.21	Vert(TL)	-0.09	6-7	>999	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.71	Horiz(TL)	0.01	5	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 92 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF Stud *Except* W6:2x6 SPF No.2

REACTIONS (lb/size) 5=727/ Mechanical, (min. 0-1-8), 8=728/ Mechanical, (min. 0-1-8)
Max Horiz 8=-255 (LC 4)
Max Uplift 5=-27 (LC 9), 8=-117 (LC 9)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-269/104, 3-4=-820/31, 4-5=-692/53, 1-8=-325/111
BOT CHORD 6-7=0/565
WEBS 4-6=-2/406, 2-7=-94/271, 3-7=-706/169

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 1-8

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

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 117 lb uplift at joint 8 and 27 lb uplift at joint 5.
7) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	T02A	Roof Special	1	1	Job Reference (optional)

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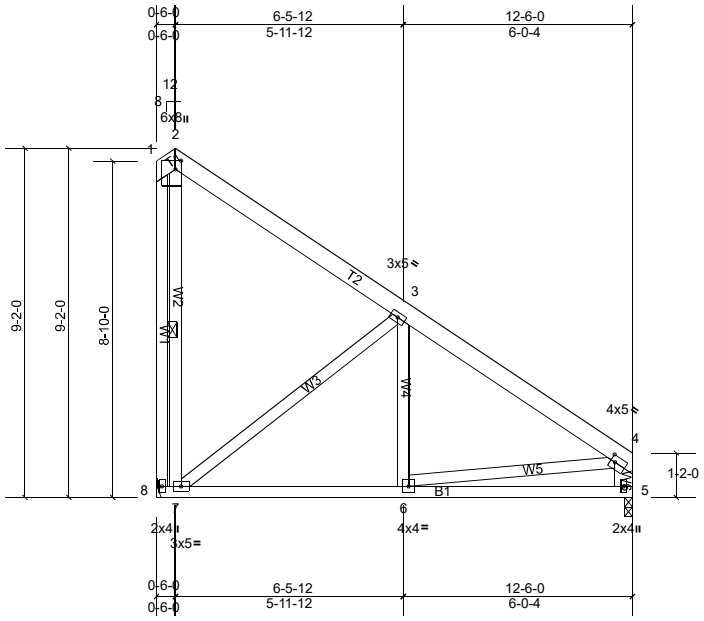


Scale = 1:60.5

Plate Offsets (X, Y): [1:0-5-4,0-4-4], [4:0-1-8,0-2-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.50	Vert(LL)	-0.05	6-7	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.21	Vert(TL)	-0.09	6-7	>999	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.71	Horiz(TL)	0.01	5	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 92 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF Stud *Except* W6:2x6 SPF No.2

REACTIONS (lb/size) 5=728/0-2-8, (min. 0-1-8), 8=728/ Mechanical, (min. 0-1-8)
Max Horiz 8=-255 (LC 4)
Max Uplift 5=-27 (LC 9), 8=-117 (LC 9)

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 1-8

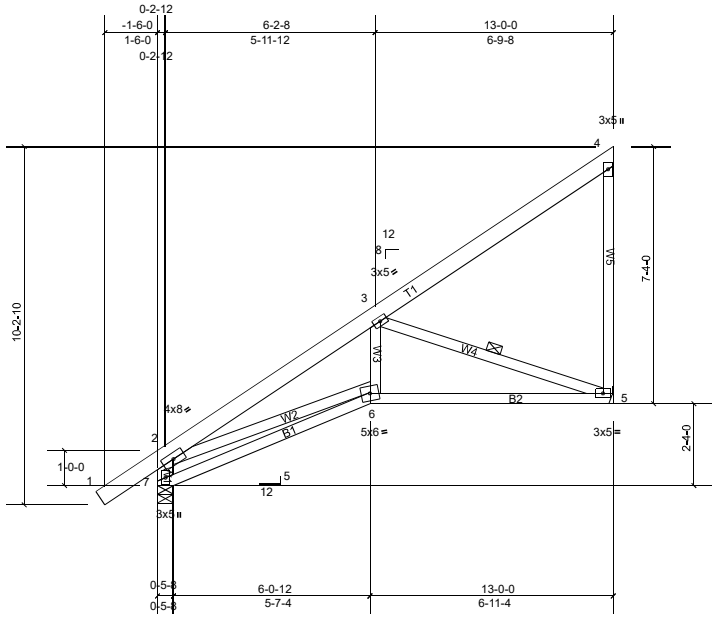
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-269/104, 3-4=-820/31, 4-5=-692/53, 1-8=-325/111
BOT CHORD 6-7=0/565
WEBS 4-6=-2/406, 2-7=-94/271, 3-7=-706/169

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 5.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 117 lb uplift at joint 8 and 27 lb uplift at joint 5.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	T03	Roof Special	1	1	Job Reference (optional)



Scale = 1:65.7

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.35	Vert(LL)	-0.07	5-6	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.24	Vert(TL)	-0.15	5-6	>981	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.33	Horiz(TL)	0.04	5	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 80 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF Stud *Except* W1:2x6 SPF No.2

REACTIONS (lb/size) 5=743/ Mechanical, (min. 0-1-8), 7=965/0-5-8, (min. 0-1-8)
Max Horiz 7=258 (LC 5)
Max Uplift 5=-130 (LC 8), 7=-57 (LC 8)

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 3-5

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

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1544/158, 3-4=-259/127, 4-5=-291/68, 2-7=-1010/159
BOT CHORD 6-7=-243/358, 5-6=-218/1117
WEBS 3-6=-25/443, 3-5=-1174/282, 2-6=-40/947

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 45.0 psf on overhangs non-concurrent with other live loads.
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 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Bearing at joint(s) 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 130 lb uplift at joint 5 and 57 lb uplift at joint 7.
9) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	T04	Roof Special	1	1	Job Reference (optional)

Run: 8.22 S Sep 9 2018 Print: 8.230 S Jan 20 2019 MiTek Industries, Inc. Thu Jan 31 13:49:36 Page: 1
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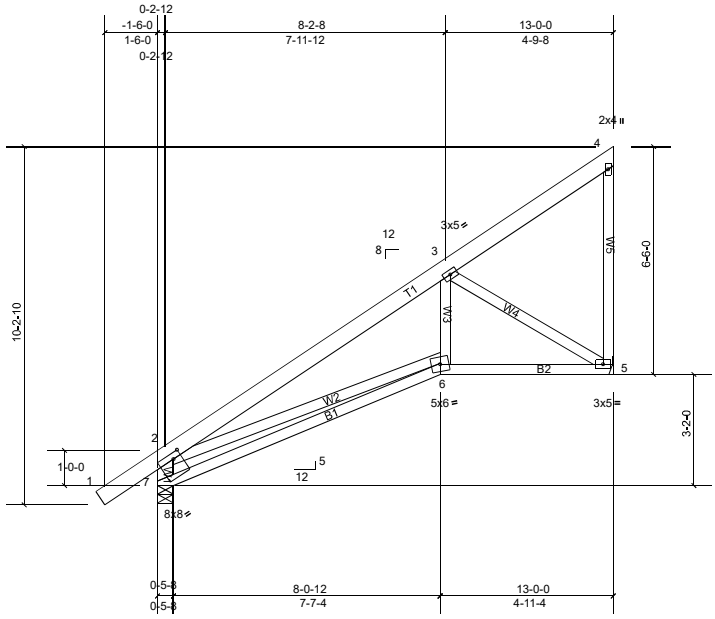


Scale = 1:65.7

Plate Offsets (X, Y): [7:0-2-12,0-2-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.32	Vert(LL)	-0.10	6-7	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.26	Vert(TL)	-0.23	6-7	>662	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.55	Horiz(TL)	0.03	5	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 81 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF Stud *Except* W1:2x6 SPF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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

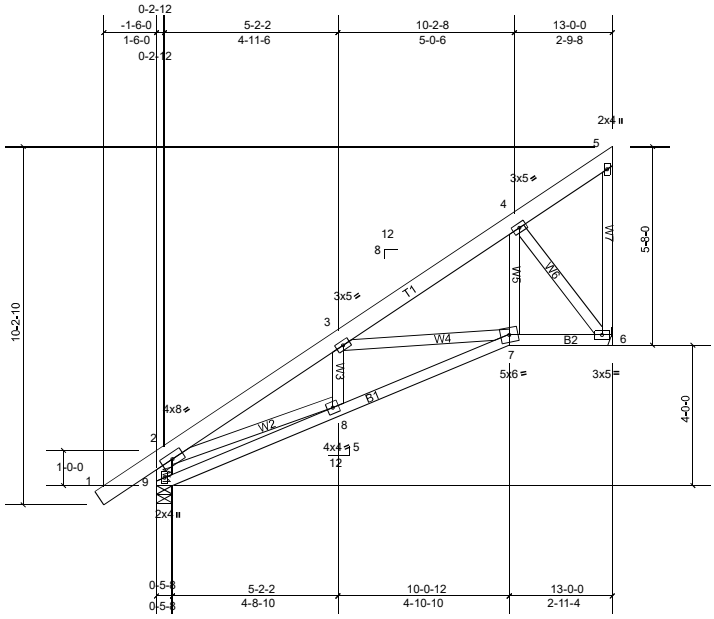
REACTIONS (lb/size) 5=743/ Mechanical, (min. 0-1-8), 7=965/0-5-8, (min. 0-1-8)
Max Horiz 7=247 (LC 5)
Max Uplift 5=-133 (LC 8), 7=-54 (LC 8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1347/118, 2-7=-1115/202
BOT CHORD 6-7=-296/641, 5-6=-169/899
WEBS 3-6=-21/444, 3-5=-1054/249, 2-6=0/419

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 45.0 psf on overhangs non-concurrent with other live loads.
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 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Bearing at joint(s) 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 133 lb uplift at joint 5 and 54 lb uplift at joint 7.
9) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	T05	Roof Special	1	1	Job Reference (optional)



Scale = 1:65.7

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	-0.04	7-8	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.17	Vert(TL)	-0.06	7-8	>999	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.32	Horiz(TL)	0.03	6	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 83 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF Stud *Except* W1:2x6 SPF No.2

REACTIONS (lb/size) 6=743/ Mechanical, (min. 0-1-8), 9=965/0-5-8, (min. 0-1-8)
Max Horiz 9=237 (LC 5)
Max Uplift 6=-136 (LC 8), 9=-51 (LC 8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1514/162, 3-4=-786/76, 2-9=-1002/154
BOT CHORD 8-9=-225/313, 7-8=-287/1232, 6-7=-82/516
WEBS 3-7=-585/175, 4-7=-78/535, 4-6=-835/184, 2-8=-58/957

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 45.0 psf on overhangs non-concurrent with other live loads.
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 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Bearing at joint(s) 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 136 lb uplift at joint 6 and 51 lb uplift at joint 9.
9) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	T06	Roof Special	1	1	Job Reference (optional)

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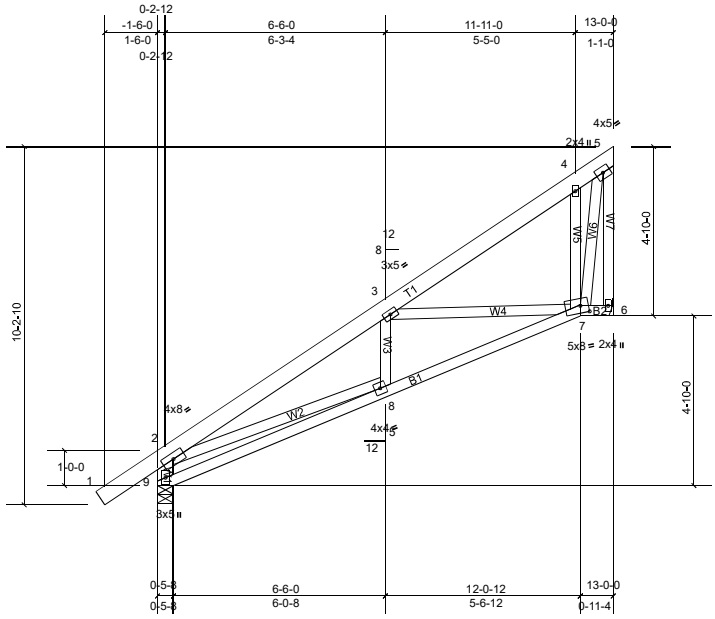

Scale = 1:65.7

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.19	Vert(LL)	-0.04	7-8	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.18	Vert(TL)	-0.08	8-9	>999	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.48	Horiz(TL)	0.02	6	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 86 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF Stud *Except* W1:2x6 SPF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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

REACTIONS (lb/size) 6=743/ Mechanical, (min. 0-1-8), 9=965/0-5-8, (min. 0-1-8)
Max Horiz 9=227 (LC 5)
Max Uplift 6=-141 (LC 8), 9=-46 (LC 8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1499/152, 3-4=-399/21, 4-5=-308/89, 5-6=-702/137, 2-9=-1044/172
BOT CHORD 8-9=-266/426, 7-8=-276/1187
WEBS 3-7=-894/233, 5-7=-196/910, 2-8=-8/805, 4-7=-424/122

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 45.0 psf on overhangs non-concurrent with other live loads.
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 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Bearing at joint(s) 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 141 lb uplift at joint 6 and 46 lb uplift at joint 9.
9) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	T07	Roof Special	1	1	Job Reference (optional)

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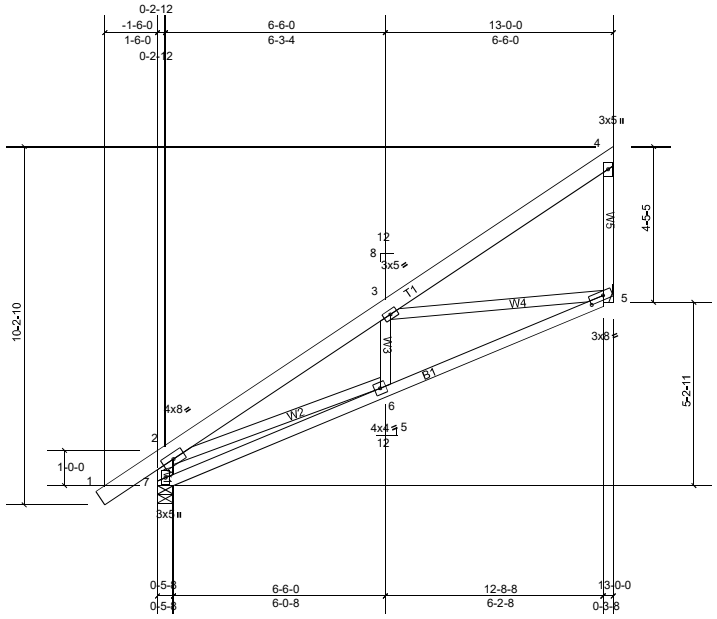

Scale = 1:65.7

Plate Offsets (X, Y): [5:0-4-13,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	-0.04	6	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.20	Vert(TL)	-0.09	5-6	>999	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.81	Horiz(TL)	0.02	5	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 77 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF Stud *Except* W1:2x6 SPF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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

REACTIONS (lb/size) 5=743/ Mechanical, (min. 0-1-8), 7=965/0-5-8, (min. 0-1-8)
Max Horiz 7=222 (LC 5)
Max Uplift 5=-143 (LC 8), 7=-44 (LC 8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1534/160, 4-5=-271/72, 2-7=-1031/167
BOT CHORD 6-7=-262/394, 5-6=-293/1237
WEBS 3-5=-1101/284, 2-6=-26/877

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 45.0 psf on overhangs non-concurrent with other live loads.
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 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Bearing at joint(s) 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 44 lb uplift at joint 7 and 143 lb uplift at joint 5.
9) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	T08	Roof Special	1	1	Job Reference (optional)

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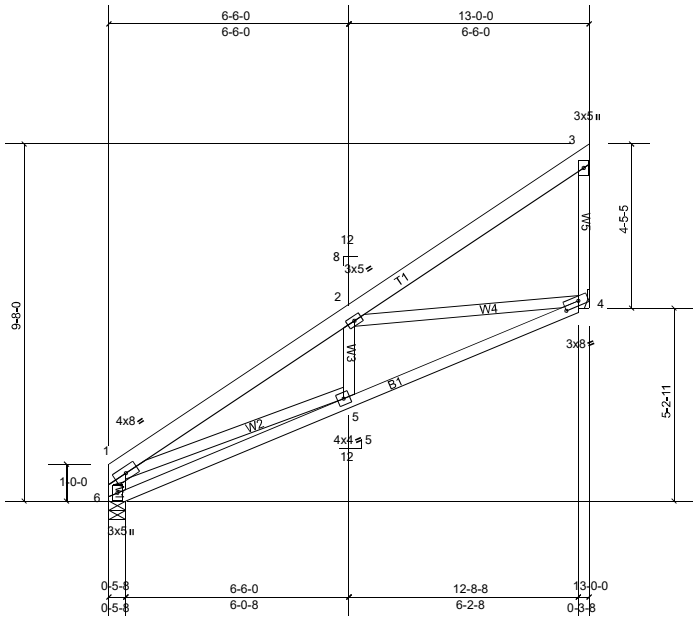

Scale = 1:62.4

Plate Offsets (X, Y): [4:0-4-13,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.27	Vert(LL)	-0.04	5	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.20	Vert(TL)	-0.09	4-5	>999	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.85	Horiz(TL)	0.02	4	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 73 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF Stud *Except* W1:2x6 SPF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
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) 4=758/ Mechanical, (min. 0-1-8), 6=758/0-5-8, (min. 0-1-8)
Max Horiz 6=207 (LC 5)
Max Uplift 4=-145 (LC 8), 6=-10 (LC 8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1581/166, 3-4=-265/71, 1-6=-830/128
BOT CHORD 5-6=-250/404, 4-5=-302/1295
WEBS 2-4=-1155/292, 1-5=-46/915

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Bearing at joint(s) 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 10 lb uplift at joint 6 and 145 lb uplift at joint 4.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	T09	Common	2	1	Job Reference (optional)

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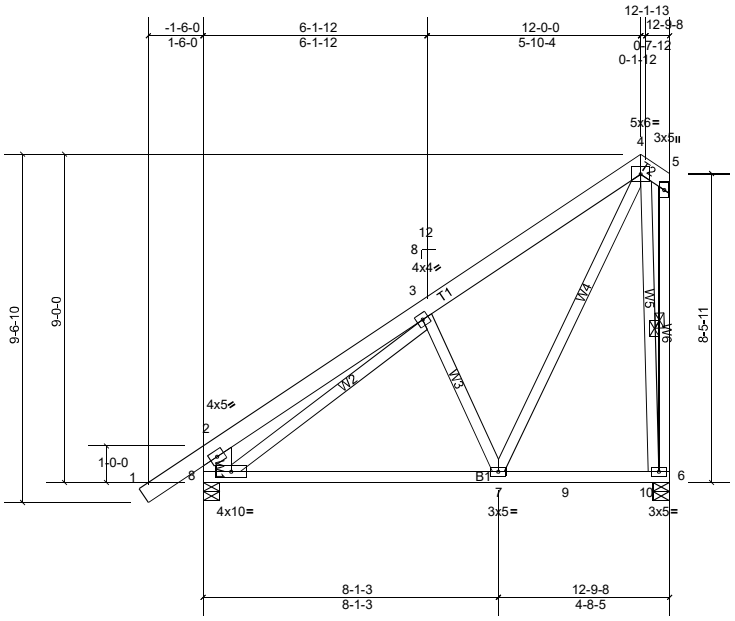

Scale = 1:63.2

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.46	Vert(LL)	-0.07	7-8	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.21	Vert(TL)	-0.15	7-8	>982	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.38	Horiz(TL)	0.01	6	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 101 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF Stud *Except* W4:2x4 DF No.2, W1:2x10 HF SS

REACTIONS (lb/size) 6=718/0-5-8, (min. 0-1-8), 8=962/0-5-8, (min. 0-1-8)
Max Horiz 8=265 (LC 7)
Max Uplift 6=-109 (LC 8), 8=-68 (LC 8)
Max Grav 6=723 (LC 16), 8=962 (LC 1)

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 5-6, 4-6

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

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-389/274, 3-4=-576/102, 2-8=-628/131
BOT CHORD 7-8=-116/523
WEBS 4-7=-128/624, 3-7=-502/193, 3-8=-432/42, 4-6=-756/168

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 45.0 psf on overhangs non-concurrent with other live loads.
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 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members, with BCDL = 8.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 109 lb uplift at joint 6 and 68 lb uplift at joint 8.
7) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	T10	Roof Special	1	1	Job Reference (optional)

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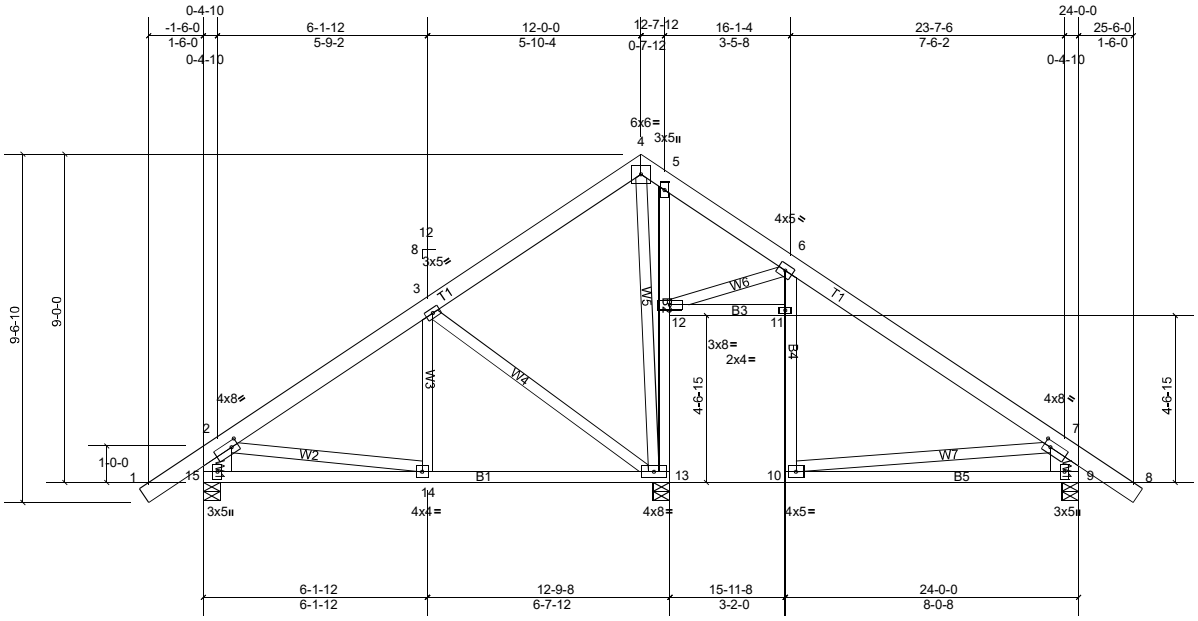

Scale = 1:63.2

Plate Offsets (X, Y): [2:0-2-4,0-2-0], [7:0-2-4,0-2-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.32	Vert(LL)	-0.13	10	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.90	Vert(TL)	-0.22	9-10	>622	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.66	Horiz(TL)	0.03	9	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 162 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E *Except* B2:2x4 DF Stud, B4:2x4 DF No.2
WEBS 2x4 DF Stud *Except* W1:2x10 HF SS

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.

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

REACTIONS (lb/size) 9=757/0-5-8, (min. 0-1-8), 13=1637/0-5-8, (min. 0-1-12), 15=808/0-5-8, (min. 0-1-8)
Max Horiz 15=199 (LC 7)
Max Uplift 9=-168 (LC 9), 13=-1 (LC 8), 15=-121 (LC 8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-581/163, 3-4=-90/380, 4-5=-314/328, 5-6=0/456, 6-7=-372/169, 2-15=-771/145, 7-9=-705/209
BOT CHORD 14-15=-284/233, 13-14=-95/365, 12-13=-1440/274, 5-12=-1183/237, 11-12=-50/273, 9-10=-191/589
WEBS 3-13=-627/138, 4-13=-343/337, 6-12=-507/111, 2-14=-56/349, 7-10=-513/210

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 45.0 psf on overhangs non-concurrent with other live loads.
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 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 121 lb uplift at joint 15, 168 lb uplift at joint 9 and 1 lb uplift at joint 13.
7) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	T11	Roof Special	1	1	Job Reference (optional)

Run: 8.22 S Sep 9 2018 Print: 8.230 S Jan 20 2019 MiTek Industries, Inc. Thu Jan 31 13:49:42 Page: 1
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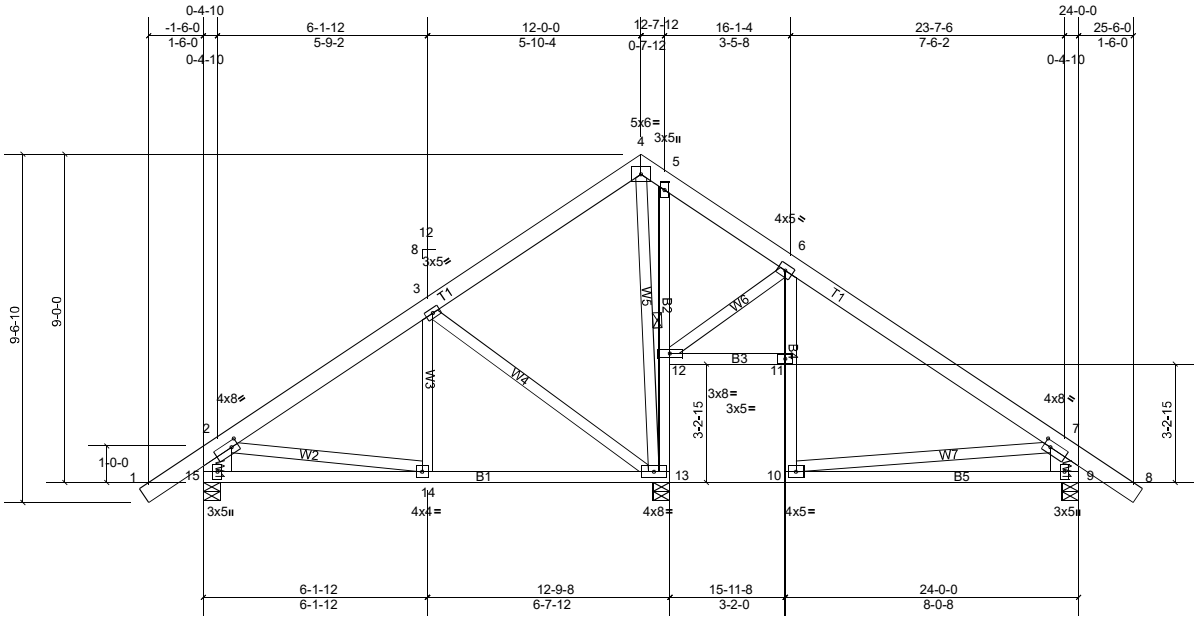

Scale = 1:63.2

Plate Offsets (X, Y): [2:0-2-4,0-2-0], [7:0-2-4,0-2-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.26	Vert(LL)	-0.08	9-10	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.87	Vert(TL)	-0.19	9-10	>703	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.68	Horiz(TL)	0.02	9	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 163 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E *Except* B2,B4:2x4 DF Stud
WEBS 2x4 DF Stud *Except* W1:2x10 HF SS

REACTIONS (lb/size) 9=742/0-5-8, (min. 0-1-8), 13=1665/0-5-8, (min. 0-1-12), 15=794/0-5-8, (min. 0-1-8)
Max Horiz 15=-199 (LC 6)
Max Uplift 9=-163 (LC 9), 13=-4 (LC 8), 15=-120 (LC 8)

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 3-6-10 oc bracing.
WEBS 1 Row at midpt 4-13

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

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-563/157, 3-4=-82/393, 4-5=-163/287, 5-6=-17/409, 6-7=-373/170, 2-15=-757/143, 7-9=-690/204
BOT CHORD 14-15=-285/226, 13-14=-93/356, 12-13=-1218/224, 5-12=-840/155, 9-10=-207/489
WEBS 3-13=-645/140, 4-13=-284/205, 6-12=-463/106, 2-14=-55/349, 7-10=-393/230

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 45.0 psf on overhangs non-concurrent with other live loads.
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 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 120 lb uplift at joint 15, 163 lb uplift at joint 9 and 4 lb uplift at joint 13.
7) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	T12	Roof Special	1	1	Job Reference (optional)

Run: 8.22 S Sep 9 2018 Print: 8.230 S Jan 20 2019 MiTek Industries, Inc. Thu Jan 31 13:49:43 Page: 1
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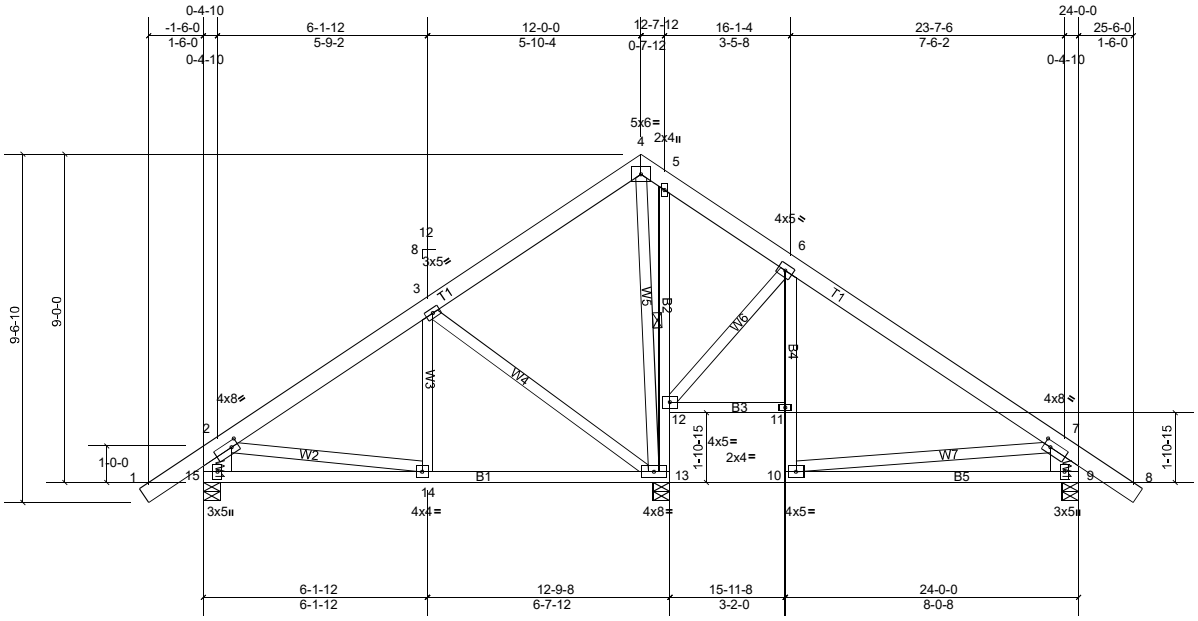

Scale = 1:63.2

Plate Offsets (X, Y): [2:0-2-4,0-2-0], [7:0-2-4,0-2-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.23	Vert(LL)	-0.08	9-10	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.51	Vert(TL)	-0.17	9-10	>781	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.68	Horiz(TL)	0.02	9	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 164 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E *Except* B2,B4:2x4 DF Stud
WEBS 2x4 DF Stud *Except* W1:2x10 HF SS

REACTIONS (lb/size) 9=731/0-5-8, (min. 0-1-8), 13=1687/0-5-8, (min. 0-1-13), 15=784/0-5-8, (min. 0-1-8)
Max Horiz 15=-199 (LC 6)
Max Uplift 9=-155 (LC 9), 13=-12 (LC 8), 15=-116 (LC 8)

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-3-11 oc bracing.
WEBS 1 Row at midpt 4-13

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

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-547/146, 3-4=-74/397, 5-6=-37/371, 6-7=-374/163, 2-15=-745/140, 7-9=-677/195
BOT CHORD 14-15=-286/222, 13-14=-89/350, 12-13=-928/159, 5-12=-426/56, 9-10=-221/403
WEBS 3-13=-651/142, 4-13=-382/90, 6-12=-541/128, 2-14=-51/348, 7-10=-288/248

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 45.0 psf on overhangs non-concurrent with other live loads.
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 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 116 lb uplift at joint 15, 155 lb uplift at joint 9 and 12 lb uplift at joint 13.
7) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	T13	Roof Special	1	1	Job Reference (optional)

Run: 8.22 S Sep 9 2018 Print: 8.230 S Jan 20 2019 MiTek Industries, Inc. Thu Jan 31 13:49:45 Page: 1
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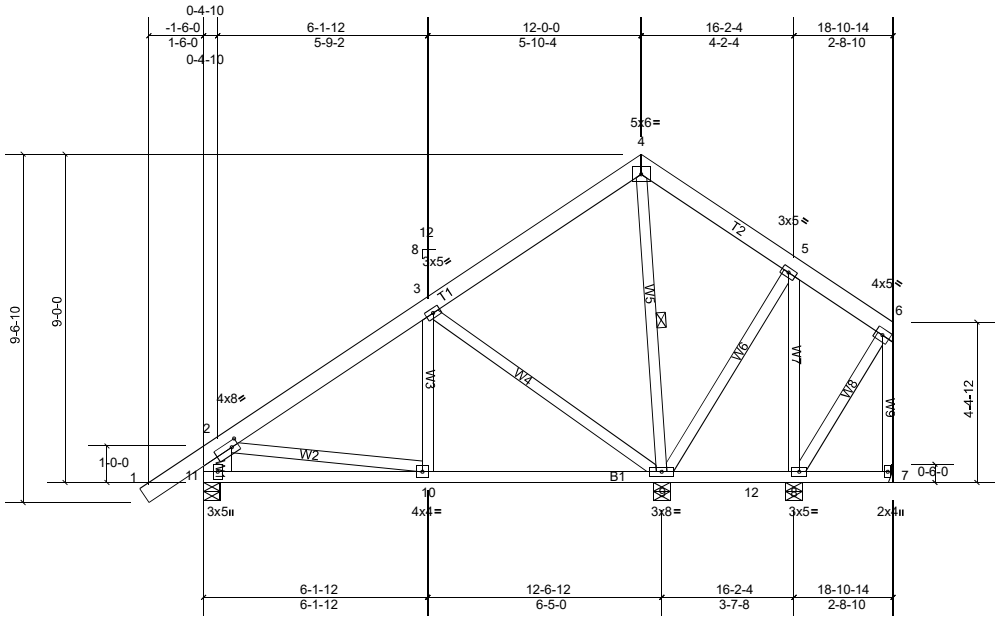

Scale = 1:63.2

Plate Offsets (X, Y): [2:0-2-4,0-2-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.19	Vert(LL)	-0.02	9-10	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.15	Vert(TL)	-0.05	9-10	>999	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.67	Horiz(TL)	0.01	7	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 134 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF Stud *Except* W1:2x10 HF SS

REACTIONS All bearings 0-5-8. except 7= Mechanical
(lb) - Max Horiz 11=224 (LC 5)
Max Uplift All uplift 100 (lb) or less at joint(s) 7, 8, 9, 11
Max Grav All reactions 250 (lb) or less at joint(s) 7 except 8=278 (LC 17), 9=1126 (LC 1), 11=909 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-728/44, 2-11=-866/101
BOT CHORD 10-11=-285/233, 9-10=-108/479
WEBS 3-9=-614/152, 4-9=-550/21, 2-10=0/343

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 4-9

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

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 45.0 psf on overhangs non-concurrent with other live loads.
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 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members, with BCDL = 8.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11, 7, 9, 8.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	T14	Roof Special	1	1	Job Reference (optional)

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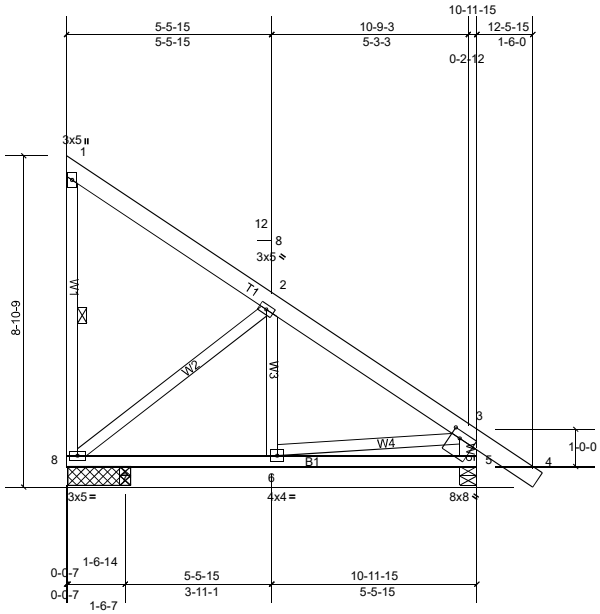

Scale = 1:61.7

Plate Offsets (X, Y): [5:0-3-0,0-2-4]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.39	Vert(LL)	-0.02	5-6	>999	240	MT20	220/195
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.10	Vert(TL)	-0.03	5-6	>999	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.45	Horiz(TL)	0.00	5	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 74 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF Stud *Except* W5:2x6 SPF No.2

REACTIONS (lb/size) 5=839/0-5-8, (min. 0-1-8), 7=57/0-3-8, (min. 0-1-8), 8=570/1-8-3, (min. 0-1-8)
Max Horiz 8=-246 (LC 6)
Max Uplift 5=-55 (LC 9), 7=-14 (LC 5), 8=-133 (LC 4)
Max Grav 5=839 (LC 1), 7=104 (LC 3), 8=570 (LC 1)

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 1-8

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

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-676/17, 3-5=-796/78
BOT CHORD 7-8=0/441, 6-7=0/441
WEBS 2-8=-558/140, 3-6=-10/330

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 45.0 psf on overhangs non-concurrent with other live loads.
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 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 133 lb uplift at joint 8, 55 lb uplift at joint 5 and 14 lb uplift at joint 7.
7) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	T14A	Roof Special	1	1	Job Reference (optional)

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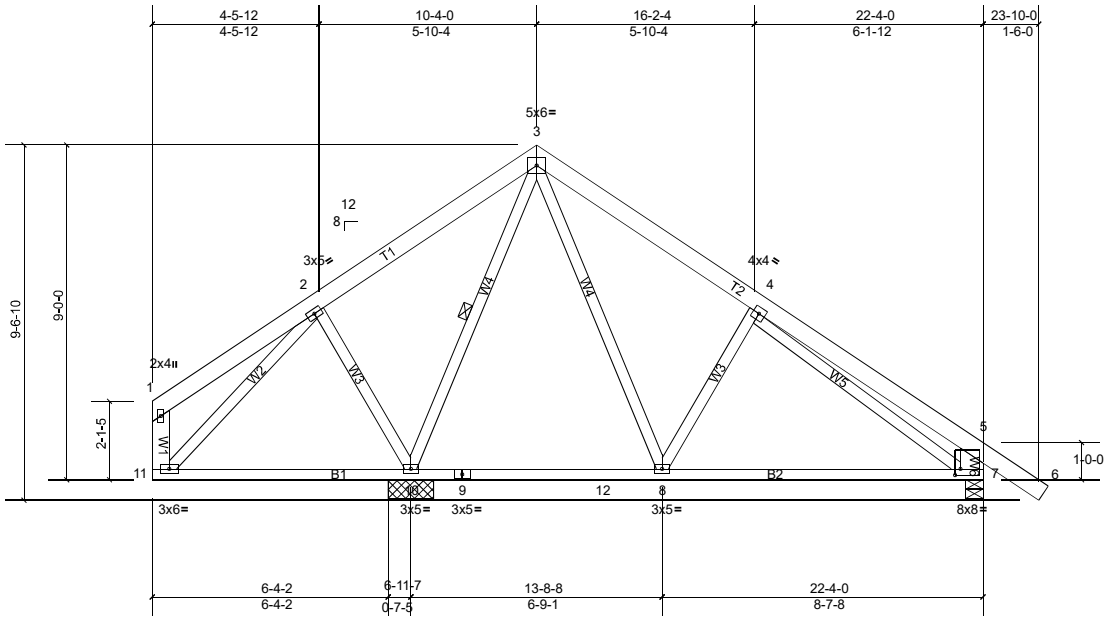

Scale = 1:61.9

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	-0.09	7-8	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.25	Vert(TL)	-0.20	7-8	>895	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.56	Horiz(TL)	0.01	7	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 141 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF Stud *Except* W6:2x8 HF 1950F 1.7E, W1:2x6 SPF No.2

REACTIONS (lb/size) 7=938/0-5-8, (min. 0-1-8), 10=1879/1-2-10, (min. 0-2-0)
Max Horiz 10=-200 (LC 6)
Max Uplift 7=-93 (LC 9), 10=-106 (LC 8)

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 3-10

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

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=0/693, 3-4=-498/127, 4-5=-436/234, 5-7=-650/135
BOT CHORD 7-8=0/503
WEBS 2-10=-593/181, 3-10=-1339/79, 3-8=-94/616, 4-8=-492/190, 4-7=-358/15, 2-11=-9/261

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 45.0 psf on overhangs non-concurrent with other live loads.
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 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members, with BCDL = 8.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 106 lb uplift at joint 10 and 93 lb uplift at joint 7.
7) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	T15	Roof Special	1	1	Job Reference (optional)

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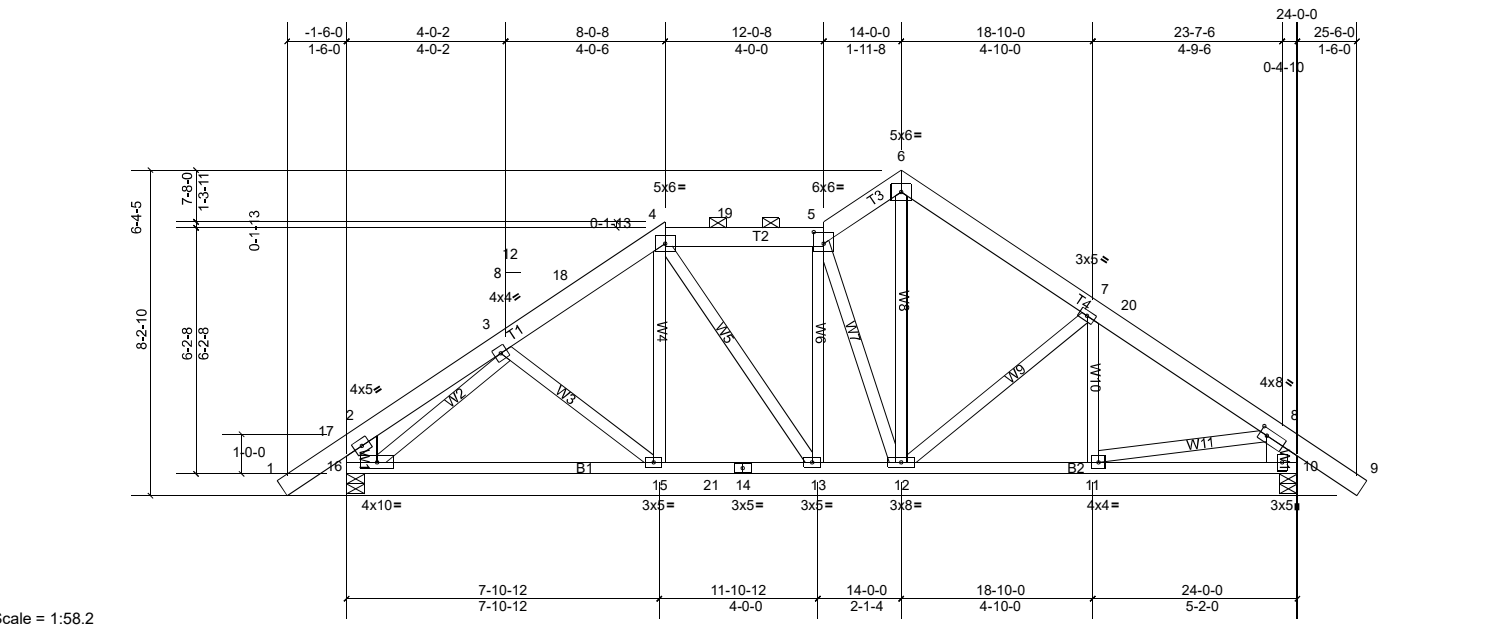

Scale = 1:58.2

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.22	Vert(LL)	-0.06	15-16	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.22	Vert(TL)	-0.14	15-16	>999	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.65	Horiz(TL)	0.03	10	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 167 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF Stud *Except* W1:2x10 HF SS

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-5.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 10-11.

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

REACTIONS (lb/size) 10=1603/0-5-8, (min. 0-1-11), 16=1603/0-5-8, (min. 0-2-4)
Max Horiz 16=-174 (LC 8)
Max Uplift 10=-112 (LC 11), 16=-138 (LC 10)
Max Grav 10=1603 (LC 1), 16=2105 (LC 31)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-492/224, 3-18=-1670/133, 4-18=-1457/144, 4-19=-1327/145, 5-19=-1327/145, 5-6=-1315/147, 6-7=-1434/149, 7-20=-1473/103, 8-20=-1722/84, 2-16=-943/94, 8-10=-1560/132
BOT CHORD 15-16=-131/1422, 15-21=-54/1213, 14-21=-54/1213, 13-14=-54/1213, 12-13=-46/1331, 11-12=-19/1303, 10-11=-267/189
WEBS 4-15=0/284, 4-13=-89/340, 5-13=-271/88, 3-15=-256/155, 3-16=-1635/115, 6-12=-109/1022, 5-12=-961/140, 7-12=-468/113, 8-11=-20/1168

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
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 45.0 psf on overhangs non-concurrent with other live loads.
5) Provide adequate drainage to prevent water ponding.
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 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members, with BCDL = 8.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 112 lb uplift at joint 10 and 138 lb uplift at joint 16.
9) 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.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	T15A	Hip	1	1	Job Reference (optional)

Run: 8.22 S Sep 9 2018 Print: 8.230 S Jan 20 2019 MiTek Industries, Inc. Thu Jan 31 13:49:49 Page: 1
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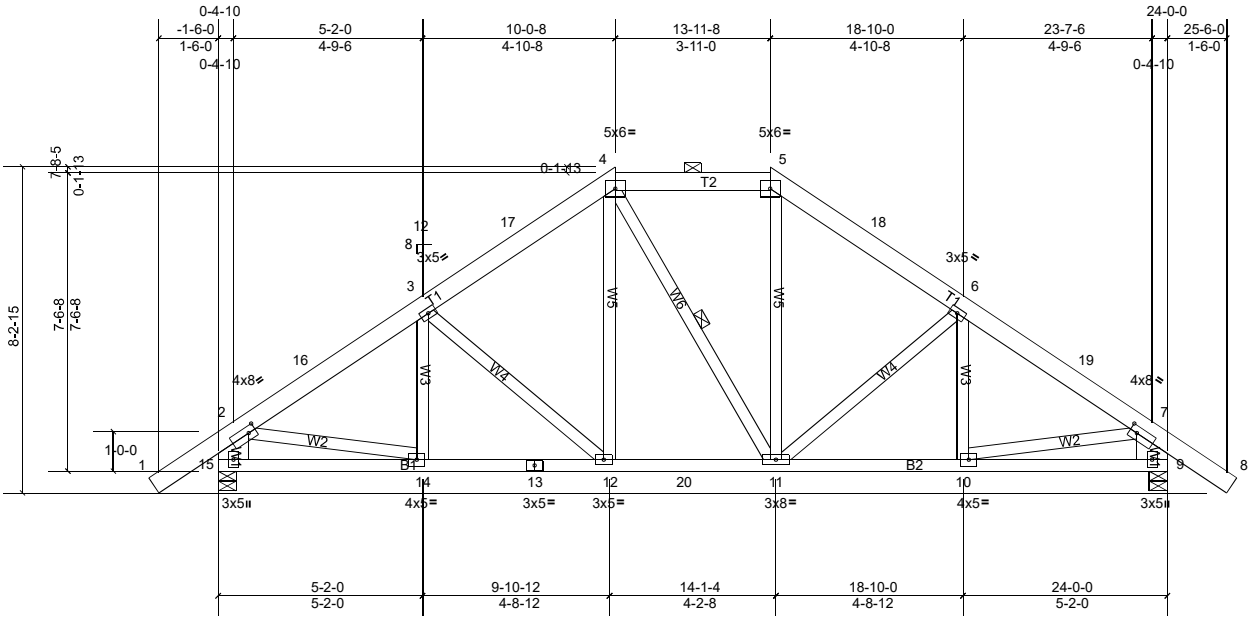

Scale = 1:58.3

Plate Offsets (X, Y): [2:0-2-4,0-2-0], [7:0-2-4,0-2-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.24	Vert(LL)	-0.06	12-14	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.22	Vert(TL)	-0.09	12-14	>999	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.55	Horiz(TL)	0.04	9	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 161 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF Stud *Except* W1:2x10 HF SS

REACTIONS (lb/size) 9=1603/0-5-8, (min. 0-2-10), 15=1603/0-5-8, (min. 0-2-10)
Max Horiz 15=-173 (LC 8)
Max Uplift 9=-112 (LC 11), 15=-112 (LC 10)
Max Grav 9=2435 (LC 29), 15=2435 (LC 29)

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-11-12 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-5.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 4-11

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

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-16=-2508/83, 3-16=-2064/96, 3-17=-1980/103, 4-17=-1711/115, 4-5=-1425/130, 5-18=-1715/115, 6-18=-1981/103, 6-19=-2063/97, 7-19=-2507/84, 2-15=-2388/133, 7-9=-2387/133
BOT CHORD 14-15=-269/307, 13-14=-78/1862, 12-13=-78/1862, 12-20=-22/1422, 11-20=-22/1422, 10-11=0/1861, 9-10=-269/235
WEBS 3-12=-566/115, 4-12=-33/442, 4-11=-251/258, 5-11=-21/437, 6-11=-561/116, 2-14=-8/1654, 7-10=-1/1651

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
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 45.0 psf on overhangs non-concurrent with other live loads.
5) Provide adequate drainage to prevent water ponding.
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 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members, with BCDL = 8.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 112 lb uplift at joint 15 and 112 lb uplift at joint 9.
9) 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.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	T16	Roof Special	1	1	Job Reference (optional)

Run: 8.22 S Sep 9 2018 Print: 8.230 S Jan 20 2019 MiTek Industries, Inc. Thu Jan 31 13:49:50 Page: 1
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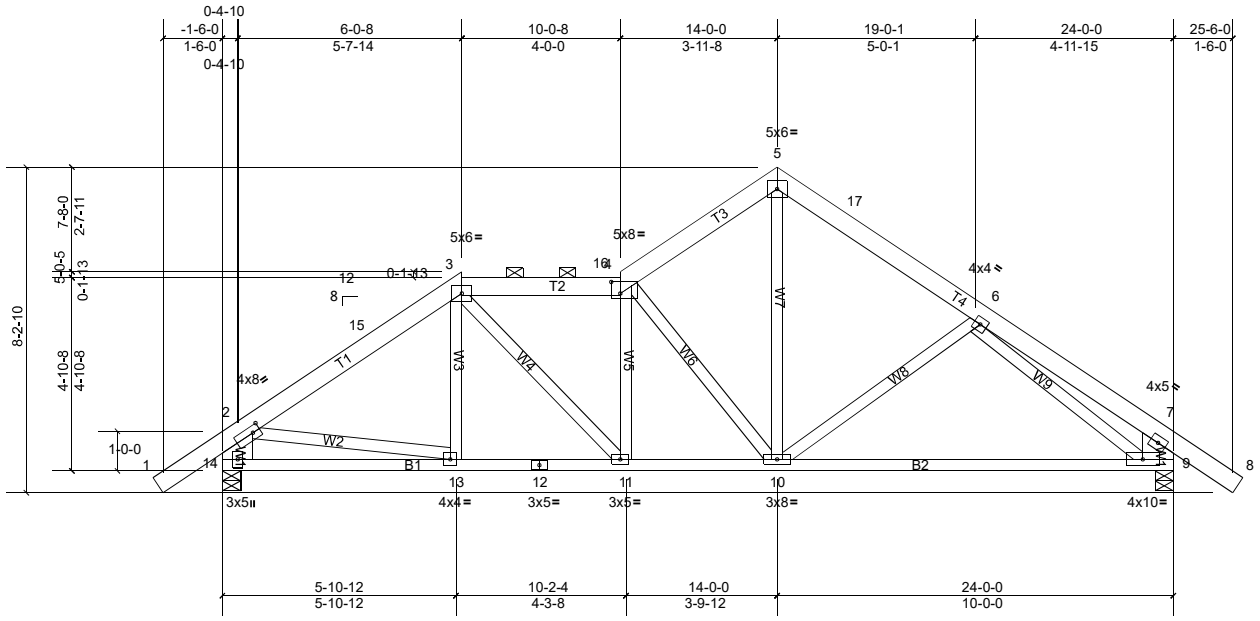

Scale = 1:58.2

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.32	Vert(LL)	-0.16	9-10	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.38	Vert(TL)	-0.36	9-10	>764	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.77	Horiz(TL)	0.04	9	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 154 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF Stud *Except* W1:2x10 HF SS

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-4.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 13-14.

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

REACTIONS (lb/size) 9=1603/0-5-8, (min. 0-1-11), 14=1603/0-5-8, (min. 0-2-3)
Max Horiz 14=-174 (LC 8)
Max Uplift 9=-112 (LC 11), 14=-138 (LC 10)
Max Grav 9=1603 (LC 1), 14=2055 (LC 31)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-15=-1938/116, 3-15=-1595/127, 3-16=-1696/158, 4-16=-1696/158, 4-5=-1403/125, 5-17=-1251/138, 6-17=-1456/126, 6-7=-534/207, 2-14=-2011/163, 7-9=-707/98
BOT CHORD 13-14=-256/479, 12-13=-89/1334, 11-12=-89/1334, 10-11=-99/1683, 9-10=-39/1270
WEBS 3-11=-53/601, 4-11=-425/52, 4-10=-1019/157, 5-10=-65/950, 2-13=-3/999, 6-10=-399/149, 6-9=-1321/96

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
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 45.0 psf on overhangs non-concurrent with other live loads.
5) Provide adequate drainage to prevent water ponding.
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 3-06-00 tall by 1-00-00 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 138 lb uplift at joint 14 and 112 lb uplift at joint 9.
9) 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.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	T16A	Roof Special	1	1	Job Reference (optional)

Run: 8.22 S Sep 9 2018 Print: 8.230 S Jan 20 2019 MiTek Industries, Inc. Thu Jan 31 13:49:52 Page: 1
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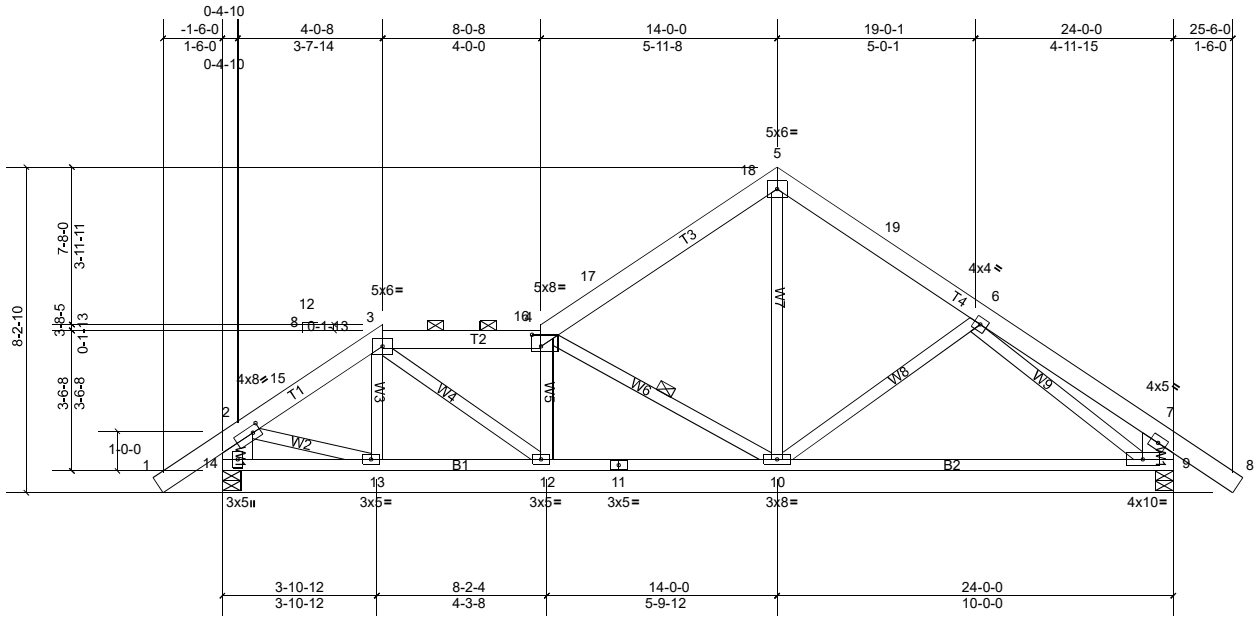


Scale = 1:58.2

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.34	Vert(LL)	-0.16	9-10	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.35	Vert(TL)	-0.37	9-10	>758	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.77	Horiz(TL)	0.04	9	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 147 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF Stud *Except* W1:2x10 HF SS

REACTIONS (lb/size) 9=1603/0-5-8, (min. 0-1-11), 14=1603/0-5-8, (min. 0-2-2)
Max Horiz 14=-174 (LC 8)
Max Uplift 9=-112 (LC 11), 14=-138 (LC 10)
Max Grav 9=1603 (LC 1), 14=2005 (LC 31)

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-4.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 13-14.
WEBS 1 Row at midpt 4-10

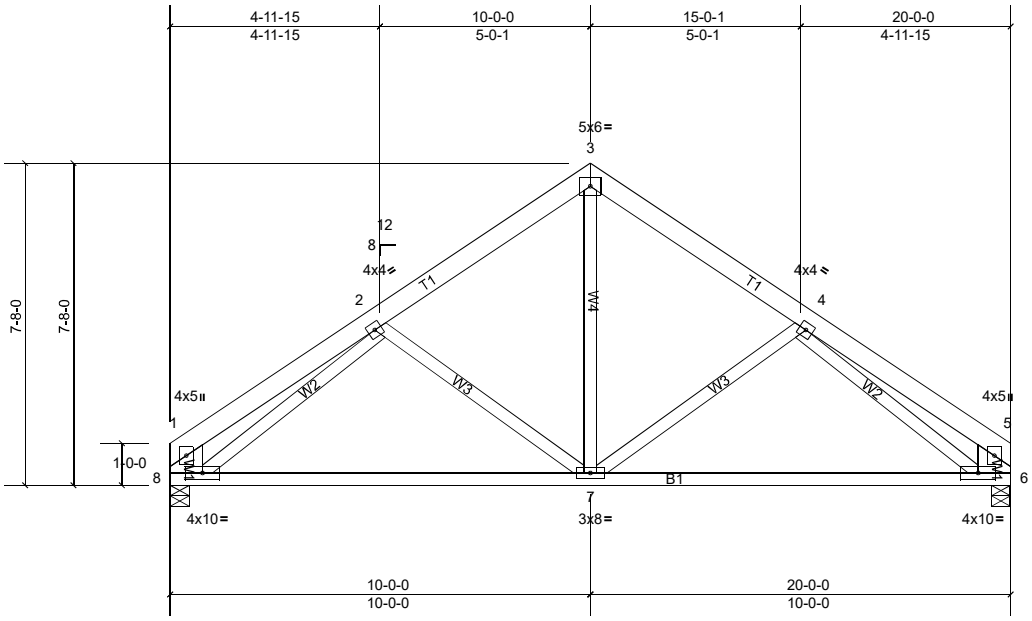
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-15=-1818/105, 3-15=-1574/120, 3-16=-2375/183, 4-16=-2375/183, 4-17=-1654/98, 17-18=-1351/117, 5-18=-1143/119, 5-19=-1308/139, 6-19=-1459/125, 6-7=-541/206, 2-14=-1974/152, 7-9=-714/99
BOT CHORD 13-14=-294/192, 12-13=-110/1328, 11-12=-161/2341, 10-11=-161/2341, 9-10=-38/1270
WEBS 3-12=-70/1326, 4-12=-763/81, 4-10=-1388/185, 5-10=-30/854, 2-13=-40/1268, 6-10=-398/147, 6-9=-1322/91

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
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 45.0 psf on overhangs non-concurrent with other live loads.
5) Provide adequate drainage to prevent water ponding.
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 3-06-00 tall by 1-00-00 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 138 lb uplift at joint 14 and 112 lb uplift at joint 9.
9) 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.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	T17	Roof Special	1	1	Job Reference (optional)



Scale = 1:54.8

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.10	Vert(LL)	-0.13	6-7	>999	240	MT20	185/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.41	Vert(TL)	-0.28	6-7	>823	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.59	Horiz(TL)	0.03	6	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 116 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF Stud *Except* W1:2x10 HF SS

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
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) 6=1154/0-5-7, (min. 0-1-8), 8=1154/0-5-8, (min. 0-1-8)
Max Horiz 8=-148 (LC 4)
Max Uplift 6=-69 (LC 9), 8=-69 (LC 8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-489/45, 2-3=-1121/112, 3-4=-1121/112, 4-5=-489/44, 1-8=-431/60, 5-6=-431/59
BOT CHORD 7-8=-119/1063, 6-7=-56/1063
WEBS 3-7=-25/540, 2-7=-316/158, 2-8=-1004/84, 4-7=-316/159, 4-6=-1004/83

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 69 lb uplift at joint 8 and 69 lb uplift at joint 6.
6) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	T18	Roof Special	1	1	Job Reference (optional)

Run: 8.22 S Sep 9 2018 Print: 8.230 S Jan 20 2019 MiTek Industries, Inc. Thu Jan 31 13:49:53 Page: 1
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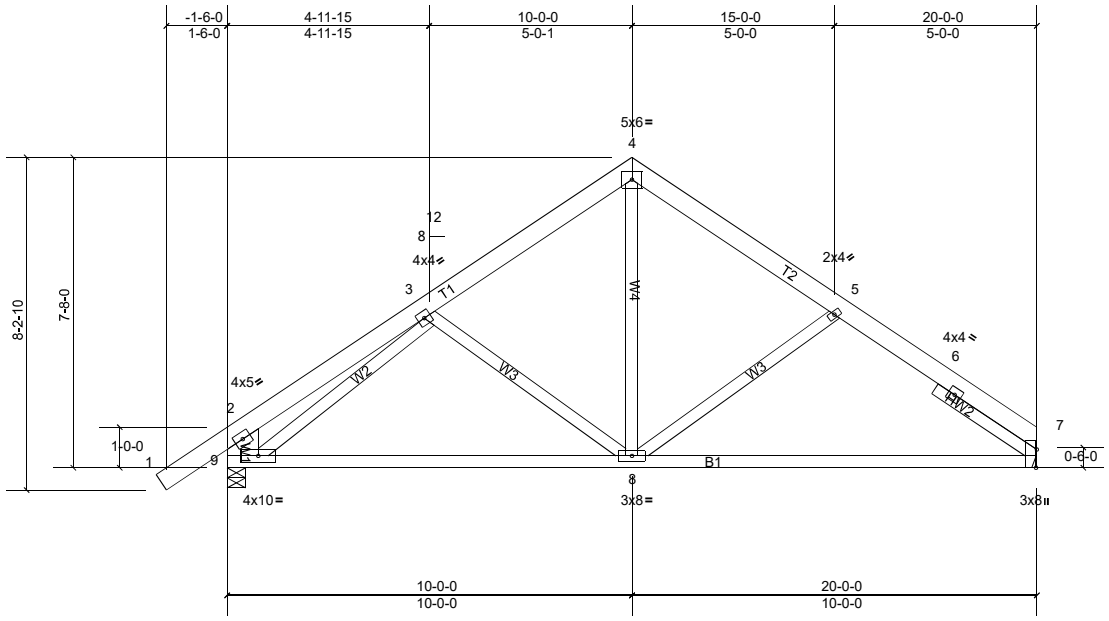


Scale = 1:56.9

Plate Offsets (X, Y): [7:0-5-6,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.19	Vert(LL)	-0.16	7-8	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.43	Vert(TL)	-0.35	7-8	>673	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.61	Horiz(TL)	0.03	7	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 114 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF Stud *Except* W1:2x10 HF SS
SLIDER Right 2x4 DF Stud -- 3-0-3

REACTIONS (lb/size) 7=1166/ Mechanical, (min. 0-1-8), 9=1397/0-5-8, (min. 0-1-8)
Max Horiz 9=-157 (LC 6)
Max Uplift 7=-71 (LC 9), 9=-107 (LC 8)

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

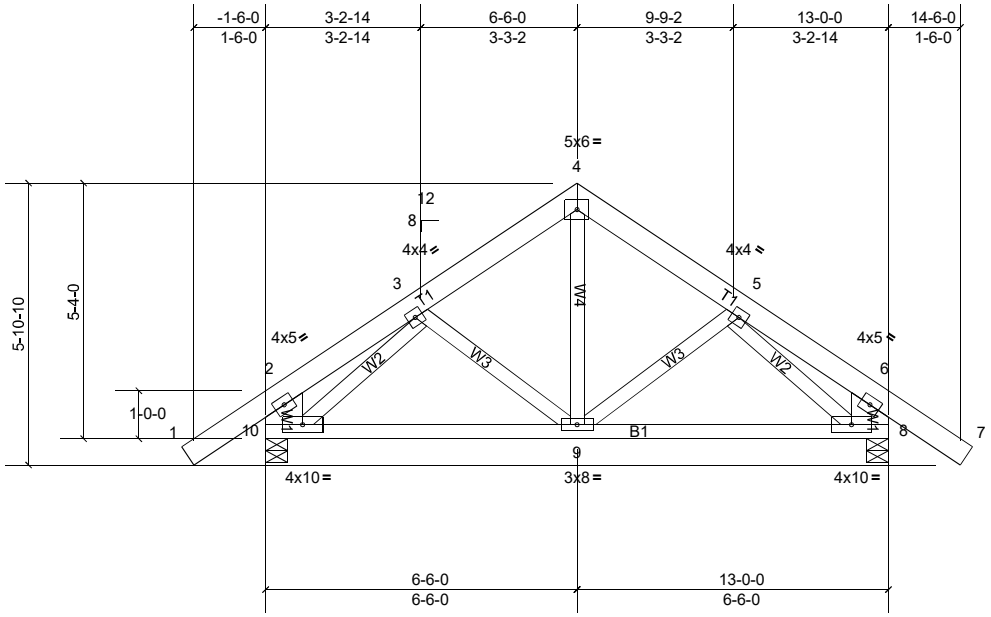
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-446/231, 3-4=-1138/114, 4-5=-1138/110, 5-6=-1411/126, 6-7=-1537/111, 2-9=-649/101
BOT CHORD 8-9=-110/1037, 7-8=-39/1126
WEBS 4-8=-27/546, 3-8=-261/151, 3-9=-1044/71, 5-8=-371/168

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 45.0 psf on overhangs non-concurrent with other live loads.
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 3-06-00 tall by 1-00-00 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 71 lb uplift at joint 7 and 107 lb uplift at joint 9.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	T19	Common	1	1	Job Reference (optional)



Scale = 1:48.1

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.19	Vert(LL)	-0.02	9-10	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.16	Vert(TL)	-0.05	9-10	>999	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.18	Horiz(TL)	0.01	8	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 83 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF Stud *Except* W1:2x10 HF SS

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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

REACTIONS (lb/size) 8=943/0-5-8, (min. 0-1-8), 10=943/0-5-8, (min. 0-1-8)
Max Horiz 10=129 (LC 7)
Max Uplift 8=-80 (LC 9), 10=-80 (LC 8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-160/290, 3-4=-600/68, 4-5=-600/68, 5-6=-160/290, 2-10=-443/70, 6-8=-443/69
BOT CHORD 9-10=-39/500, 8-9=-25/500
WEBS 3-10=-649/52, 5-8=-649/53

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 45.0 psf on overhangs non-concurrent with other live loads.
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 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 80 lb uplift at joint 10 and 80 lb uplift at joint 8.
7) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	T20	Common	1	1	Job Reference (optional)

Run: 8.22 S Sep 9 2018 Print: 8.230 S Jan 20 2019 MiTek Industries, Inc. Thu Jan 31 13:49:55 Page: 1
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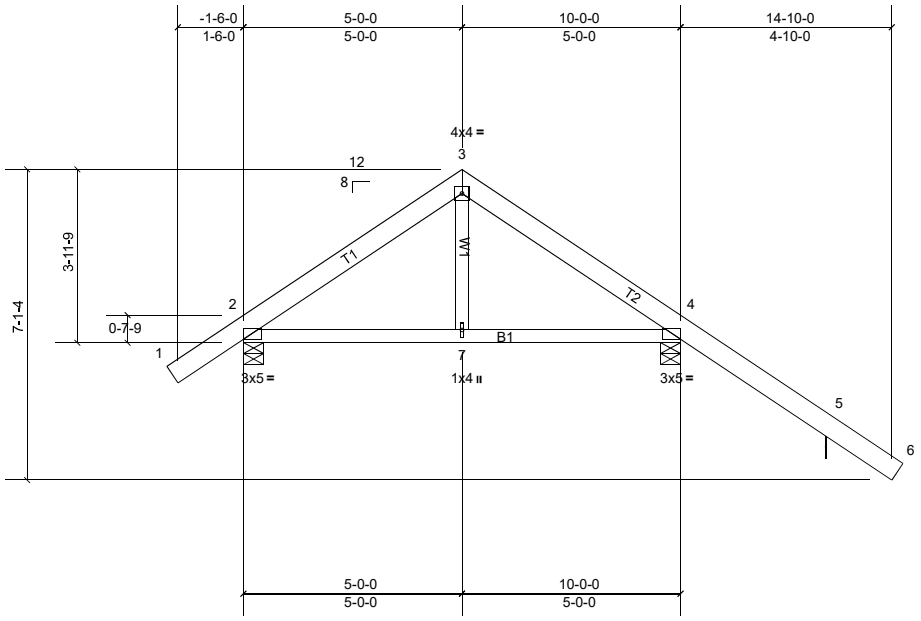


Scale = 1:52.7

Plate Offsets (X, Y): [2:Edge,0-0-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.16	Vert(LL)	0.01	2-7	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.10	Vert(TL)	-0.02	2-7	>999	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.06	Horiz(TL)	0.01	5	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 54 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF 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.

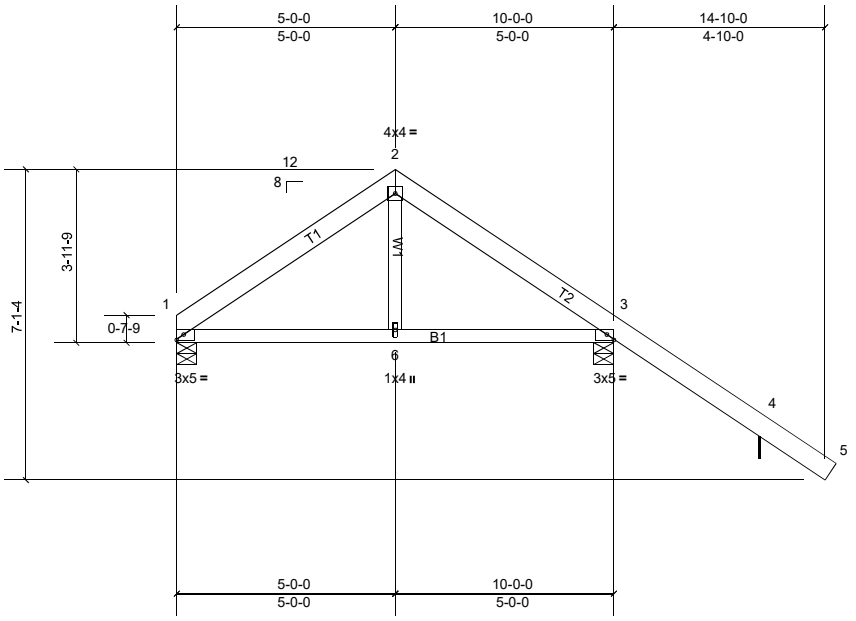
REACTIONS (lb/size) 2=763/0-5-8, (min. 0-1-8), 4=811/0-5-8, (min. 0-1-8), 5=369/0-0-4, (req. 0-1-8)
Max Horiz 2=-124 (LC 9)
Max Uplift 2=-70 (LC 8), 4=-27 (LC 9), 5=-78 (LC 9)
Max Grav 2=763 (LC 1), 4=811 (LC 1), 5=447 (LC 14)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-620/42, 3-4=-623/44
BOT CHORD 2-7=0/372, 4-7=0/372

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 45.0 psf on overhangs non-concurrent with other live loads.
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 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
6) WARNING: Required bearing size at joint(s) 5 greater than input bearing size.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 70 lb uplift at joint 2, 27 lb uplift at joint 4 and 78 lb uplift at joint 5.
8) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 5.
9) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	T21	Common	2	1	Job Reference (optional)



Scale = 1:52.7

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.13	Vert(LL)	-0.01	1-6	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.10	Vert(TL)	-0.02	1-6	>999	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.06	Horiz(TL)	0.01	4	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 51 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF 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) 1=552/0-5-8, (min. 0-1-8), 3=828/0-5-8, (min. 0-1-8), 4=371/0-0-4, (req. 0-1-8)
Max Horiz 1=-135 (LC 9)
Max Uplift 1=-33 (LC 8), 3=-28 (LC 9), 4=-78 (LC 9)
Max Grav 1=552 (LC 1), 3=828 (LC 1), 4=451 (LC 14)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-611/43, 2-3=-662/53
BOT CHORD 1-6=0/407, 3-6=0/407

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 45.0 psf on overhangs non-concurrent with other live loads.
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 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
6) WARNING: Required bearing size at joint(s) 4 greater than input bearing size.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 33 lb uplift at joint 1, 28 lb uplift at joint 3 and 78 lb uplift at joint 4.
8) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 4.
9) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	T22	Common	1	1	Job Reference (optional)

Run: 8.22 S Sep 9 2018 Print: 8.230 S Jan 20 2019 MiTek Industries, Inc. Thu Jan 31 13:49:56 Page: 1
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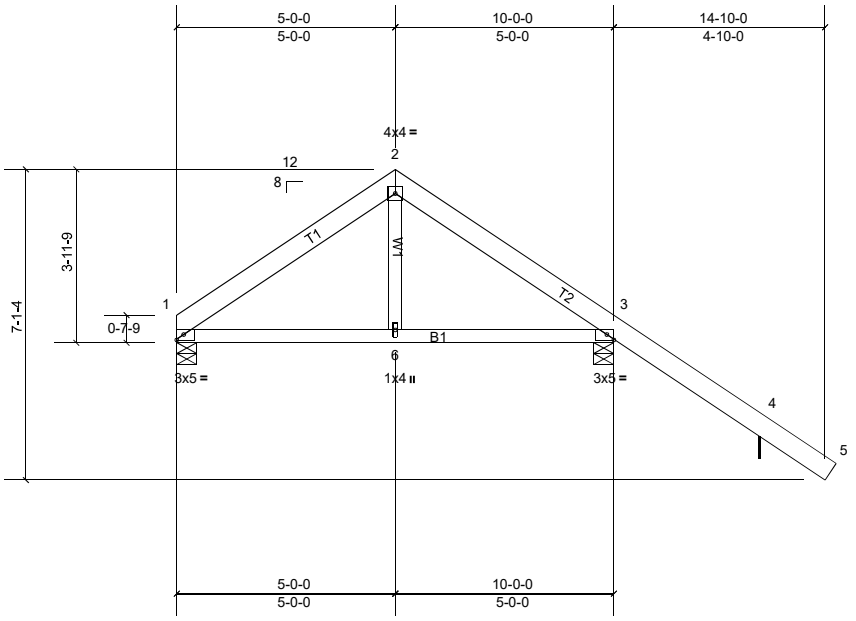

Scale = 1:52.7

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.13	Vert(LL)	-0.01	1-6	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.10	Vert(TL)	-0.02	1-6	>999	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.06	Horiz(TL)	0.01	4	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 51 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF 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) 1=552/0-5-8, (min. 0-1-8), 3=828/0-5-8, (min. 0-1-8), 4=371/0-0-4, (req. 0-1-8)
Max Horiz 1=-135 (LC 9)
Max Uplift 1=-33 (LC 8), 3=-28 (LC 9), 4=-78 (LC 9)
Max Grav 1=552 (LC 1), 3=828 (LC 1), 4=451 (LC 14)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-611/43, 2-3=-662/53
BOT CHORD 1-6=0/407, 3-6=0/407

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 45.0 psf on overhangs non-concurrent with other live loads.
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 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
6) WARNING: Required bearing size at joint(s) 4 greater than input bearing size.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 33 lb uplift at joint 1, 28 lb uplift at joint 3 and 78 lb uplift at joint 4.
8) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 4.
9) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	T23	Roof Special	1	1	Job Reference (optional)

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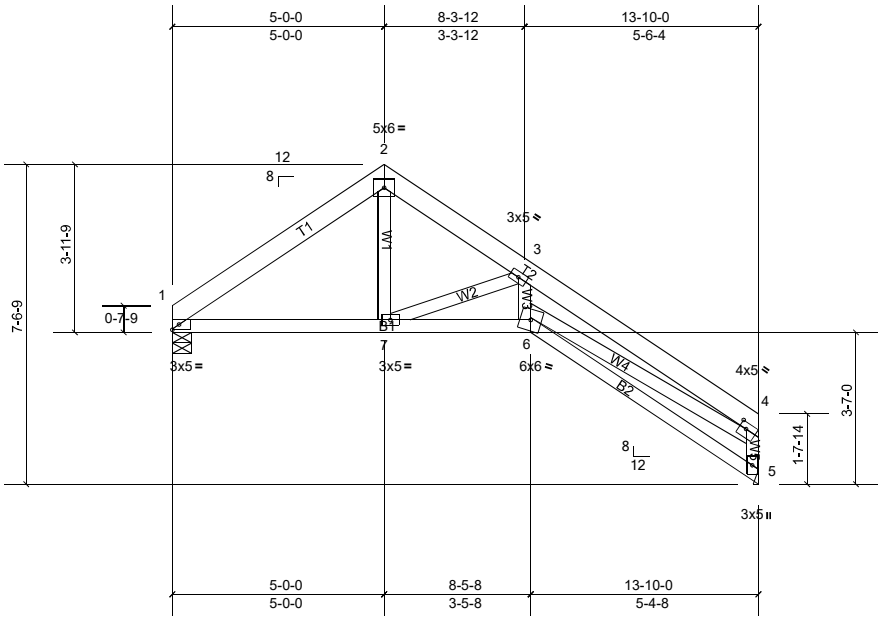


Scale = 1:54.4

Plate Offsets (X, Y): [4:Edge,0-1-12]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.52	Vert(LL)	-0.11	6	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.23	Vert(TL)	-0.16	6	>999	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.66	Horiz(TL)	0.12	5	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 71 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF Stud

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-9-9 oc purlins, except end verticals.
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.

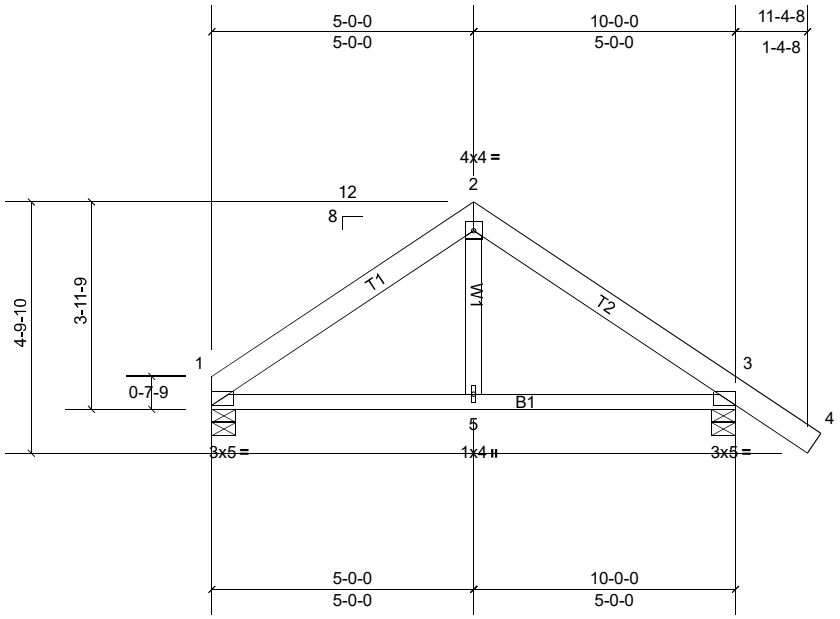
REACTIONS (lb/size) 1=808/0-5-8, (min. 0-1-8), 5=808/ Mechanical, (min. 0-1-8)
Max Horiz 1=-126 (LC 4)
Max Uplift 1=-34 (LC 9), 5=-68 (LC 9)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1041/74, 2-3=-951/73, 3-4=-2580/155, 4-5=-868/105
BOT CHORD 1-7=0/752, 6-7=-81/1899
WEBS 3-6=0/938, 4-6=-66/1981, 2-7=-26/562, 3-7=-1236/176

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 34 lb uplift at joint 1 and 68 lb uplift at joint 5.
7) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	T24	Common	2	1	Job Reference (optional)



Scale = 1:44

Plate Offsets (X, Y): [1:Edge,0-0-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.14	Vert(LL)	-0.01	1-5	>999	240	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.11	Vert(TL)	-0.02	1-5	>999	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.06	Horiz(TL)	0.01	3	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 43 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF 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) 1=556/0-5-8, (min. 0-1-8), 3=769/0-5-8, (min. 0-1-8)
Max Horiz 1=-79 (LC 4)
Max Uplift 1=-33 (LC 8), 3=-68 (LC 9)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-620/46, 2-3=-667/52
BOT CHORD 1-5=0/415, 3-5=0/415

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 45.0 psf on overhangs non-concurrent with other live loads.
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 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 33 lb uplift at joint 1 and 68 lb uplift at joint 3.
7) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	V01	Valley	1	1	Job Reference (optional)

Run: 8.22 S Sep 9 2018 Print: 8.230 S Jan 20 2019 MiTek Industries, Inc. Thu Jan 31 13:49:57 Page: 1
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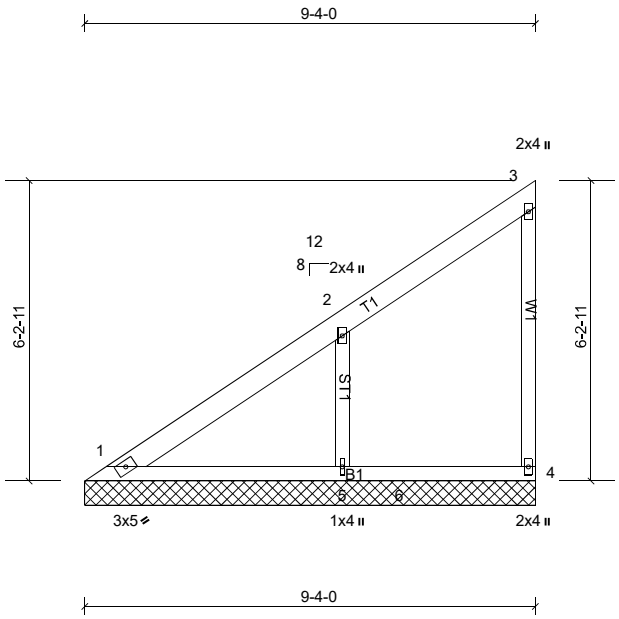


Scale = 1:47.7

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.22	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.08	Vert(TL)	n/a	-	n/a	999		
TCDL	7.0	Rep Stress Incr	YES	WB	0.13	Horiz(TL)	0.00	4	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 43 lb	FT = 0%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF Stud
OTHERS 2x4 DF Stud

REACTIONS (lb/size) 1=225/9-4-0, (min. 0-1-8), 4=162/9-4-0, (min. 0-1-8), 5=640/9-4-0, (min. 0-1-8)
Max Horiz 1=168 (LC 5)
Max Uplift 4=-31 (LC 5), 5=-134 (LC 8)
Max Grav 1=225 (LC 1), 4=207 (LC 15), 5=640 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-5=-550/173

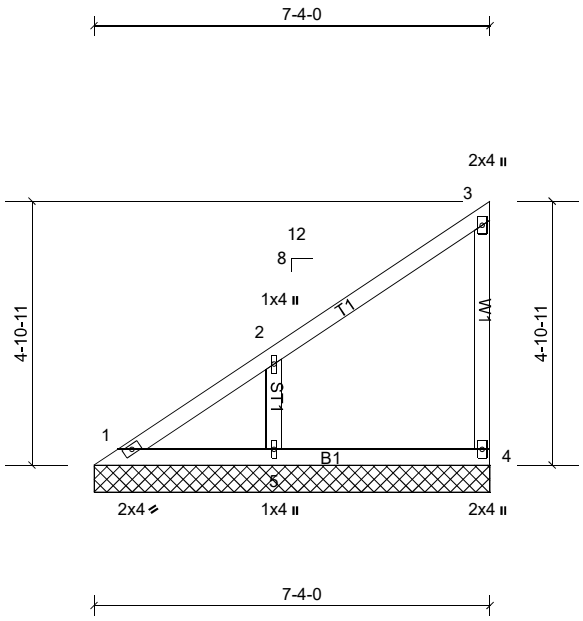
BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) Gable requires continuous bottom chord bearing.
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 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members, with BCDL = 8.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 31 lb uplift at joint 4 and 134 lb uplift at joint 5.
7) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	V02	Valley	2	1	Job Reference (optional)



Scale = 1:42.7

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.20	Vert(LL)	n/a	-	n/a	999	MT20	220/195
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.06	Vert(TL)	n/a	-	n/a	999		
TCDL	7.0	Rep Stress Incr	YES	WB	0.09	Horiz(TL)	0.00	4	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-P								
BCDL	8.0										Weight: 29 lb	FT = 0%

LUMBER

TOP CHORD	2x4 DF 2100F 1.8E
BOT CHORD	2x4 DF 2100F 1.8E
WEBS	2x4 DF Stud
OTHERS	2x4 DF Stud

REACTIONS (lb/size) 1=108/7-4-0, (min. 0-1-8), 4=185/7-4-0, (min. 0-1-8), 5=511/7-4-0, (min. 0-1-8)
Max Horiz 1=132 (LC 5)
Max Uplift 1=-11 (LC 4), 4=-29 (LC 5), 5=-109 (LC 8)
Max Grav 1=122 (LC 16), 4=185 (LC 1), 5=511 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-5=-443/150

BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.

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.

NOTES

1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) Gable requires continuous bottom chord bearing.
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 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 11 lb uplift at joint 1, 29 lb uplift at joint 4 and 109 lb uplift at joint 5.
7) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	V03	Valley	1	1	Job Reference (optional)

Run: 8.22 S Sep 9 2018 Print: 8.230 S Jan 20 2019 MiTek Industries, Inc. Thu Jan 31 13:49:58 Page: 1
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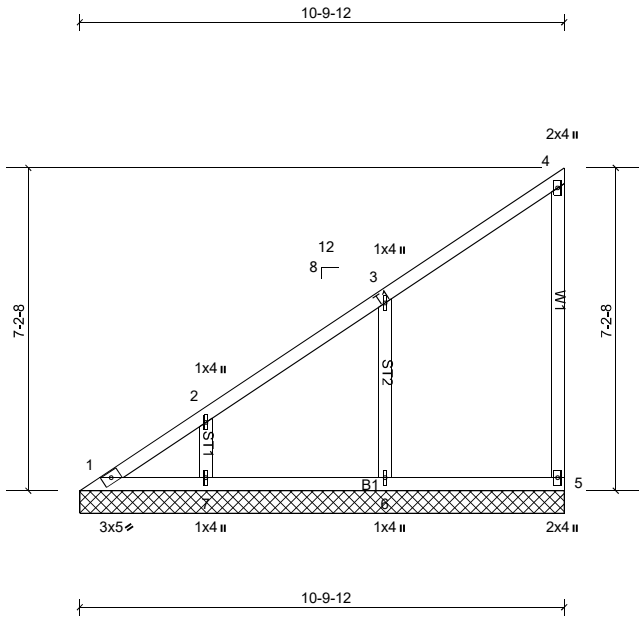

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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.33	Vert(LL)	n/a	-	n/a	999	MT20	220/195
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.08	Vert(TL)	n/a	-	n/a	999		
TCDL	7.0	Rep Stress Incr	YES	WB	0.16	Horiz(TL)	0.00	5	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 48 lb	FT = 0%

LUMBER
TOP CHORD 2x4 DF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF Stud
OTHERS 2x4 DF Stud

REACTIONS All bearings 10-9-12.
(lb) - Max Horiz 1=200 (LC 5)
Max Uplift All uplift 100 (lb) or less at joint(s) 1, 5, 7 except 6=-114 (LC 8)
Max Grav All reactions 250 (lb) or less at joint(s) 1, 5 except 6=554 (LC 15), 7=415 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-6=-461/145, 2-7=-356/124

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
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.

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) Gable requires continuous bottom chord bearing.
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 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members, with BCDL = 8.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5, 7 except (jt=lb) 6=114.
7) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	V04	Valley	1	1	Job Reference (optional)

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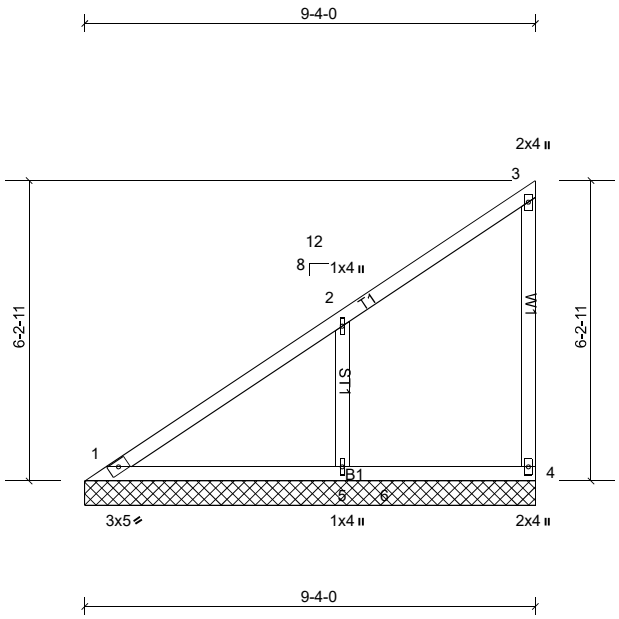

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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	n/a	-	n/a	999	MT20	220/195
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.09	Vert(TL)	n/a	-	n/a	999		
TCDL	7.0	Rep Stress Incr	YES	WB	0.14	Horiz(TL)	0.00	4	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-S								
BCDL	8.0										Weight: 39 lb	FT = 0%

LUMBER
TOP CHORD 2x4 DF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF Stud
OTHERS 2x4 DF Stud

REACTIONS (lb/size) 1=234/9-4-0, (min. 0-1-8), 4=159/9-4-0, (min. 0-1-8), 5=651/9-4-0, (min. 0-1-8)
Max Horiz 1=171 (LC 5)
Max Uplift 4=-33 (LC 5), 5=-139 (LC 8)
Max Grav 1=234 (LC 1), 4=207 (LC 15), 5=651 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-5=-547/176

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
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.

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) Gable requires continuous bottom chord bearing.
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 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members, with BCDL = 8.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 33 lb uplift at joint 4 and 139 lb uplift at joint 5.
7) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MAXVILLE HOME
180466	V05	Valley	1	1	Job Reference (optional)

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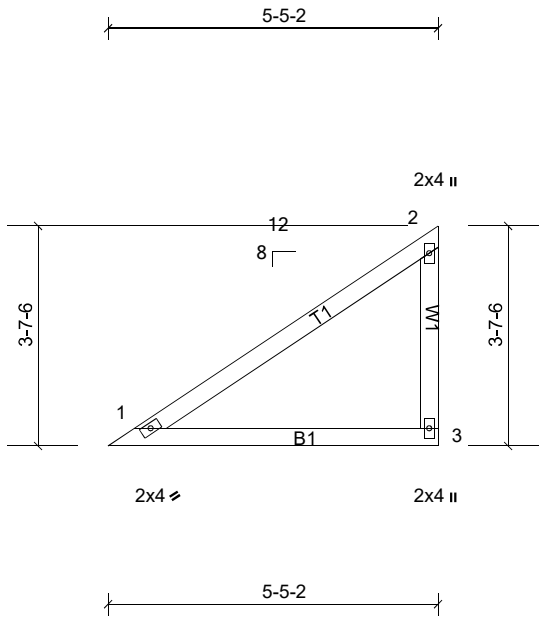

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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	45.0	Plate Grip DOL	1.15	TC	0.42	Vert(LL)	-0.02	1-3	>999	240	MT20	220/195
(Roof Snow = 45.0)		Lumber DOL	1.15	BC	0.13	Vert(TL)	-0.05	1-3	>999	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IRC2012/TPI2007	Matrix-P								
BCDL	8.0										Weight: 19 lb	FT = 0%

LUMBER
TOP CHORD 2x4 DF 2100F 1.8E
BOT CHORD 2x4 DF 2100F 1.8E
WEBS 2x4 DF Stud

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-5-2 oc purlins, except end verticals.
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) 1=288/5-5-2, (min. 0-1-8), 3=288/5-5-2, (min. 0-1-8)
Max Horiz 1=94 (LC 5)
Max Uplift 1=-13 (LC 8), 3=-46 (LC 8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pf=45.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 13 lb uplift at joint 1 and 46 lb uplift at joint 3.
6) 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.

LOAD CASE(S) Standard