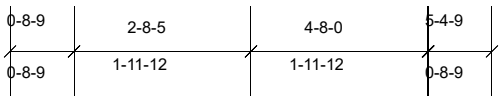
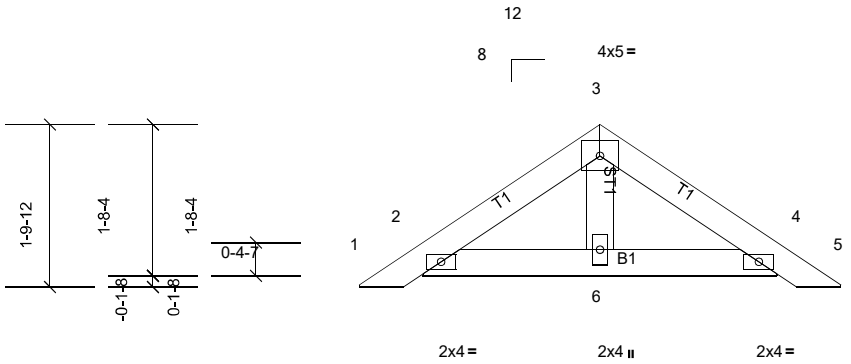
Job	Truss	Truss Type	Qty	Ply	HB 2000 V2-Roof
Q-2002150-1	CAP1	Piggyback	1	1	Job Reference (optional)





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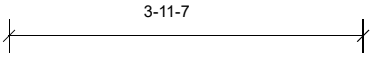


Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.03	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.04	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.01	Horz(CT)	n/a	-	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MP							Weight: 17 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-5-5 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.

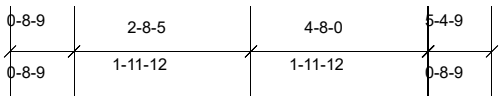
REACTIONS All bearings 3-11-7.
(lb) - Max Horiz 2=29 (LC 10)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 4
Max Grav All reactions 250 (lb) or less at joint(s) 6, 2, 4

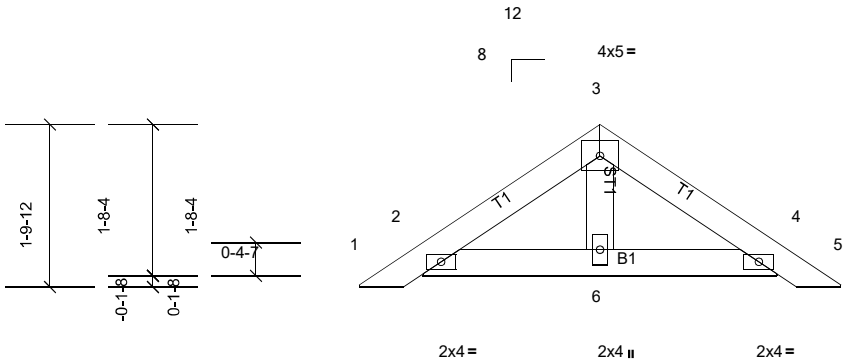
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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.
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 2-0-0 oc.
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 2-00-00 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) 2, 4, 2, 4.
8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	HB 2000 V2-Roof
Q-2002150-1	CAP2	Piggyback	18	1	Job Reference (optional)





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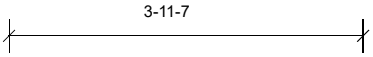


Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.03	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.04	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.01	Horz(CT)	n/a	-	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MP							Weight: 17 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-5-5 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.

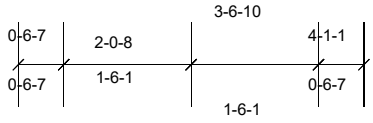
REACTIONS All bearings 3-11-7.
(lb) - Max Horiz 2=29 (LC 10)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 4
Max Grav All reactions 250 (lb) or less at joint(s) 6, 2, 4

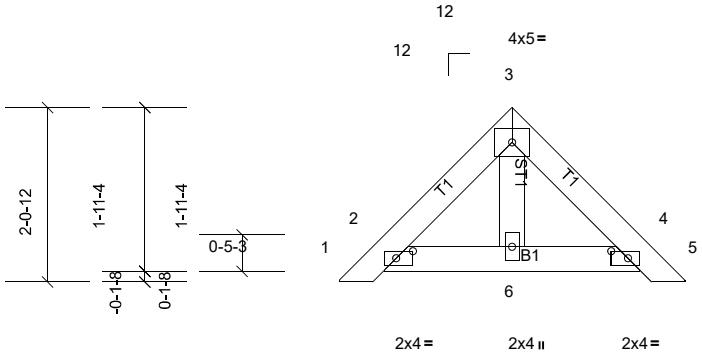
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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.
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 4-0-0 oc.
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 2-00-00 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) 2, 4, 2, 4.
8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	HB 2000 V2-Roof
Q-2002150-1	CAP3	Piggyback	2	1	Job Reference (optional)





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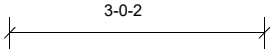


Plate Offsets (X, Y): [2:0-2-6,0-1-0], [4:0-2-6,0-1-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.02	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.02	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.01	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MP							Weight: 15 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-1-9 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.

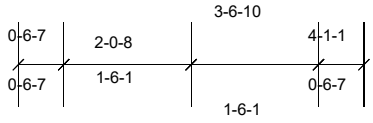
REACTIONS All bearings 3-0-2.
(lb) - Max Horiz 2=-37 (LC 9)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 4
Max Grav All reactions 250 (lb) or less at joint(s) 6, 2, 4

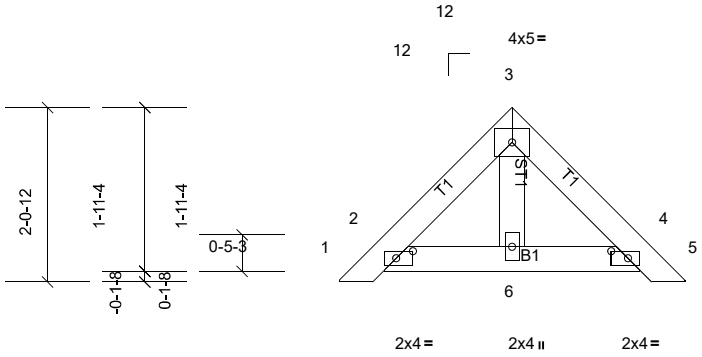
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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.
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 2-0-0 oc.
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 2-00-00 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) 2, 4, 2, 4.
8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	HB 2000 V2-Roof
Q-2002150-1	CAP4	Piggyback	11	1	Job Reference (optional)





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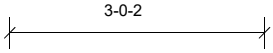

Plate Offsets (X, Y): [2:0-2-6,0-1-0], [4:0-2-6,0-1-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.02	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.02	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.01	Horz(CT)	n/a	-	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MP							Weight: 15 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-1-9 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 3-0-2.
(lb) - Max Horiz 2=-37 (LC 9)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 4
Max Grav All reactions 250 (lb) or less at joint(s) 6, 2, 4

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

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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.
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 4-0-0 oc.
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 2-00-00 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) 2, 4, 2, 4.
8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	HB 2000 V2-Roof
Q-2002150-1	T1	Jack-Closed	11	1	Job Reference (optional)

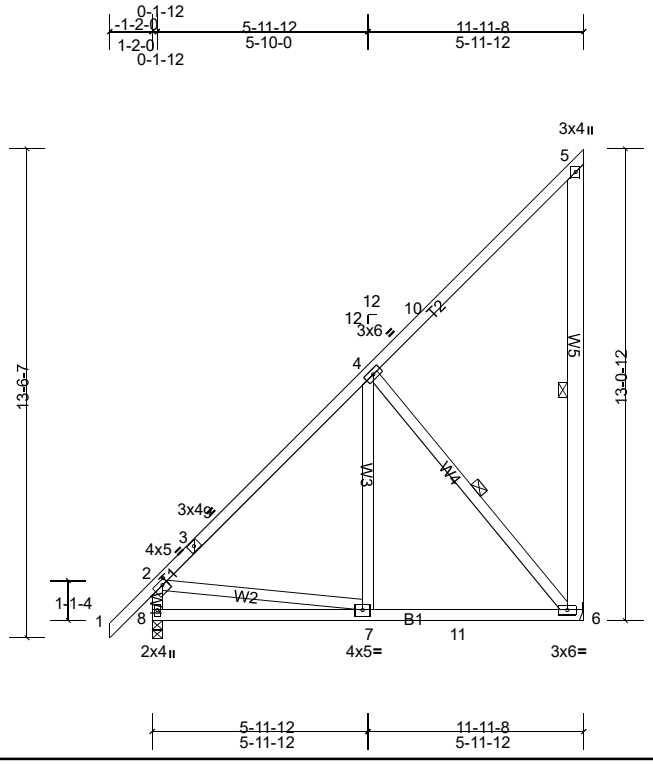

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Plate Offsets (X, Y): [2:0-1-12,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.53	Vert(LL)	-0.03	6-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.18	Vert(CT)	-0.05	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.19	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 107 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3 *Except* W5:2x6 SP No.2

REACTIONS (lb/size) 6=459/ Mechanical, (min. 0-1-8), 8=547/0-3-8, (min. 0-1-8)
Max Horiz 8=407 (LC 8)
Max Uplift 6=-177 (LC 8), 8=-14 (LC 11)
Max Grav 6=587 (LC 16), 8=610 (LC 17)

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-10-9 oc bracing.
WEBS 1 Row at midpt 5-6, 4-6

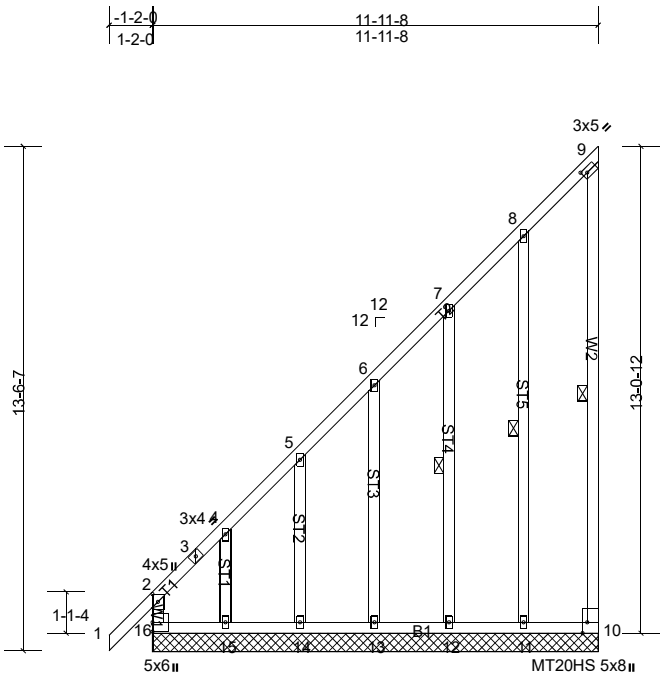
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-567/136, 2-3=-592/61, 3-9=-532/76, 4-9=-490/135, 4-10=-288/216, 5-10=-258/281, 5-6=-286/228
BOT CHORD 7-8=-631/730, 7-11=-249/439, 6-11=-249/439
WEBS 2-7=-294/386, 4-6=-459/224

NOTES
1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) -1-2-0 to 1-10-0, Interior (1) 1-10-0 to 11-8-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) * 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 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 14 lb uplift at joint 8 and 177 lb uplift at joint 6.
5) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	HB 2000 V2-Roof
Q-2002150-1	T1GE	Monopitch Supported Gable	1	1	Job Reference (optional)



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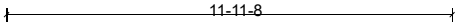


Plate Offsets (X, Y): [9:0-1-9,0-1-8], [10:0-3-8,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.79	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.36	Vert(CT)	n/a	-	n/a	999	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.17	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MR							Weight: 114 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.1
BOT CHORD	2x4 SP No.1
WEBS	2x4 SP No.3 *Except* W2:2x4 SP DSS
OTHERS	2x4 SP No.3

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 9-10, 8-11, 7-12

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

REACTIONS All bearings 11-11-8.

(lb) - Max Horiz 16=410 (LC 8)

Max Uplift All uplift 100 (lb) or less at joint(s) 12, 14 except 10=-142 (LC 10), 11=-107 (LC 11), 13=-105 (LC 11), 15=-289 (LC 11), 16=-194 (LC 9)

Max Grav All reactions 250 (lb) or less at joint(s) 10, 11, 12, 13, 14 except 15=255 (LC 9), 16=471 (LC 8)

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

TOP CHORD 2-16=-591/497, 2-3=-784/726, 3-4=-775/749, 4-5=-557/554, 5-6=-493/503, 6-7=-392/421, 7-8=-312/363

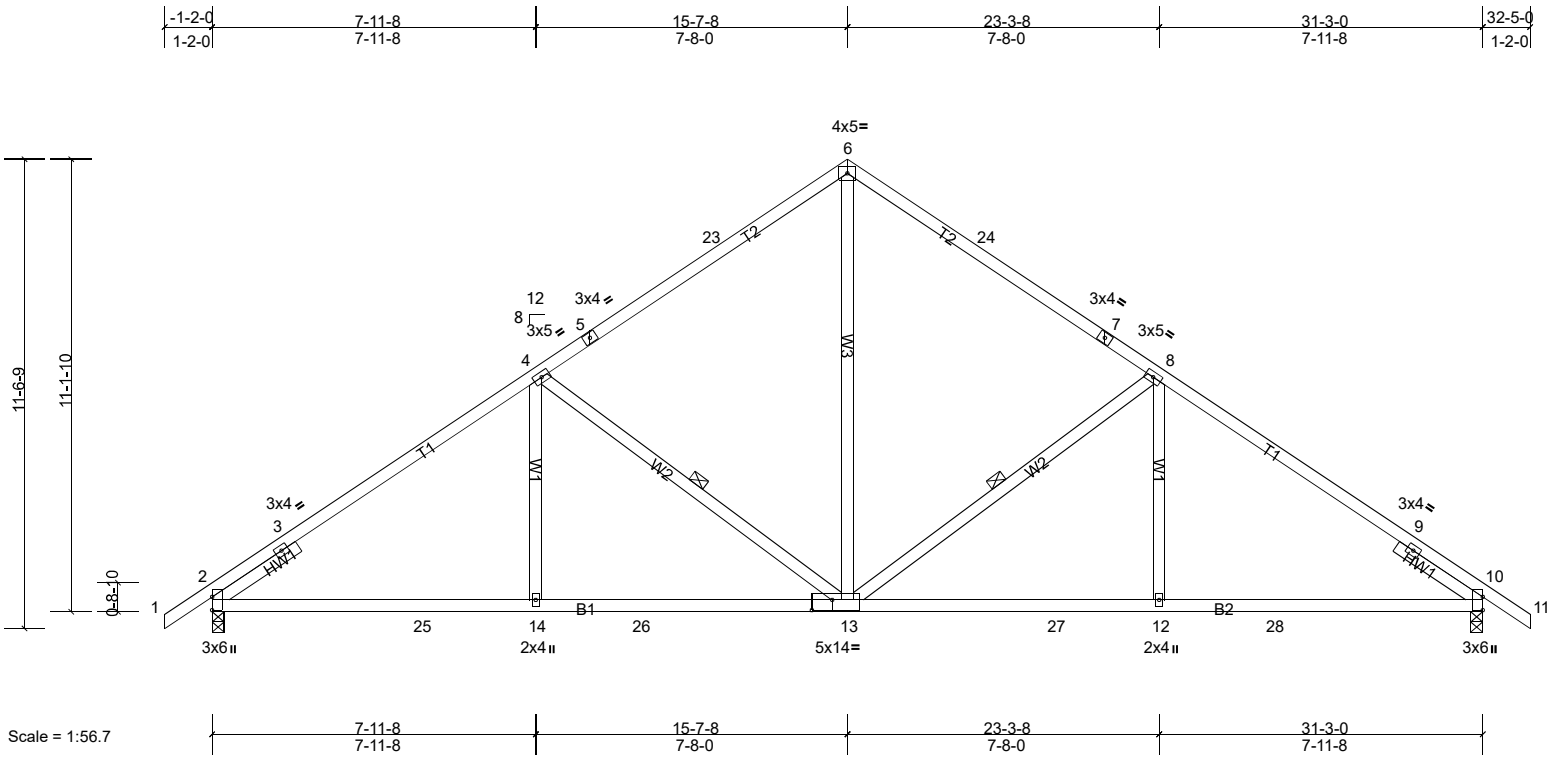
WEBS 8-11=-292/210, 4-15=-316/298

NOTES

1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) -1-2-0 to 1-11-8, Exterior (2) 1-11-8 to 11-9-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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) All plates are MT20 plates unless otherwise indicated.
4) All plates are 2x4 MT20 unless otherwise indicated.
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 live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12, 14 except (jt=lb) 16=193, 10=142, 11=107, 13=104, 15=289.
10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	HB 2000 V2-Roof
Q-2002150-1	T2	Common	1	1	Job Reference (optional)



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7-11-8
7-11-8
15-7-8
7-8-0
23-3-8
7-8-0
31-3-0
7-11-8

Plate Offsets (X, Y): [2:Edge,0-0-0], [10:Edge,0-0-0], [13:0-6-0,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.55	Vert(LL)	-0.08	13-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.43	Vert(CT)	-0.17	13-14	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.36	Horz(CT)	0.06	10	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 174 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.1
BOT CHORD	2x4 SP No.1
WEBS	2x4 SP No.3
SLIDER	Left 2x4 SP No.3 -- 2-6-0, Right 2x4 SP No.3 -- 2-6-0

REACTIONS (lb/size) 2=1320/0-3-8, (min. 0-2-2), 10=1320/0-3-8, (min. 0-2-2)
Max Horiz 2=-202 (LC 9)
Max Uplift 2=-195 (LC 11), 10=-195 (LC 11)
Max Grav 2=1349 (LC 16), 10=1349 (LC 17)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-6-15 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 8-13, 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=-682/0, 3-4=-1748/256, 4-5=-1250/238, 5-23=-1141/261, 6-23=-1124/284, 6-24=-1124/284, 7-24=-1141/261, 7-8=-1250/238, 8-9=-1747/256, 9-10=-648/0
BOT CHORD	2-25=-145/1552, 14-25=-65/1552, 14-26=-65/1552, 13-26=-65/1552, 13-27=-65/1418, 12-27=-65/1418, 12-28=-65/1418, 10-28=-65/1418
WEBS	6-13=-140/886, 8-13=-678/200, 8-12=0/335, 4-13=-677/200, 4-14=0/335

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=31ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) -1-2-0 to 1-11-8, Interior (1) 1-11-8 to 15-7-8, Exterior (2) 15-7-8 to 18-9-0, Interior (1) 18-9-0 to 32-5-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) * 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 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 195 lb uplift at joint 2 and 195 lb uplift at joint 10.
5) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	HB 2000 V2-Roof
Q-2002150-1	T2A	Roof Special	2	1	Job Reference (optional)

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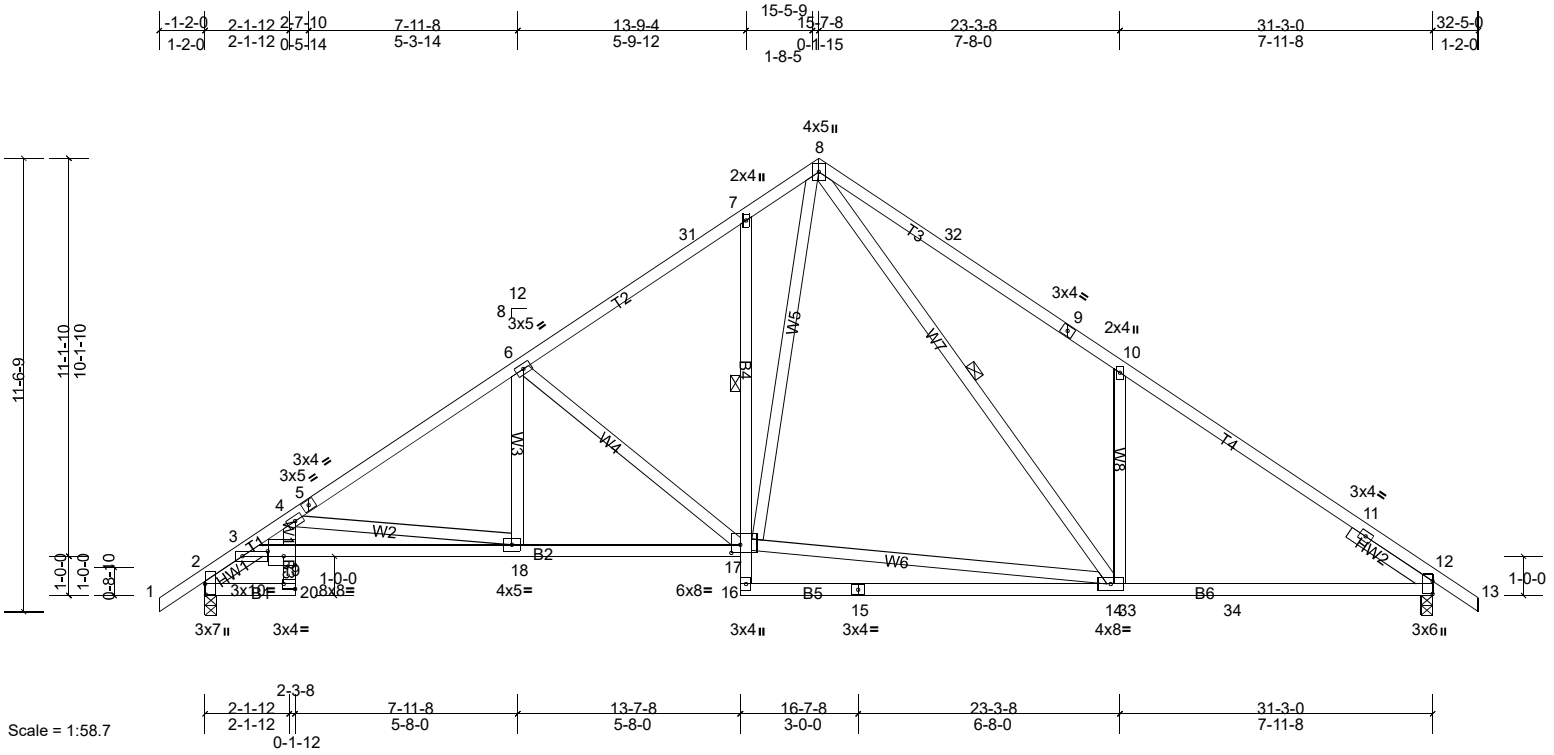


Scale = 1:58.7

Plate Offsets (X, Y): [2:0-3-4,0-0-4], [3:0-7-12,0-1-8], [12:Edge,0-0-0], [17:0-2-12,0-2-8], [19:Edge,0-2-12], [20:Edge,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.84	Vert(LL)	-0.12	18-19	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.91	Vert(CT)	-0.33	14-16	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.85	Horz(CT)	0.16	12	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 212 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.1
BOT CHORD	2x4 SP No.1 *Except* B3:2x4 SP No.2, B4:2x4 SP No.3
WEBS	2x4 SP No.3
SLIDER	Left 2x4 SP No.3 -- 1-7-7, Right 2x4 SP No.3 -- 2-6-0

REACTIONS (lb/size) 2=1320/0-3-8, (min. 0-2-1), 12=1320/0-3-8, (min. 0-2-1)
Max Horiz 2=202 (LC 10)
Max Uplift 2=-195 (LC 11), 12=-195 (LC 11)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
1 Row at midpt	7-17
WEBS	1 Row at midpt 8-14

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.

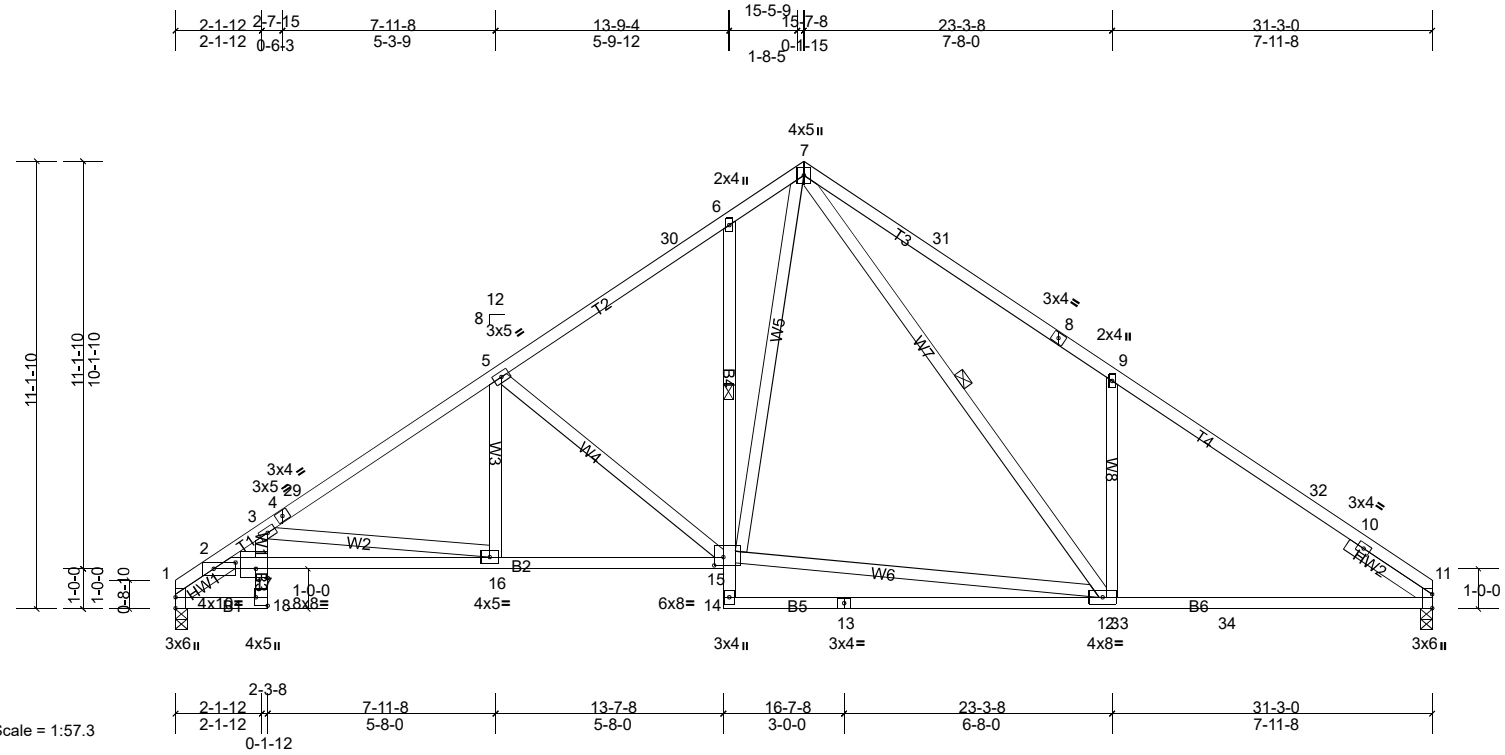
TOP CHORD	2-3=-1094/156, 3-4=-3358/383, 4-5=-2046/231, 5-6=-2027/269, 6-31=-1464/267, 7-31=-1313/284, 7-8=-1351/359, 8-32=-1609/461, 9-32=-1622/438, 9-10=-1760/415, 10-11=-1545/250, 11-12=-608/0
BOT CHORD	2-20=-25/554, 3-19=-231/2504, 18-19=-256/2924, 17-18=-61/1636, 14-33=-62/1365, 33-34=-62/1365, 12-34=-62/1365
WEBS	4-18=-1303/198, 6-18=0/358, 6-17=-660/162, 14-17=0/847, 8-17=-131/823, 8-14=-251/788, 10-14=-469/303, 4-19=0/673

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=31ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) -1-2-0 to 2-1-12, Interior (1) 2-1-12 to 15-7-8, Exterior (2) 15-7-8 to 18-9-0, Interior (1) 18-9-0 to 32-5-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) * 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 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 195 lb uplift at joint 2 and 195 lb uplift at joint 12.
5) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	HB 2000 V2-Roof
Q-2002150-1	T2B	Roof Special	1	1	Job Reference (optional)



Scale = 1:57.3

Plate Offsets (X, Y): [1:Edge,0-0-0], [2:0-6-8,0-1-14], [11:Edge,0-0-0], [15:0-2-12,0-2-8], [17:Edge,0-2-12], [18:Edge,0-3-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.86	Vert(LL)	-0.12	16-17	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.93	Vert(CT)	-0.33	12-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.87	Horz(CT)	0.16	11	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 208 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.1
BOT CHORD	2x4 SP No.1 *Except* B3:2x4 SP No.2, B4:2x4 SP No.3
WEBS	2x4 SP No.3
SLIDER	Left 2x4 SP No.3 -- 1-7-7, Right 2x4 SP No.3 -- 2-6-0

BRACING

TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
1 Row at midpt	6-15
WEBS	1 Row at midpt 7-12

REACTIONS (lb/size) 1=1250/0-3-8, (min. 0-1-15), 11=1250/0-3-8, (min. 0-1-15)
Max Horiz 1=-188 (LC 9)
Max Uplift 1=-154 (LC 11), 11=-154 (LC 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	1-2=-1117/155, 2-3=-3409/445, 3-4=-2057/246, 4-29=-2037/250, 5-29=-1977/285, 5-30=-1470/275, 6-30=-1319/292, 6-7=-1357/367, 7-31=-1620/467, 8-31=-1632/445, 8-9=-1771/421, 9-32=-1554/255, 10-32=-1733/223, 10-11=-662/0
BOT CHORD	1-18=-61/561, 2-17=-304/2512, 16-17=-354/2946, 15-16=-111/1645, 12-33=-103/1374, 33-34=-103/1374, 11-34=-103/1374
WEBS	3-16=-1327/246, 5-16=0/362, 5-15=-663/170, 12-15=0/852, 7-15=-139/824, 7-12=-251/795, 9-12=-473/306, 3-17=0/693

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=31ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 0-0-0 to 3-1-8, Interior (1) 3-1-8 to 15-7-8, Exterior (2) 15-7-8 to 18-9-0, Interior (1) 18-9-0 to 31-3-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) * 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 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 154 lb uplift at joint 1 and 154 lb uplift at joint 11.
5) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	HB 2000 V2-Roof
Q-2002150-1	T3	Common	3	1	Job Reference (optional)

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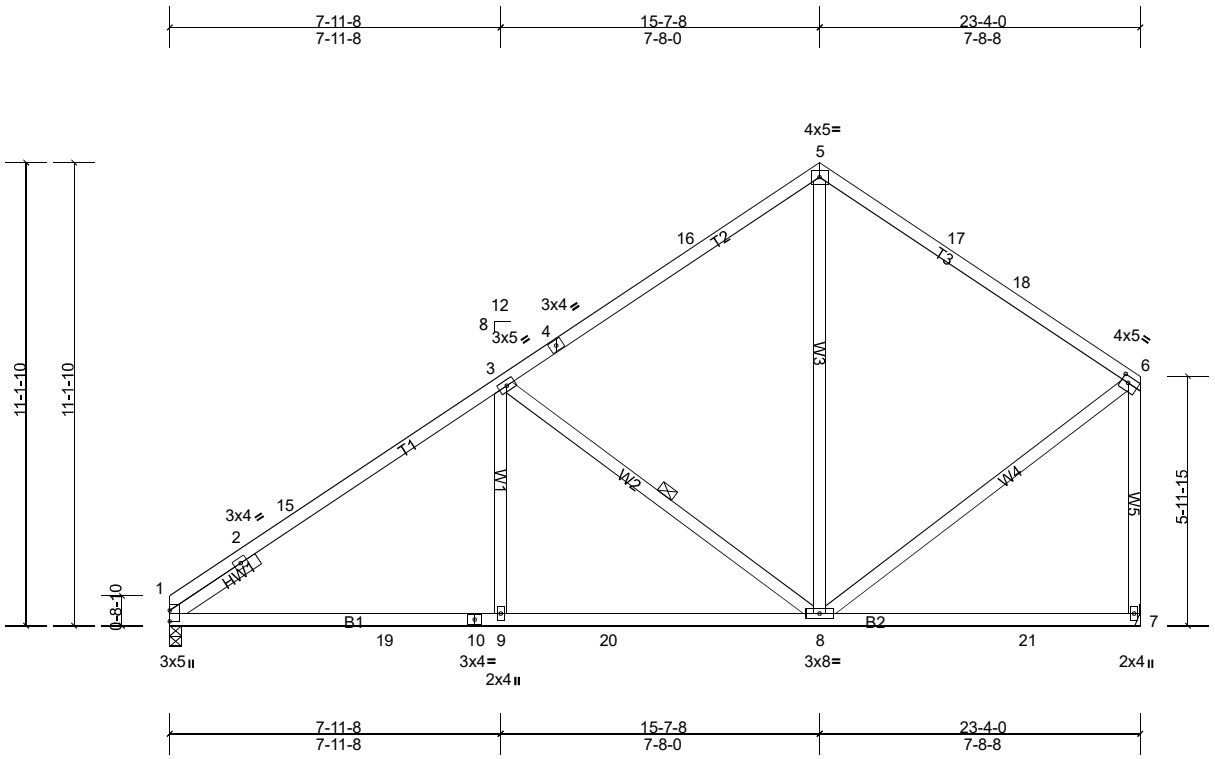

Scale = 1:55.4

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.98	Vert(LL)	0.07	9-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.41	Vert(CT)	-0.13	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.33	Horz(CT)	0.02	7	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 140 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.1
BOT CHORD	2x4 SP No.1
WEBS	2x4 SP No.3
SLIDER	Left 2x4 SP No.3 -- 2-6-0

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-10-14 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 3-8

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

REACTIONS (lb/size) 1=928/0-3-8, (min. 0-1-8), 7=928/ Mechanical, (min. 0-1-8)
Max Horiz 1=268 (LC 10)
Max Uplift 1=-105 (LC 11), 7=-124 (LC 11)
Max Grav 1=954 (LC 16), 7=967 (LC 16)

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

TOP CHORD	1-2=-545/0, 2-15=-1198/146, 3-15=-1081/179, 3-4=-695/155, 4-16=-581/178, 5-16=-561/201, 5-17=-542/193, 17-18=-571/167, 6-18=-678/162, 6-7=-860/163
BOT CHORD	1-19=-291/1086, 10-19=-172/1086, 9-10=-172/1086, 9-20=-172/1086, 8-20=-172/1086
WEBS	5-8=-31/277, 3-8=-712/206, 3-9=0/343, 6-8=-25/603

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=23ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 0-0-0 to 3-0-0, Interior (1) 3-0-0 to 15-7-8, Exterior (2) 15-7-8 to 18-7-8, Interior (1) 18-7-8 to 23-2-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) * 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 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 105 lb uplift at joint 1 and 124 lb uplift at joint 7.
6) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	HB 2000 V2-Roof
Q-2002150-1	T3A	Roof Special	2	1	Job Reference (optional)

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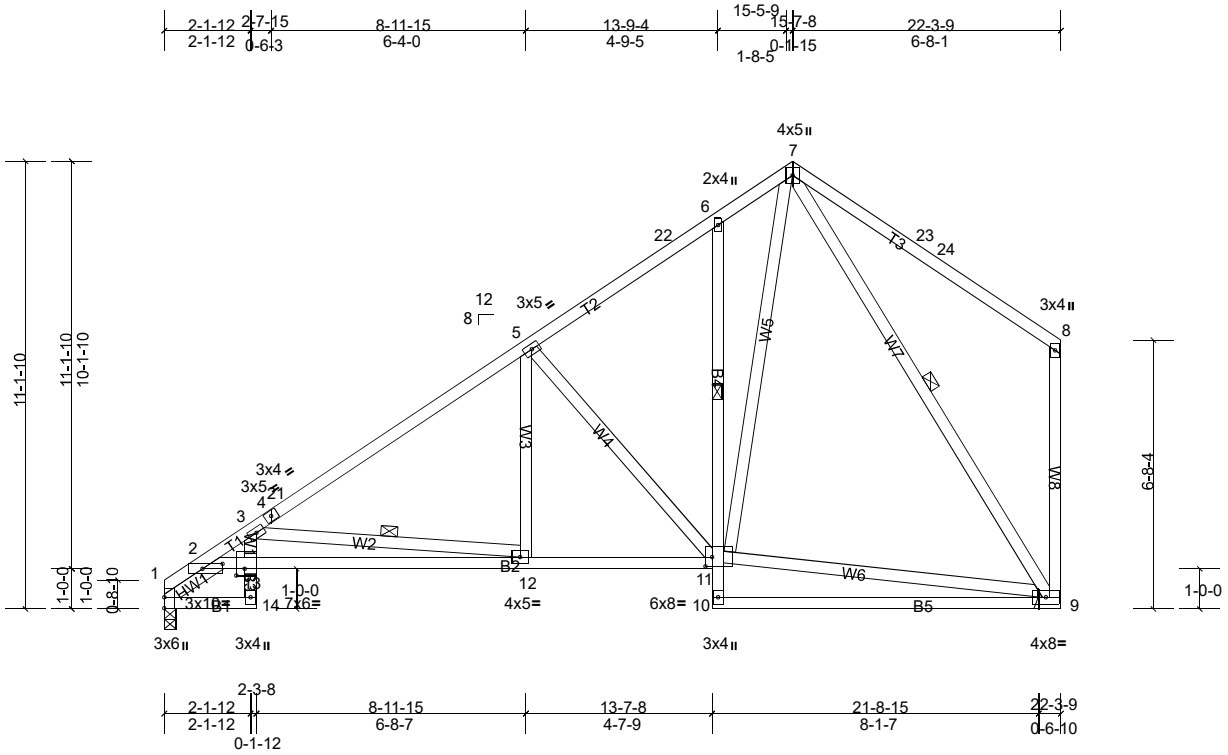

Scale = 1:57.3

Plate Offsets (X, Y): [1:Edge,0-0-0], [2:0-6-0,0-1-8], [11:0-2-0,0-2-12], [13:Edge,0-2-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.63	Vert(LL)	-0.09	12-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.70	Vert(CT)	-0.22	12-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.60	Horz(CT)	0.12	9	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 175 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.1
BOT CHORD	2x4 SP No.1 *Except* B3,B4:2x4 SP No.3
WEBS	2x4 SP No.3
SLIDER	Left 2x4 SP No.3 -- 1-7-7

REACTIONS (lb/size) 1=886/0-3-8, (min. 0-1-8), 9=886/ Mechanical, (min. 0-1-8)
Max Horiz 1=277 (LC 10)
Max Uplift 1=-97 (LC 11), 9=-122 (LC 11)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 3-9-11 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 8-9-11 oc bracing: 12-13.
1 Row at midpt	6-11
WEBS	1 Row at midpt 3-12, 7-9

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	1-2=-756/72, 2-3=-2458/419, 3-4=-1236/135, 4-21=-1219/139, 5-21=-1130/180, 5-22=-752/176, 6-22=-631/205, 6-7=-654/252, 8-9=-254/166
BOT CHORD	1-14=-208/476, 2-13=-398/1949, 12-13=-499/2251, 11-12=-197/958
WEBS	3-12=-1304/321, 5-12=0/323, 5-11=-610/175, 9-11=-143/323, 7-11=-122/733, 7-9=-745/102, 3-13=0/534

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=23ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 0-0-0 to 3-0-0, Interior (1) 3-0-0 to 15-7-8, Exterior (2) 15-7-8 to 18-7-8, Interior (1) 18-7-8 to 22-1-13 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) * 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 2-00-00 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 97 lb uplift at joint 1 and 122 lb uplift at joint 9.
6) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	HB 2000 V2-Roof
Q-2002150-1	T3GRD	Common Girder	1	1	Job Reference (optional)

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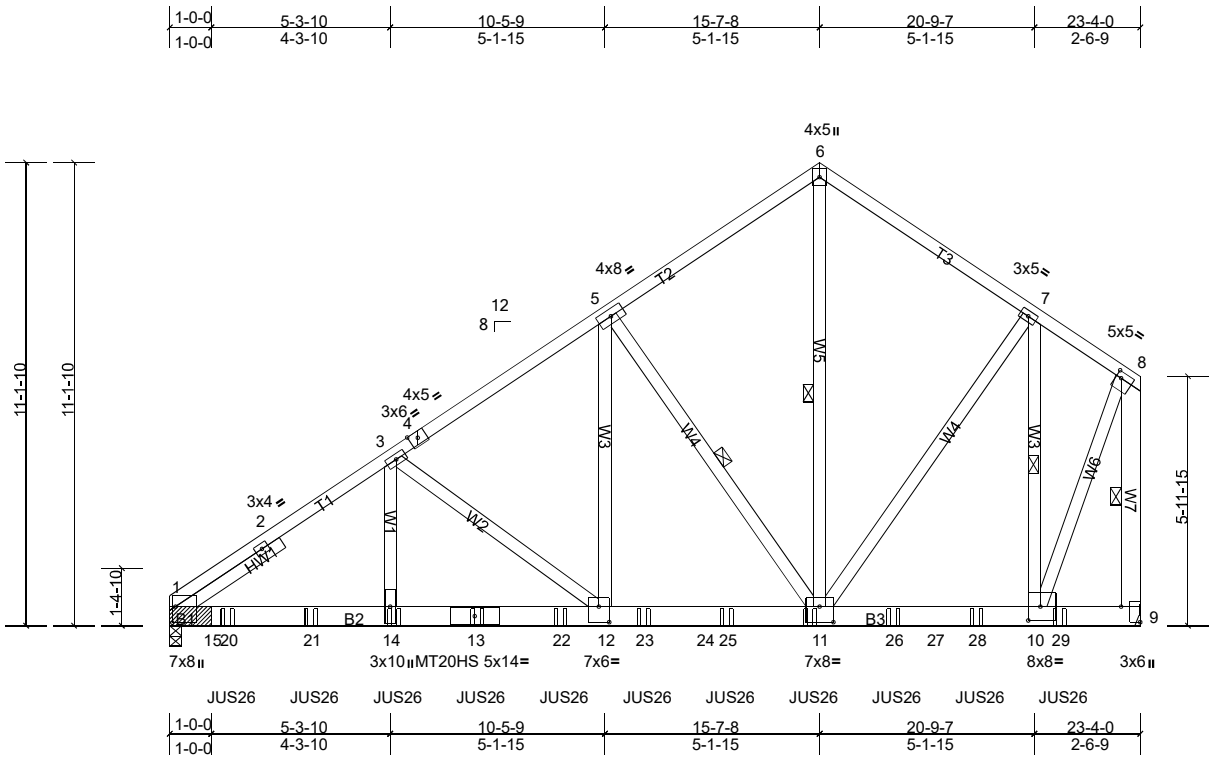

Scale = 1:55.4

Plate Offsets (X, Y): [1:0-4-10,0-0-14], [8:0-1-8,0-1-12], [9:Edge,0-5-8], [10:0-3-8,0-4-0], [11:0-4-0,0-4-8], [12:0-3-0,0-4-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.67	Vert(LL)	0.16	12-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.89	Vert(CT)	-0.24	12-14	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.97	Horz(CT)	0.05	9	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 201 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.1
BOT CHORD	2x6 SP No.1
WEBS	2x4 SP No.3 *Except* W7:2x6 SP No.2, W6:2x4 SP No.2
SLIDER	Left 2x4 SP No.3 -- 3-0-0

BRACING

TOP CHORD	Structural wood sheathing directly applied or 2-5-10 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-9-11 oc bracing.
WEBS	1 Row at midpt 6-11, 7-10, 5-11, 8-9

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

REACTIONS (lb/size) 1=3379/(0-3-8 + bearing block), (req. 0-5-14), 9=3285/ Mechanical, (min. 0-1-8)
Max Horiz 1=266 (LC 23)
Max Uplift 1=-1165 (LC 7), 9=-1144 (LC 7)
Max Grav 1=3734 (LC 28), 9=3647 (LC 28)

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

TOP CHORD	1-2=-3036/881, 2-3=-4925/1577, 3-4=-3701/1202, 4-5=-3661/1232, 5-6=-2324/857, 6-7=-2306/853, 7-8=-1447/525, 8-9=-3624/1163
BOT CHORD	1-15=-1286/4153, 15-20=-1286/4153, 20-21=-1286/4153, 14-21=-1286/4153, 13-14=-1286/4153, 13-22=-1286/4153, 12-22=-1286/4153, 12-23=-905/3139, 23-24=-905/3139, 24-25=-905/3139, 11-25=-905/3139, 11-26=-347/1178, 26-27=-347/1178, 27-28=-347/1178, 10-28=-347/1178
WEBS	6-11=-822/2225, 7-11=-356/1280, 7-10=-1668/514, 5-11=-2127/756, 5-12=-700/2199, 3-12=-1264/476, 3-14=-397/1271, 8-10=-926/3022

NOTES

1) 2x6 SP No.1 bearing block 12" long at jt. 1 attached to front face with 3 rows of 10d (0.131"x3") nails spaced 3" o.c. 12 Total fasteners. Bearing is assumed to be SPF No.2.
2) Unbalanced roof live loads have been considered for this design.
3) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=23ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
4) All plates are MT20 plates unless otherwise indicated.
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 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1165 lb uplift at joint 1 and 1144 lb uplift at joint 9.
8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) Use USP JUS26 (With 4-10d nails into Girder & 4-10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-4-12 from the left end to 21-4-12 to connect truss(es) T1 (1 ply 2x4 SP) to back face of bottom chord.
10) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (lb/ft)
   Vert: 1-6=-60, 6-8=-60, 9-16=-20
   Concentrated Loads (lb)
   Vert: 13=-439, 11=-439, 14=-439, 20=-439, 21=-439, 22=-439, 23=-439, 25=-439, 26=-439, 28=-439, 29=-439

Job	Truss	Truss Type	Qty	Ply	HB 2000 V2-Roof
Q-2002150-1	T3GRD	Common Girder	1	1	Job Reference (optional)

Job	Truss	Truss Type	Qty	Ply	HB 2000 V2-Roof
Q-2002150-1	T4	Piggyback Base	6	1	Job Reference (optional)

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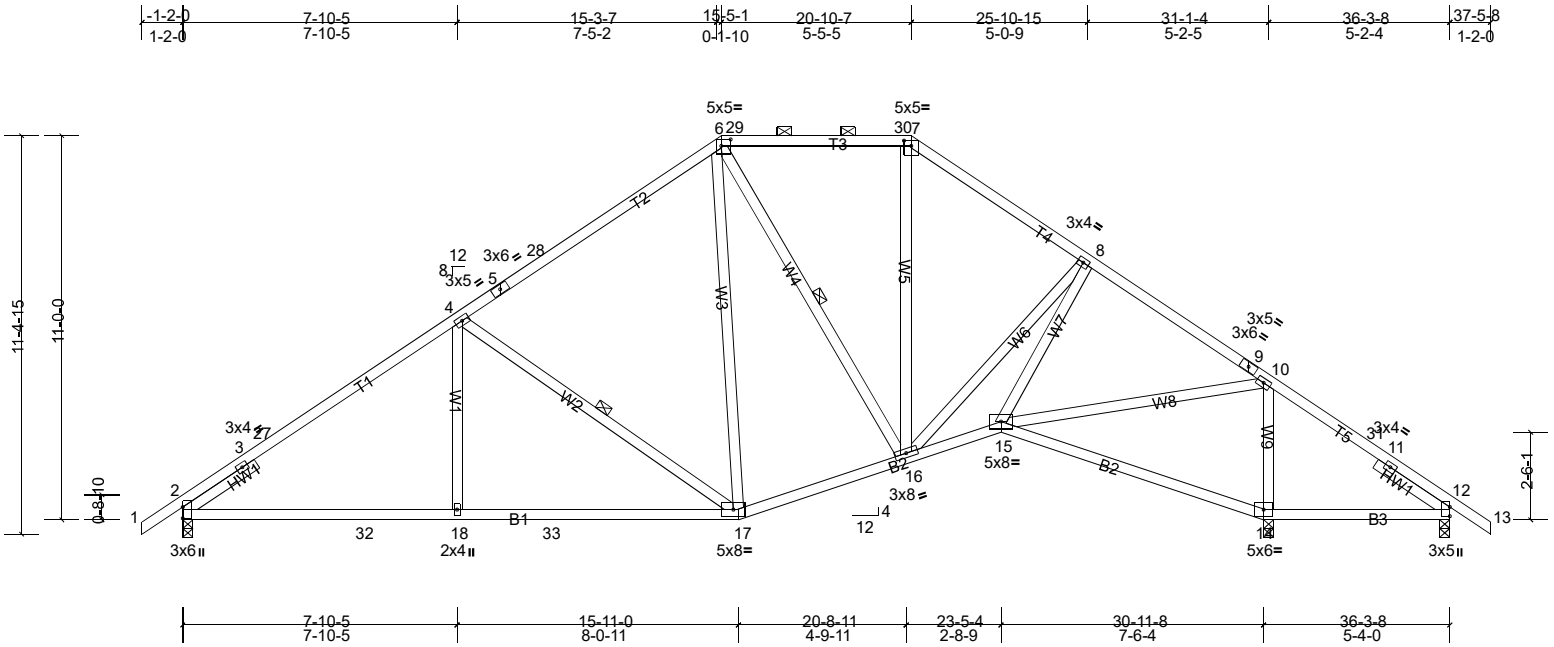

Scale = 1:66

Plate Offsets (X, Y): [2:Edge,0-0-0], [6:0-3-4,0-2-4], [7:0-2-8,0-1-13]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.52	Vert(LL)	-0.07	17-18	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.47	Vert(CT)	-0.21	17-18	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.57	Horz(CT)	0.07	14	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 232 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.1
BOT CHORD	2x4 SP No.1
WEBS	2x4 SP No.3
SLIDER	Left 2x4 SP No.3 -- 2-6-0, Right 2x4 SP No.3 -- 2-6-0

REACTIONS (lb/size) 2=1270/0-3-8, (min. 0-2-0), 12=62/0-3-8, (min. 0-1-8), 14=1711/0-3-8, (min. 0-2-11)
Max Horiz 2=205 (LC 10)
Max Uplift 2=-204 (LC 11), 12=-128 (LC 11), 14=-108 (LC 11)
Max Grav 2=1276 (LC 16), 12=108 (LC 21), 14=1711 (LC 1)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-8-4 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 6-7.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 4-17, 6-16

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=-603/0, 3-27=-1664/232, 4-27=-1518/268, 4-5=-1144/253, 5-28=-1063/265, 6-28=-1006/299, 6-29=-851/283, 29-30=-851/283, 7-30=-851/283, 7-8=-1110/293, 8-9=-1343/260, 9-10=-1363/229, 10-31=0/411, 11-31=0/319
BOT CHORD	2-32=-138/1461, 18-32=-77/1461, 18-33=-77/1461, 17-33=-77/1461, 16-17=0/954, 15-16=0/1204, 14-15=-341/20
WEBS	4-18=0/359, 4-17=-708/193, 6-17=-59/280, 7-16=-52/315, 8-16=-437/70, 10-15=0/1372, 10-14=-1453/177

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=36ft; eave=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) -1-2-0 to 2-5-9, Interior (1) 2-5-9 to 15-5-1, Exterior (2) 15-5-1 to 20-6-11, Interior (1) 20-6-11 to 20-10-7, Exterior (2) 20-10-7 to 25-11-13, Interior (1) 25-11-13 to 37-5-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
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 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 204 lb uplift at joint 2, 108 lb uplift at joint 14 and 128 lb uplift at joint 12.
6) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
7) 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	HB 2000 V2-Roof
Q-2002150-1	T4A	Piggyback Base	5	1	Job Reference (optional)

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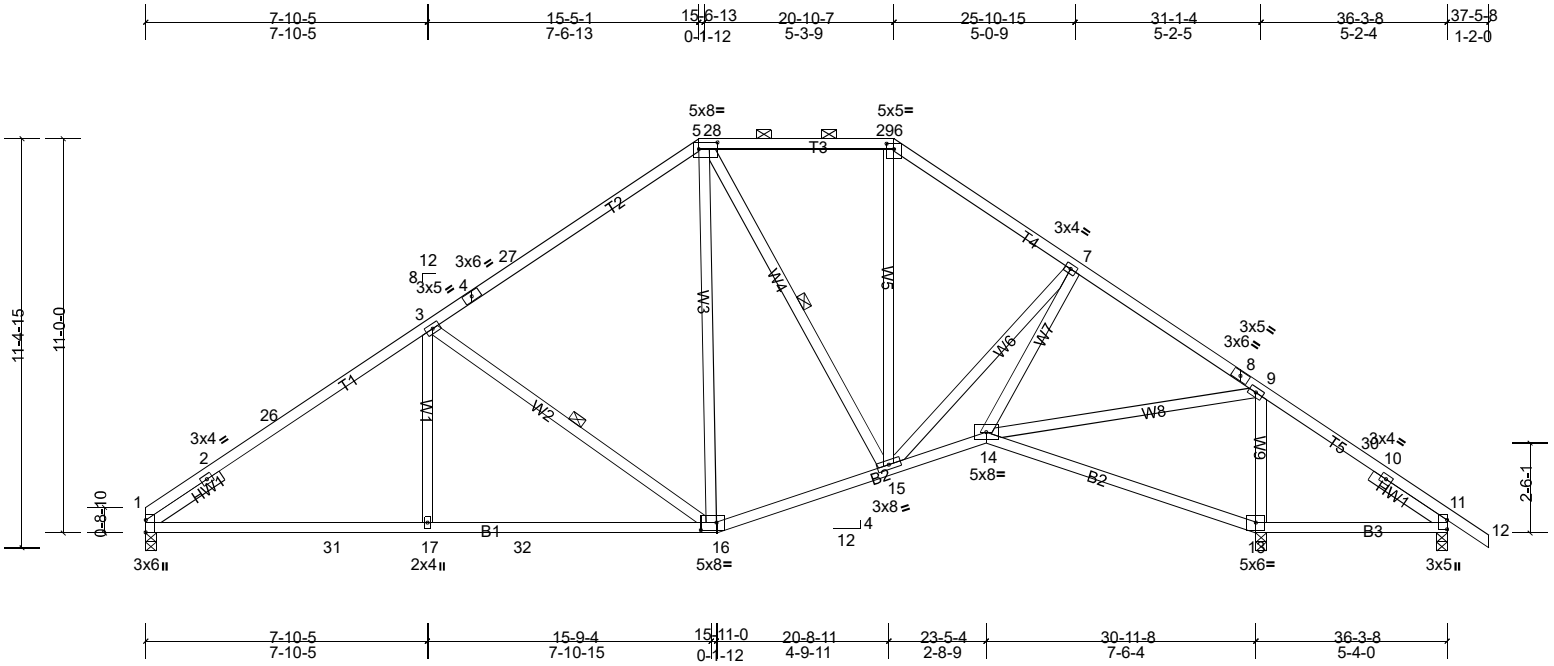


Scale = 1:64.3

Plate Offsets (X, Y): [1:Edge,0-0-0], [5:0-6-4,0-2-4], [6:0-2-8,0-1-13], [16:0-5-4,0-2-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.52	Vert(LL)	-0.07	16-17	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.48	Vert(CT)	-0.20	16-17	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.57	Horz(CT)	0.07	13	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 230 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.1
BOT CHORD	2x4 SP No.1
WEBS	2x4 SP No.3
SLIDER	Left 2x4 SP No.3 -- 2-6-0, Right 2x4 SP No.3 -- 2-6-0

REACTIONS (lb/size) 1=1200/0-3-8, (min. 0-1-14), 11=66/0-3-8, (min. 0-1-8), 13=1708/0-3-8, (min. 0-2-11)
Max Horiz 1=-201 (LC 9)
Max Uplift 1=-163 (LC 11), 11=-130 (LC 11), 13=-106 (LC 11)
Max Grav 1=1212 (LC 16), 11=109 (LC 21), 13=1708 (LC 1)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-7-15 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 5-6.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 3-16, 5-15

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.

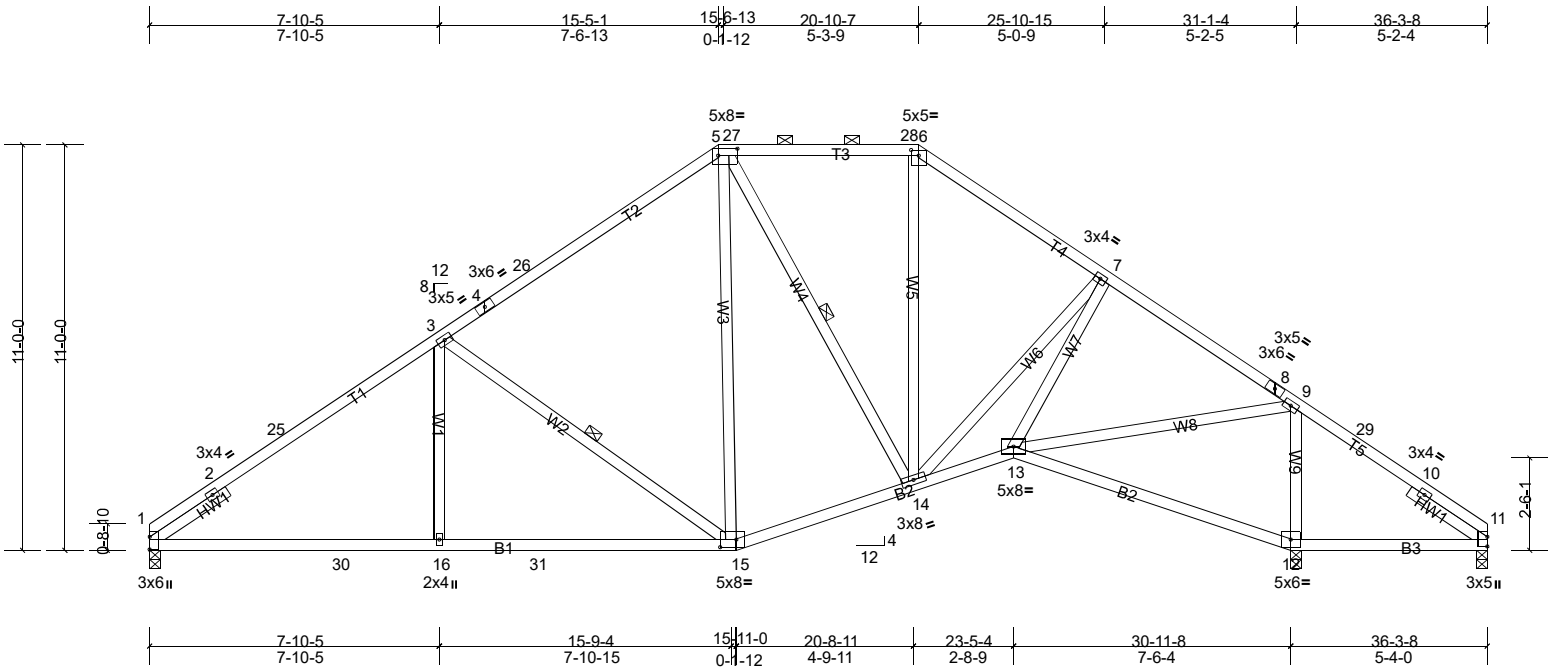
TOP CHORD	1-2=-646/0, 2-26=-1620/244, 3-26=-1523/272, 3-4=-1147/255, 4-27=-1066/267, 5-27=-1009/301, 5-28=-854/284, 28-29=-854/284, 6-29=-854/284, 6-7=-1113/295, 7-8=-1348/262, 8-9=-1367/232, 9-30=0/405, 10-30=0/313
BOT CHORD	1-31=-157/1467, 17-31=-82/1467, 17-32=-82/1467, 16-32=-82/1467, 15-16=0/956, 14-15=0/1210, 13-14=-336/17
WEBS	3-17=0/358, 3-16=-713/197, 5-16=-60/280, 6-15=-53/317, 7-15=-438/72, 9-14=0/1371, 9-13=-1451/176

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=36ft; eave=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 0-0-0 to 3-7-9, Interior (1) 3-7-9 to 15-5-1, Exterior (2) 15-5-1 to 20-6-11, Interior (1) 20-6-11 to 20-10-7, Exterior (2) 20-10-7 to 25-11-13, Interior (1) 25-11-13 to 37-5-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
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 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 163 lb uplift at joint 1, 106 lb uplift at joint 13 and 130 lb uplift at joint 11.
6) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
7) 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	HB 2000 V2-Roof
Q-2002150-1	T4B	Piggyback Base	1	1	Job Reference (optional)



Scale = 1:62.5

Plate Offsets (X, Y): [1:Edge,0-0-0], [5:0-6-4,0-2-4], [6:0-2-8,0-1-13], [15:0-5-4,0-2-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.52	Vert(LL)	-0.07	15-16	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.48	Vert(CT)	-0.21	15-16	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.56	Horz(CT)	0.07	12	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 228 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.1
BOT CHORD	2x4 SP No.1
WEBS	2x4 SP No.3
SLIDER	Left 2x4 SP No.3 -- 2-6-0, Right 2x4 SP No.3 -- 2-6-0

REACTIONS (lb/size) 1=1202/0-3-8, (min. 0-1-14), 11=2/0-3-8, (min. 0-1-8), 12=1699/0-3-8, (min. 0-2-11)
Max Horiz 1=-191 (LC 9)
Max Uplift 1=-161 (LC 11), 11=-97 (LC 22), 12=-122 (LC 11)
Max Grav 1=1215 (LC 16), 11=45 (LC 21), 12=1699 (LC 1)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-7-14 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 5-6.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 3-15, 5-14

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	1-2=-647/0, 2-25=-1628/241, 3-25=-1529/269, 3-4=-1151/252, 4-26=-1071/264, 5-26=-1014/298, 5-27=-860/287, 27-28=-860/287, 6-28=-860/287, 6-7=-1120/298, 7-8=-1358/271, 8-9=-1378/241, 9-29=0/384, 10-29=0/292
BOT CHORD	1-30=-187/1463, 16-30=-116/1463, 16-31=-116/1463, 15-31=-116/1463, 14-15=0/952, 13-14=-5/1226, 12-13=-324/0
WEBS	3-16=0/360, 3-15=-714/197, 5-15=-49/274, 6-14=-55/317, 7-14=-452/96, 9-13=-17/1357, 9-12=-1446/198

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=36ft; eave=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 0-0-0 to 3-7-9, Interior (1) 3-7-9 to 15-5-1, Exterior (2) 15-5-1 to 20-6-11, Interior (1) 20-6-11 to 20-10-7, Exterior (2) 20-10-7 to 25-11-13, Interior (1) 25-11-13 to 36-3-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
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 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 161 lb uplift at joint 1, 122 lb uplift at joint 12 and 97 lb uplift at joint 11.
6) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
7) 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	HB 2000 V2-Roof
Q-2002150-1	T4C	Piggyback Base	1	1	Job Reference (optional)

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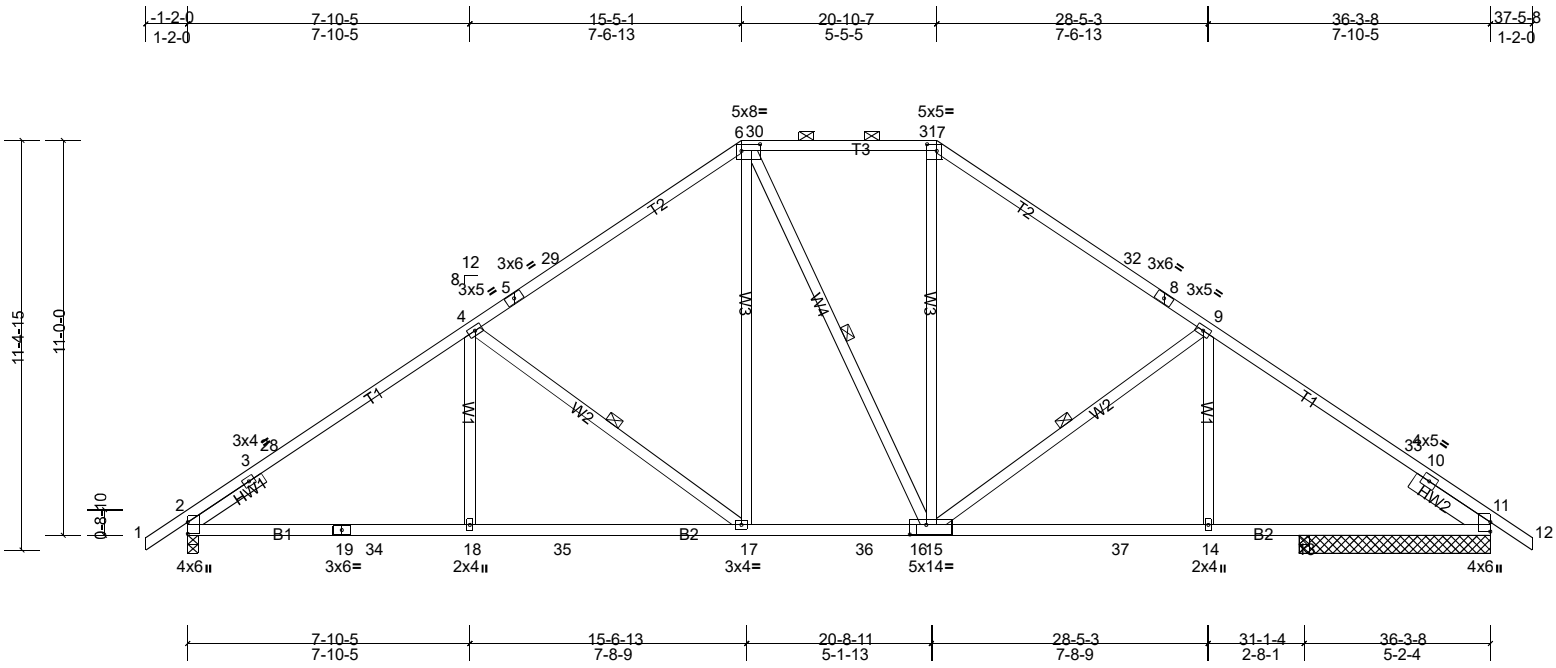

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Plate Offsets (X, Y): [6:0-6-4,0-2-4], [7:0-3-4,0-2-4], [11:Edge,0-0-1], [16:0-5-8,0-3-4]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.73	Vert(LL)	-0.12	14-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.55	Vert(CT)	-0.28	14-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.31	Horz(CT)	0.09	11	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 224 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.1
BOT CHORD	2x4 SP No.1
WEBS	2x4 SP No.3
SLIDER	Left 2x4 SP No.3 -- 2-6-0, Right 2x6 SP No.2 -- 2-6-0

REACTIONS (lb/size) 2=1501/0-3-8, (min. 0-2-7), 11=1397/5-4-0, (min. 0-2-4), 13=145/0-3-8, (min. 0-1-8)
Max Horiz 2=205 (LC 10)
Max Uplift 2=-217 (LC 11), 11=-205 (LC 11), 13=-17 (LC 11)
Max Grav 2=1567 (LC 16), 11=1431 (LC 17), 13=176 (LC 17)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins, except 2-0-0 oc purlins (5-6-13 max.): 6-7.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 4-17, 6-15, 9-15

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.

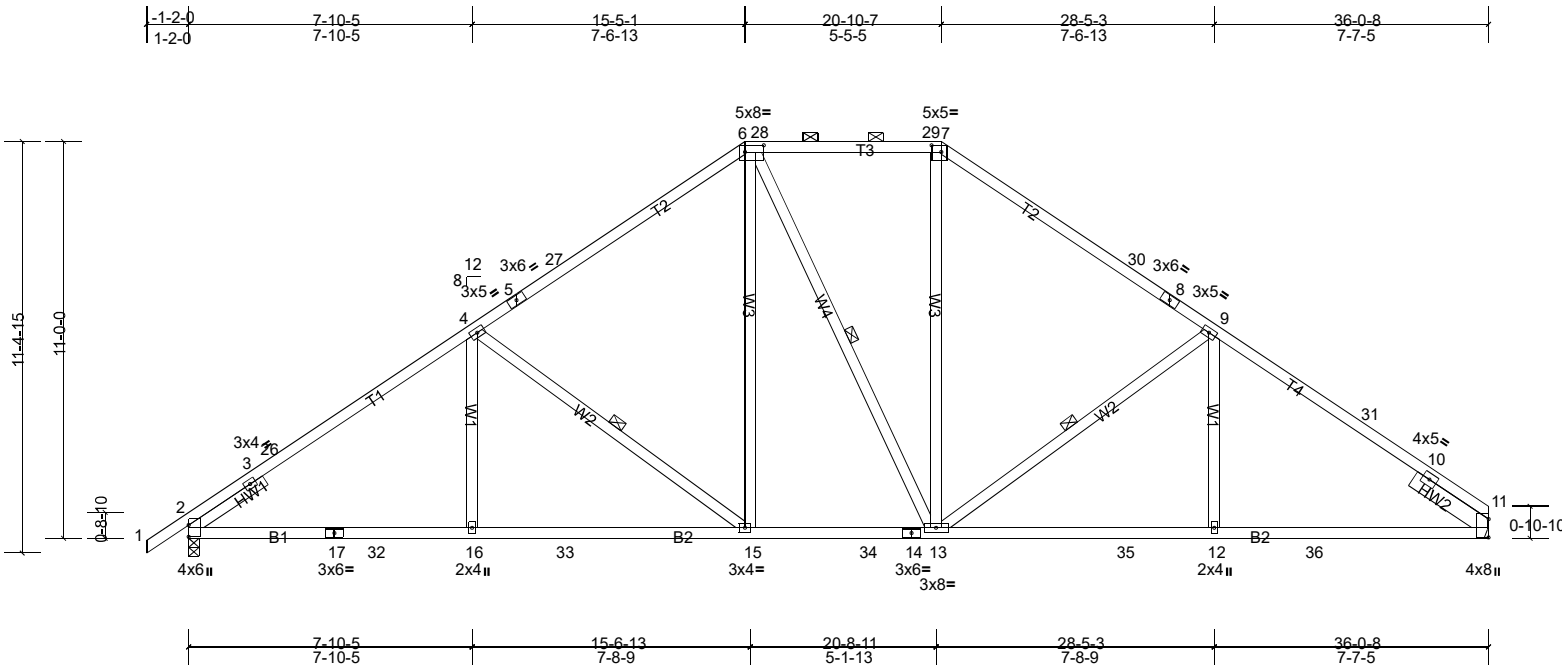
TOP CHORD	2-3=-809/0, 3-28=-2145/256, 4-28=-2052/292, 4-5=-1594/277, 5-29=-1526/289, 6-29=-1480/323, 6-30=-1231/324, 30-31=-1231/324, 7-31=-1231/324, 7-32=-1461/322, 8-32=-1502/287, 8-9=-1569/276, 9-33=-1963/281, 10-33=-2000/245, 10-11=-583/0
BOT CHORD	2-19=-146/1855, 19-34=-97/1855, 18-34=-97/1855, 18-35=-97/1855, 17-35=-97/1855, 17-36=0/1329, 16-36=0/1329, 15-16=0/1329, 15-37=-86/1582, 14-37=-86/1582, 13-14=-86/1582, 11-13=-86/1582
WEBS	4-18=0/325, 4-17=-661/196, 6-17=-39/585, 7-15=-35/521, 9-15=-528/184

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=36ft; eave=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) -1-2-0 to 2-5-9, Interior (1) 2-5-9 to 15-5-1, Exterior (2) 15-5-1 to 20-6-11, Interior (1) 20-6-11 to 20-10-7, Exterior (2) 20-10-7 to 26-0-0, Interior (1) 26-0-0 to 37-5-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
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 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 217 lb uplift at joint 2, 205 lb uplift at joint 11 and 17 lb uplift at joint 13.
6) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
7) 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	HB 2000 V2-Roof
Q-2002150-1	T4D	Piggyback Base	5	1	Job Reference (optional)



Scale = 1:63.9

Plate Offsets (X, Y): [6:0-6-4,0-2-4], [7:0-3-4,0-2-4], [11:Edge,0-0-1]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.84	Vert(LL)	-0.12	12-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.68	Vert(CT)	-0.27	12-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.30	Horz(CT)	0.11	11	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 221 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.1
BOT CHORD	2x4 SP No.1
WEBS	2x4 SP No.3
SLIDER	Left 2x4 SP No.3 -- 2-6-0, Right 2x6 SP No.2 -- 2-6-0

BRACING

TOP CHORD	Structural wood sheathing directly applied, except 2-0-0 oc purlins (5-6-3 max.): 6-7.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 4-15, 6-13, 9-13

REACTIONS (lb/size) 2=1513/0-3-8, (min. 0-2-8), 11=1441/ Mechanical, (min. 0-1-8)
Max Horiz 2=199 (LC 10)
Max Uplift 2=-219 (LC 11), 11=-177 (LC 11)
Max Grav 2=1579 (LC 16), 11=1511 (LC 17)

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=-821/0, 3-26=-2165/259, 4-26=-2079/295, 4-5=-1615/280, 5-27=-1547/292, 6-27=-1502/326, 6-28=-1261/327, 28-29=-1261/327, 7-29=-1261/327, 7-30=-1491/325, 8-30=-1531/291, 8-9=-1599/279, 9-31=-1990/294, 10-31=-2109/267, 10-11=-455/0

BOT CHORD 2-17=-182/1862, 17-32=-142/1862, 16-32=-142/1862, 16-33=-142/1862, 15-33=-142/1862, 15-34=0/1338, 14-34=0/1338, 13-14=0/1338, 13-35=-139/1665, 12-35=-139/1665, 12-36=-139/1665, 11-36=-139/1665

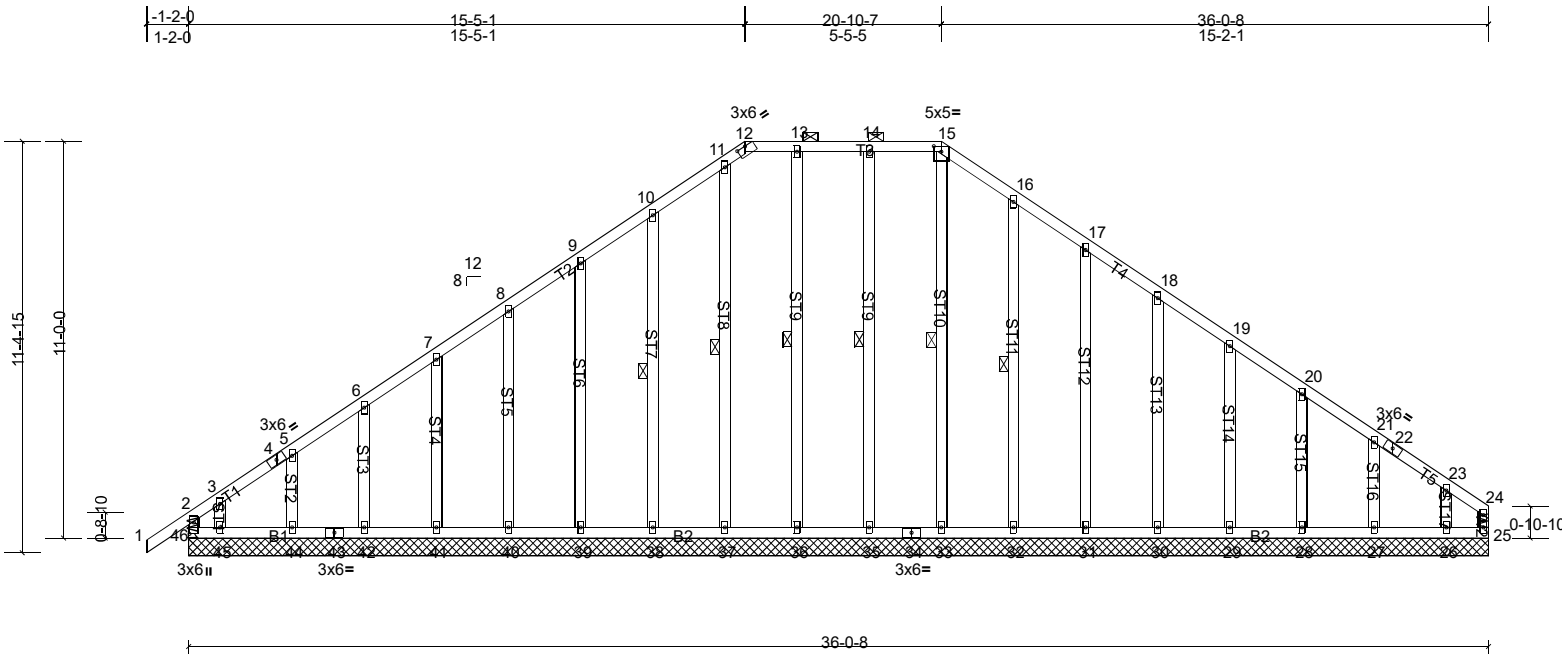
WEBS 4-16=0/323, 4-15=-659/196, 6-15=-39/588, 7-13=-37/532, 9-13=-601/192, 9-12=0/303

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=36ft; eave=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) -1-2-0 to 2-5-4, Interior (1) 2-5-4 to 15-5-1, Exterior (2) 15-5-1 to 20-6-4, Interior (1) 20-6-4 to 20-10-7, Exterior (2) 20-10-7 to 25-11-9, Interior (1) 25-11-9 to 36-0-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
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 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 219 lb uplift at joint 2 and 177 lb uplift at joint 11.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
8) 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	HB 2000 V2-Roof
Q-2002150-1	T4GE	Piggyback Base Supported Gable	1	1	Job Reference (optional)



Scale = 1:63.9

Plate Offsets (X, Y): [12:0-3-0,0-0-2], [15:0-2-8,0-1-13], [46:0-3-12,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.12	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.05	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.01	25	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MR							Weight: 285 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.1
BOT CHORD	2x4 SP No.1
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3

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.): 12-15.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 15-33, 14-35, 13-36, 11-37, 10-38, 16-32

REACTIONS All bearings 36-0-8.
(lb) - Max Horiz 46=215 (LC 10)
Max Uplift All uplift 100 (lb) or less at joint(s) 25, 27, 28, 29, 30, 31, 32, 35, 38, 39, 40, 41, 42, 44, 45 except 26=-127 (LC 11), 46=-119 (LC 9)
Max Grav All reactions 250 (lb) or less at joint(s) 25, 26, 27, 28, 29, 30, 31, 32, 33, 35, 36, 37, 38, 39, 40, 41, 42, 44, 45 except 46=261 (LC 17)

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 10-11=-217/264, 15-16=-222/271

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=36ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) -1-2-0 to 2-5-4, Exterior (2) 2-5-4 to 15-5-1, Corner (3) 15-5-1 to 18-10-7, Exterior (2) 18-10-7 to 20-10-7, Corner (3) 20-10-7 to 24-5-11, Exterior (2) 24-5-11 to 35-10-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
8) Gable studs spaced at 2-0-0 oc.
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 2-00-00 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 100 lb uplift at joint(s) 25, 35, 38, 39, 40, 41, 42, 44, 45, 32, 31, 30, 29, 28, 27 except (jt=lb) 46=119, 26=127.
11) This truss is designed in accordance with the 2015 International Building Code section 2306.1 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	HB 2000 V2-Roof
Q-2002150-1	T5	Attic	9	1	Job Reference (optional)

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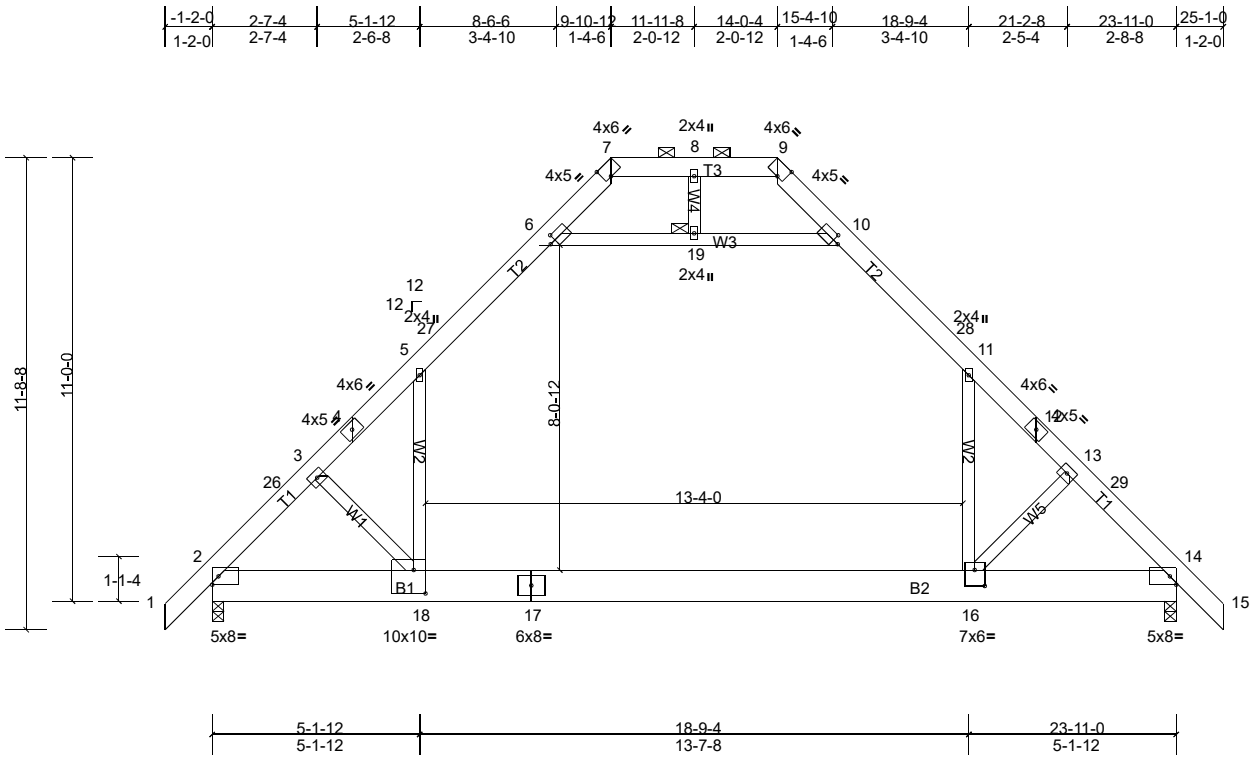


Plate Offsets (X, Y): [6:0-1-13,0-2-0], [7:0-2-2,Edge], [9:0-2-2,Edge], [10:0-1-13,0-2-0], [16:0-3-0,0-4-12], [18:0-3-8,0-7-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	1.00	Vert(LL)	-0.42	16-18	>683	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.85	Vert(CT)	-0.58	16-18	>494	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.52	Horz(CT)	0.02	2	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS		Attic	-0.24	16-18	>681	360	Weight: 218 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.1 *Except* T3:2x6 SP No.2
BOT CHORD	2x10 SP No.1
WEBS	2x4 SP No.3

REACTIONS (lb/size) 2=1095/0-3-8, (min. 0-2-3), 14=1095/0-3-8, (min. 0-2-3)
Max Horiz 2=-225 (LC 9)
Max Uplift 2=-118 (LC 11), 14=-118 (LC 11)
Max Grav 2=1400 (LC 16), 14=1400 (LC 17)

BRACING

TOP CHORD	Structural wood sheathing directly applied, except 2-0-0 oc purlins (10-0-0 max.): 7-9.
BOT CHORD	Rigid ceiling directly applied or 7-6-8 oc bracing.
JOINTS	1 Brace at Jt(s): 19

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.

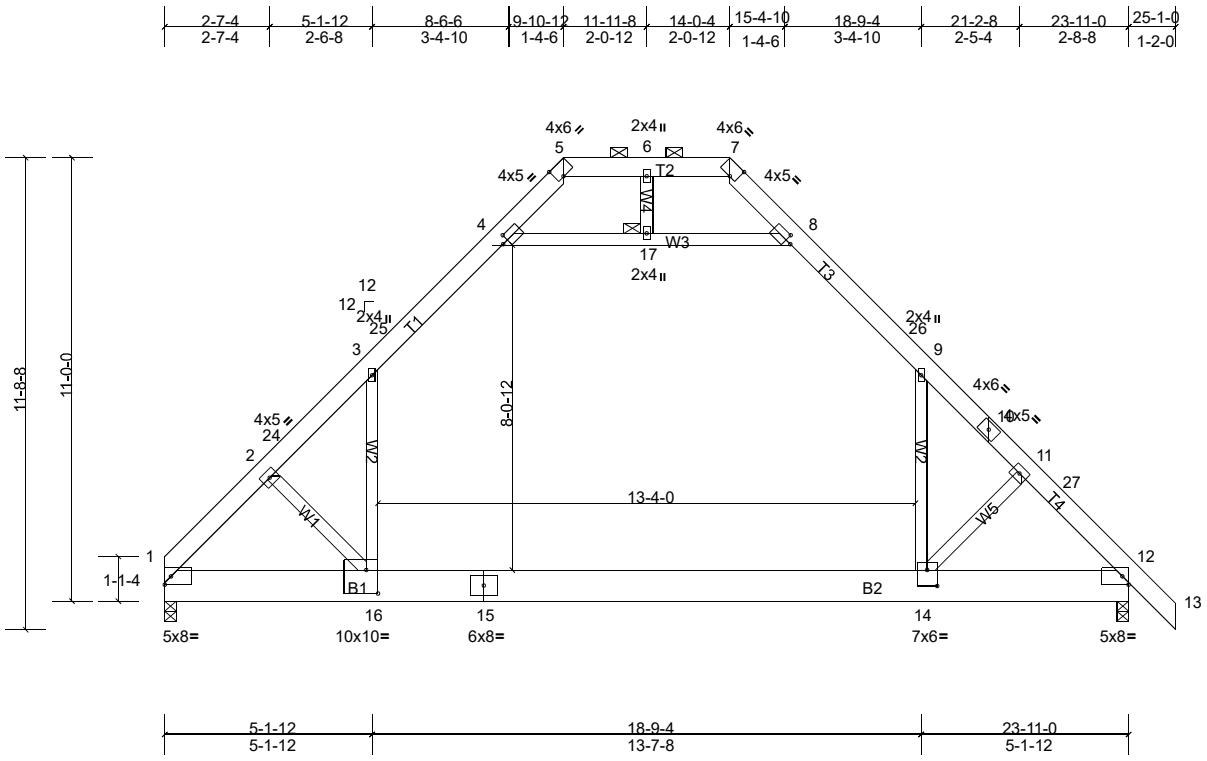
TOP CHORD	2-26=-1837/69, 3-26=-1783/74, 3-4=-1775/89, 4-5=-1691/100, 5-27=-987/144, 6-27=-943/178, 6-7=-145/279, 7-8=0/491, 8-9=0/491, 9-10=-145/279, 10-28=-943/178, 11-28=-987/144, 11-12=-1691/100, 12-13=-1774/89, 13-29=-1782/74, 14-29=-1836/69
BOT CHORD	2-18=-55/1340, 17-18=0/1037, 16-17=0/1037, 14-16=0/1273
WEBS	5-18=0/1093, 11-16=0/1093, 6-19=-1329/233, 10-19=-1329/233, 13-16=-454/143, 3-18=-452/143

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) -1-2-0 to 1-10-0, Interior (1) 1-10-0 to 9-10-12, Exterior (2) 9-10-12 to 18-3-3, Interior (1) 18-3-3 to 25-1-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
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 2-00-00 wide will fit between the bottom chord and any other members.
5) Ceiling dead load (5.0 psf) on member(s). 5-6, 10-11, 6-19, 10-19
6) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 16-18
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 118 lb uplift at joint 2 and 118 lb uplift at joint 14.
8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	HB 2000 V2-Roof
Q-2002150-1	T5A	Attic	1	1	Job Reference (optional)



Scale = 1:57.2

Plate Offsets (X, Y): [4:0-1-13,0-2-0], [5:0-2-2,Edge], [7:0-2-2,Edge], [8:0-1-13,0-2-0], [14:0-3-0,0-4-12], [16:0-3-8,0-7-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	1.00	Vert(LL)	-0.42	14-16	>683	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.85	Vert(CT)	-0.58	14-16	>493	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.52	Horz(CT)	0.02	1	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS		Attic	-0.24	14-16	>681	360	Weight: 213 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.1 *Except* T2:2x6 SP No.2
BOT CHORD 2x10 SP No.1
WEBS 2x4 SP No.3

REACTIONS (lb/size) 1=1023/0-3-8, (min. 0-2-1), 12=1097/0-3-8, (min. 0-2-3)
Max Horiz 1=-217 (LC 9)
Max Uplift 1=-75 (LC 11), 12=-119 (LC 11)
Max Grav 1=1334 (LC 16), 12=1401 (LC 17)

BRACING
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (10-0-0 max.): 5-7.
BOT CHORD Rigid ceiling directly applied or 7-6-8 oc bracing.
JOINTS 1 Brace at Jt(s): 17

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 1-2=-1841/80, 2-24=-1780/89, 3-24=-1696/107, 3-25=-988/144, 4-25=-944/179, 4-5=-143/280, 5-6=0/492, 6-7=0/492, 7-8=-143/280, 8-26=-945/179, 9-26=-989/145, 9-10=-1695/104, 10-11=-1778/92, 11-27=-1787/78, 12-27=-1840/72
BOT CHORD 1-16=-56/1351, 15-16=0/1039, 14-15=0/1039, 12-14=0/1276
WEBS 3-16=0/1096, 9-14=0/1094, 4-17=-1332/237, 8-17=-1332/237, 11-14=-454/144, 2-16=-464/152

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 0-0-0 to 3-0-0, Interior (1) 3-0-0 to 9-10-12, Exterior (2) 9-10-12 to 18-3-3, Interior (1) 18-3-3 to 25-1-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
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 2-00-00 wide will fit between the bottom chord and any other members.
5) Ceiling dead load (5.0 psf) on member(s). 3-4, 8-9, 4-17, 8-17
6) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 14-16
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 75 lb uplift at joint 1 and 119 lb uplift at joint 12.
8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	HB 2000 V2-Roof
Q-2002150-1	T5B	Attic	1	1	Job Reference (optional)

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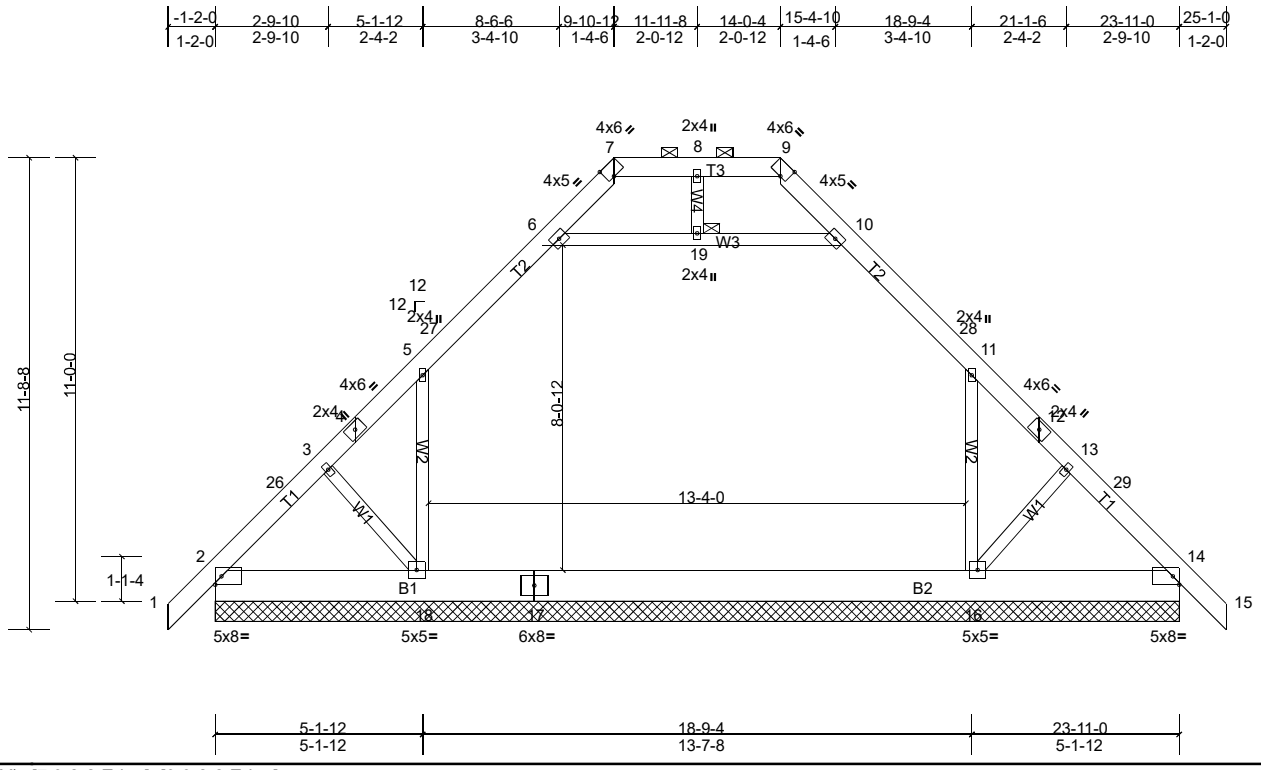

Scale = 1:57.2

5-1-12 18-9-4 23-11-0
5-1-12 13-7-8 5-1-12

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.14	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.25	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.17	Horz(CT)	0.01	14	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 218 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x10 SP No.1
WEBS	2x4 SP No.3

REACTIONS All bearings 23-11-0.

(lb) - Max Uplift All uplift 100 (lb) or less at joint(s) 16, 18

Max Grav All reactions 250 (lb) or less at joint(s) except 16=870 (LC 18), 18=873 (LC 17)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 7-9.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS	1 Brace at Jt(s): 19

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 2-26=-601/33, 3-26=-521/39, 3-4=-498/48, 4-5=-478/62, 5-27=-579/105, 6-27=-481/140, 6-7=-329/67, 9-10=-329/67, 10-28=-481/140, 11-28=-579/105, 11-12=-474/59, 12-13=-495/45, 13-29=-521/36, 14-29=-601/29

BOT CHORD 2-18=-131/389, 17-18=0/373, 16-17=0/373, 14-16=0/375

WEBS 5-18=-330/139, 11-16=-326/139

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) -1-2-0 to 1-10-0, Interior (1) 1-10-0 to 9-10-12, Exterior (2) 9-10-12 to 18-3-3, Interior (1) 18-3-3 to 25-1-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) Gable requires continuous bottom chord bearing.
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 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Ceiling dead load (5.0 psf) on member(s). 5-6, 10-11, 6-19, 10-19
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 18, 16, 14.
8) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2.
9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 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.
11) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	HB 2000 V2-Roof
Q-2002150-1	T5GRD	Attic Girder	1	**3**	Job Reference (optional)

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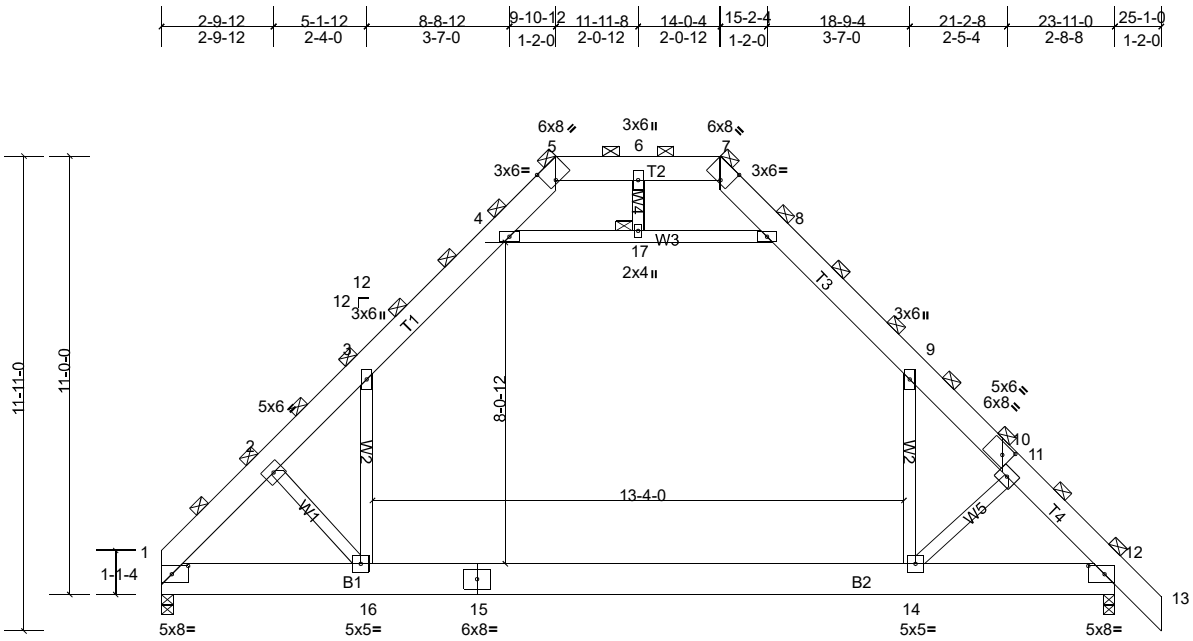

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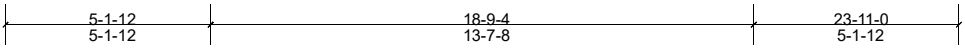

Plate Offsets (X, Y): [1:0-4-14,0-2-8], [5:0-2-14,Edge], [7:0-2-14,Edge], [10:0-2-9,0-3-0], [12:0-4-14,0-2-8]

Loading	(psf)	**Spacing**	4-6-0	**CSI**		**DEFL**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.80	Vert(LL)	-0.24	14-16	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.63	Vert(CT)	-0.34	14-16	>857	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.42	Horz(CT)	0.01	12	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS		Attic	-0.15	14-16	>999	360	Weight: 717 lb	FT = 20%

LUMBER

TOP CHORD	2x8 SP No.2
BOT CHORD	2x10 SP No.1
WEBS	2x4 SP No.3

BRACING

TOP CHORD	2-0-0 oc purlins (6-0-0 max.) (Switched from sheeted: Spacing > 2-0-0).
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS	1 Brace at Jt(s): 5, 7, 17

REACTIONS (lb/size) 1=2303/0-3-8, (min. 0-1-9), 12=2469/0-3-8, (min. 0-1-10)
Max Horiz 1=-490 (LC 5)
Max Uplift 1=-168 (LC 7), 12=-268 (LC 7)
Max Grav 1=3004 (LC 12), 12=3155 (LC 13)

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

TOP CHORD	1-2=-4241/182, 2-3=-4113/253, 3-4=-2289/404, 4-5=-286/692, 5-6=0/1248, 6-7=0/1248, 7-8=-287/689, 8-9=-2293/406, 9-10=-3903/228, 10-11=-4092/187, 11-12=-4241/180
BOT CHORD	1-16=-88/3052, 15-16=0/2413, 14-15=0/2413, 12-14=0/2838
WEBS	3-16=0/2653, 9-14=0/2564, 4-17=-3217/547, 8-17=-3217/547, 11-14=-939/314, 2-16=-1030/348

NOTES

1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
   Top chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc.
   Bottom chords connected as follows: 2x10 - 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) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
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 2-00-00 wide will fit between the bottom chord and any other members.
7) Ceiling dead load (5.0 psf) on member(s). 3-4, 8-9, 4-17, 8-17
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 14-16
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 168 lb uplift at joint 1 and 268 lb uplift at joint 12.
10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	HB 2000 V2-Roof
Q-2002150-1	T6GRD	Piggyback Base Girder	1	**2**	Job Reference (optional)

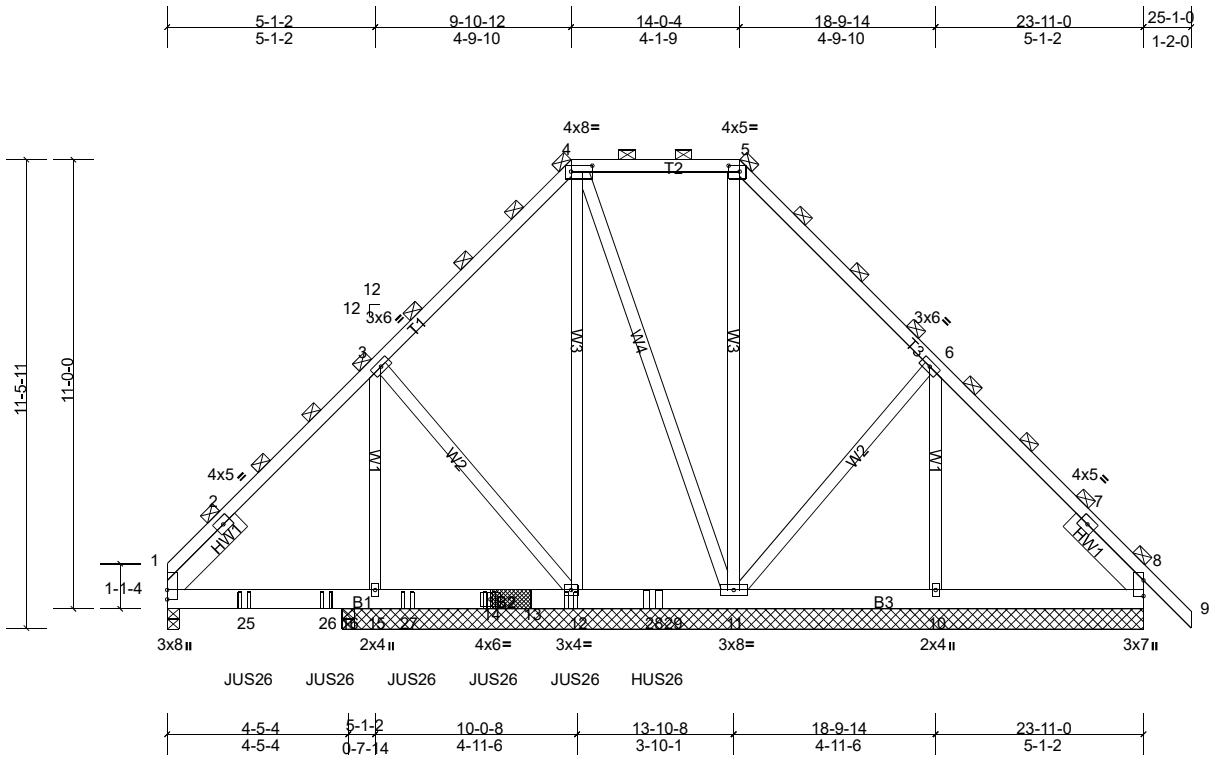

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Plate Offsets (X, Y): [4:0-6-4,0-1-12], [5:0-3-4,0-1-12]

Loading	(psf)	Spacing	4-6-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	0.03	11-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.90	Vert(CT)	-0.05	11-12	>980	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.18	Horz(CT)	0.01	1	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 415 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.1
BOT CHORD 2x6 SP No.2 *Except* B3:2x6 SP No.1
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 -- 2-6-0, Right 2x6 SP No.2 -- 2-6-0

BRACING
TOP CHORD 2-0-0 oc purlins (6-0-0 max.)
(Switched from sheeted: Spacing > 2-0-0).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS All bearings 19-7-8. except 1=0-3-8, 16=0-3-8
(lb) - Max Horiz 1=-487 (LC 5)
Max Uplift All uplift 100 (lb) or less at joint(s) 15 except 10=-145 (LC 24), 11=-645 (LC 7), 12=-1141 (LC 7), 16=-630 (LC 7), 1=-319 (LC 7), 8=-366 (LC 7)
Max Grav All reactions 250 (lb) or less at joint(s) except 10=612 (LC 12), 11=2451 (LC 29), 12=4246 (LC 16), 15=861 (LC 2), 16=1885 (LC 16), 1=1441 (LC 1), 8=1046 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-682/337, 2-3=-637/409, 3-4=-679/519, 4-5=-267/510, 5-6=-601/534, 6-7=-390/394, 7-8=-252/94
BOT CHORD 1-25=-335/784, 25-26=-254/784, 16-26=-254/784, 15-16=-254/784, 15-27=-254/784, 14-27=-254/784, 13-14=-254/784, 12-13=-254/784, 12-28=-174/457, 28-29=-174/457, 11-29=-174/457, 10-11=0/405, 8-10=0/405
WEBS 3-15=-313/151, 3-12=-553/495, 5-11=-384/84, 6-11=-403/458, 6-10=-340/27

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.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-3-0 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) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=24ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
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 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 15 except (jt=lb) 1=319, 12=1141, 11=644, 10=144, 8=365, 16=629, 8=365.
8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) Use USP JUS26 (With 4-10d nails into Girder & 4-10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-10-12 from the left end to 9-10-12 to connect truss (es) T3A (1 ply 2x4 SP), T3 (1 ply 2x4 SP) to back face of bottom chord.
10) Use USP HUS26 (With 14-16d nails into Girder & 6-16d nails into Truss) or equivalent at 11-10-12 from the left end to connect truss(es) T3GRD (1 ply 2x6 SP) to back face of bottom chord.

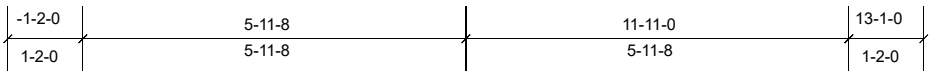
Continued on page 2

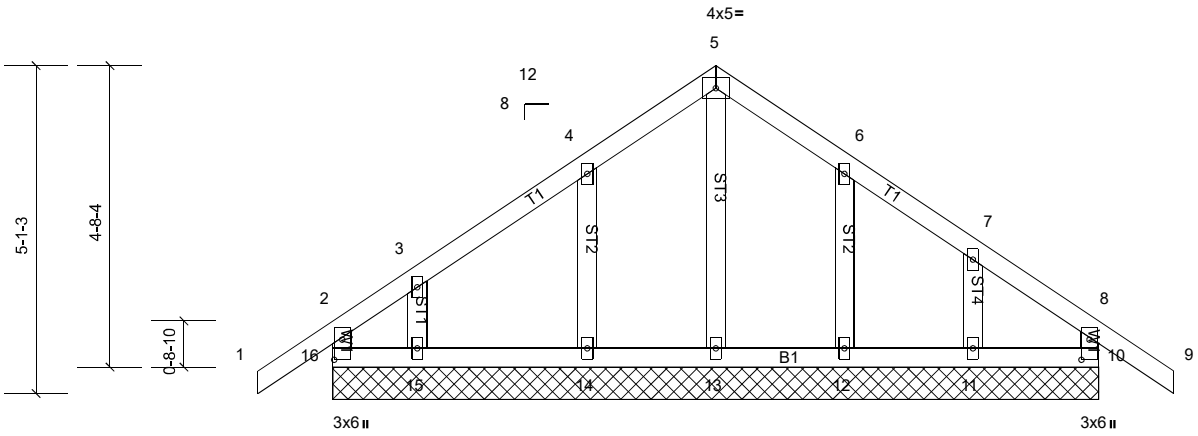
11) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (lb/ft)
   Vert: 1-4=-135, 4-5=-135, 5-9=-135, 17-21=-45
   Concentrated Loads (lb)
   Vert: 14=-883, 12=-883, 25=-841, 26=-841, 27=-883, 28=-3240

Job	Truss	Truss Type	Qty	Ply	HB 2000 V2-Roof
Q-2002150-1	T7GE	Common Supported Gable	1	1	Job Reference (optional)





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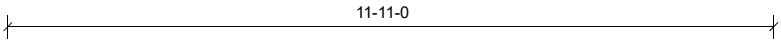

Plate Offsets (X, Y): [10:0-3-12,0-1-8], [16:0-3-12,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.02	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MR							Weight: 63 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.1
BOT CHORD	2x4 SP No.1
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3

BRACING

TOP CHORD	Structural wood sheathing directly applied or 10-0-0 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 11-11-0.
(lb) - Max Horiz 16=99 (LC 10)
Max Uplift All uplift 100 (lb) or less at joint(s) 10, 11, 12, 14, 15, 16
Max Grav All reactions 250 (lb) or less at joint(s) 10, 11, 12, 13, 14, 15, 16

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

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) -1-2-0 to 1-10-0, Exterior (2) 1-10-0 to 5-11-8, Corner (3) 5-11-8 to 8-11-8, Exterior (2) 8-11-8 to 13-1-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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.
4) All plates are 2x4 MT20 unless otherwise indicated.
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 live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 16, 10, 15, 14, 12, 11.
10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	HB 2000 V2-Roof
Q-2002150-1	T7GRD	Common Girder	1	**2**	Job Reference (optional)

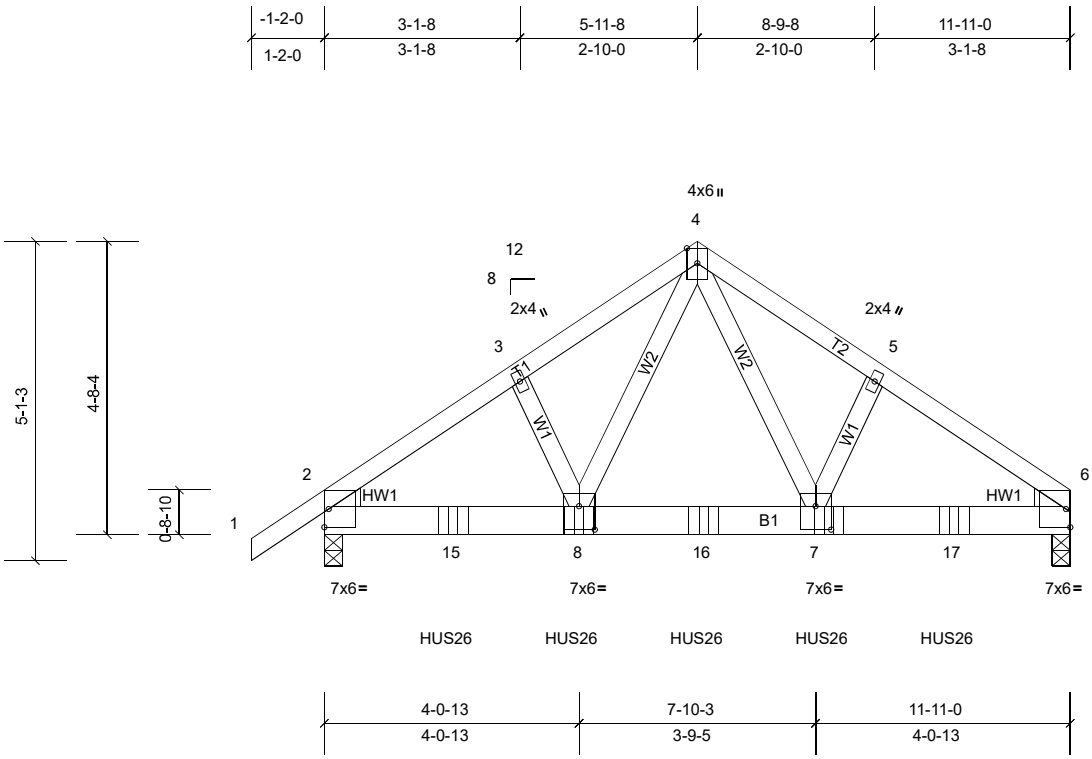

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Plate Offsets (X, Y): [7:0-3-0,0-4-8], [8:0-3-0,0-4-8]

Loading	(psf)	**Spacing**	2-0-0	**CSI**		**DEFL**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.35	Vert(LL)	-0.05	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.89	Vert(CT)	-0.10	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.62	Horz(CT)	0.02	6	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 145 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.1
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3
WEDGE	Left: 2x4 SP No.3
	Right: 2x4 SP No.3

BRACING

TOP CHORD	Structural wood sheathing directly applied or 5-6-6 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=4064/0-3-8, (min. 0-3-3), 6=4062/0-3-8, (min. 0-3-3)
Max Horiz 2=82 (LC 6)
Max Uplift 2=-569 (LC 7), 6=-534 (LC 7)
Max Grav 2=4064 (LC 1), 6=4064 (LC 2)

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

TOP CHORD	2-3=-5291/713, 3-4=-5200/745, 4-5=-5208/752, 5-6=-5297/719
BOT CHORD	2-15=-541/4307, 8-15=-541/4307, 8-16=-351/3123, 7-16=-351/3123, 7-17=-548/4317, 6-17=-548/4317
WEBS	4-7=-415/3009, 4-8=-403/2996

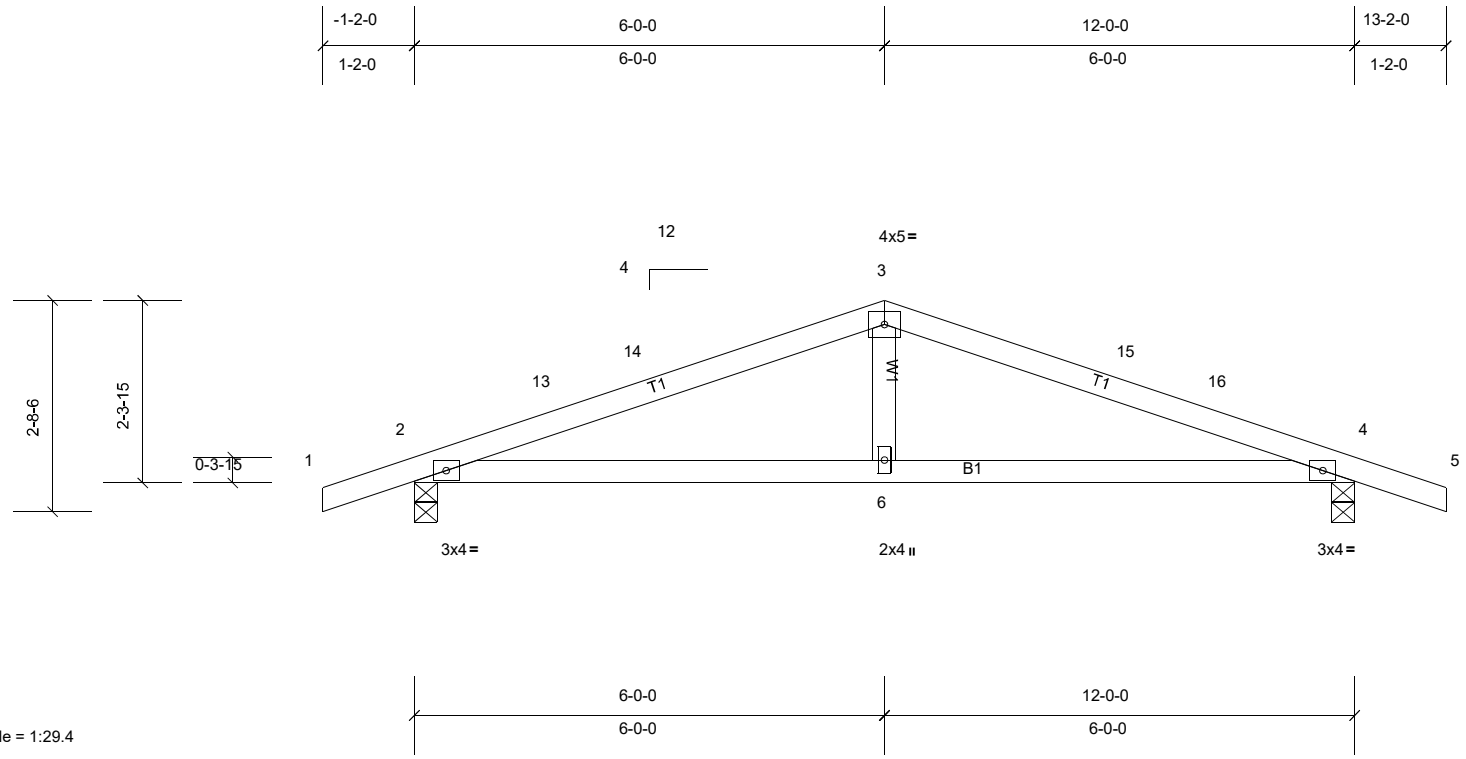
NOTES

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.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-7-0 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) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
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 2-00-00 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 534 lb uplift at joint 6 and 569 lb uplift at joint 2.
7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
8) Use USP HUS26 (With 14-16d nails into Girder & 6-16d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 2-0-12 from the left end to 10-0-12 to connect truss (es) R1004 (1 ply 2x4 SP) to back face of bottom chord.
9) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-4=-60, 4-6=-60, 9-12=-20
Concentrated Loads (lb)
Vert: 7=-1421, 8=-1421, 15=-1421, 16=-1421, 17=-1421

Job	Truss	Truss Type	Qty	Ply	HB 2000 V2-Roof
Q-2002150-1	T8	Common	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 (roof)	20.0	Plate Grip DOL	1.15	TC	0.31	Vert(LL)	-0.04	6-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.34	Vert(CT)	-0.08	6-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.01	4	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 43 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3

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=550/0-3-8, (min. 0-1-8), 4=550/0-3-8, (min. 0-1-8)
Max Horiz 2=-22 (LC 9)
Max Uplift 2=-100 (LC 11), 4=-100 (LC 11)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-13=-881/88, 13-14=-849/94, 3-14=-846/105, 3-15=-846/105, 15-16=-849/94, 4-16=-881/88
BOT CHORD 2-6=-33/803, 4-6=-33/803

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) -1-2-0 to 1-10-0, Interior (1) 1-10-0 to 6-0-0, Exterior (2) 6-0-0 to 9-0-0, Interior (1) 9-0-0 to 13-2-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) * 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 2-00-00 wide will fit between the bottom chord and any other members.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint 2 and 100 lb uplift at joint 4.
5) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	HB 2000 V2-Roof
Q-2002150-1	T8A	Common	1	1	Job Reference (optional)

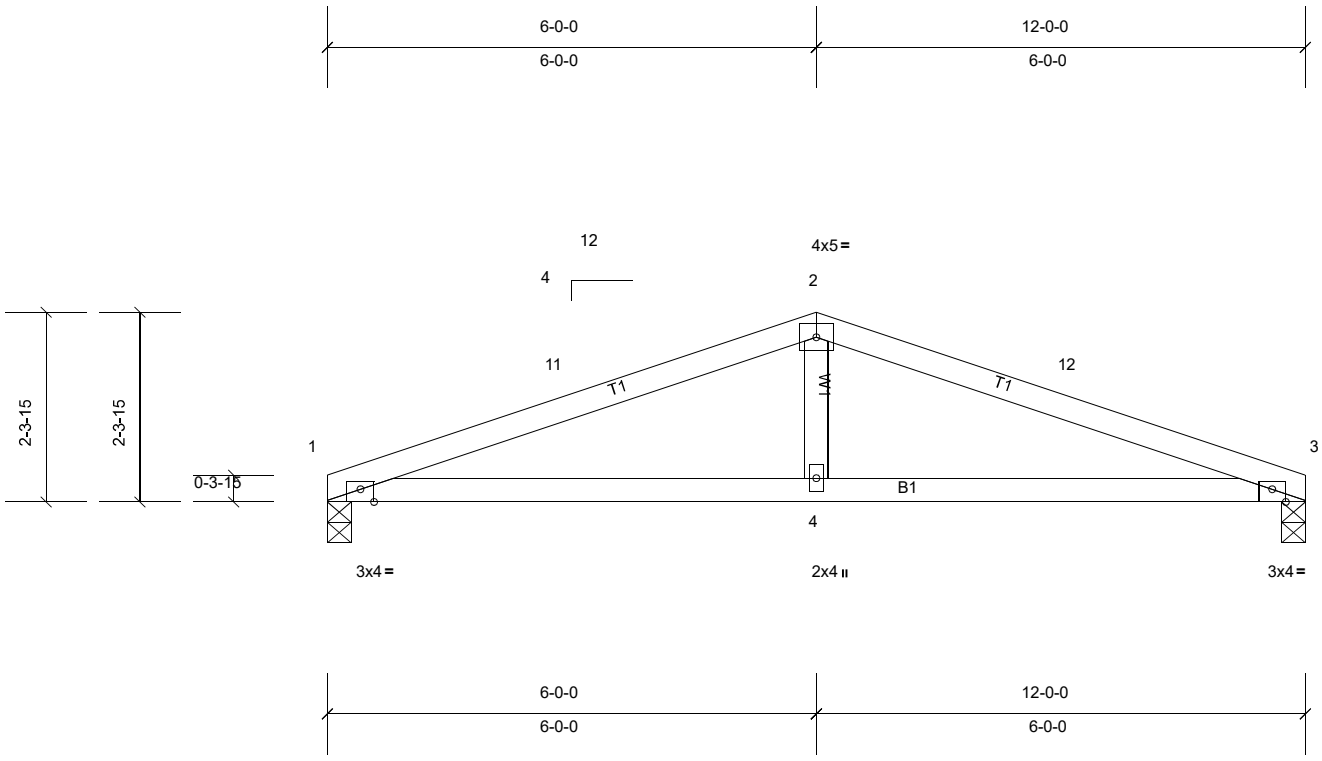

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Plate Offsets (X, Y): [1:0-2-0,Edge], [3:0-2-0,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.33	Vert(LL)	-0.05	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.38	Vert(CT)	-0.09	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.01	3	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 40 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-11-12 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=480/0-3-8, (min. 0-1-8), 3=480/0-3-8, (min. 0-1-8)
Max Horiz 1=19 (LC 10)
Max Uplift 1=-59 (LC 11), 3=-59 (LC 11)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-11=-909/113, 2-11=-875/125, 2-12=-875/125, 3-12=-909/113
BOT CHORD 1-4=-70/830, 3-4=-70/830

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 0-0-0 to 3-0-0, Interior (1) 3-0-0 to 6-0-0, Exterior (2) 6-0-0 to 9-0-0, Interior (1) 9-0-0 to 12-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) * 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 2-00-00 wide will fit between the bottom chord and any other members.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 59 lb uplift at joint 1 and 59 lb uplift at joint 3.
5) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	HB 2000 V2-Roof
Q-2002150-1	T8GE	Common Supported Gable	1	1	Job Reference (optional)

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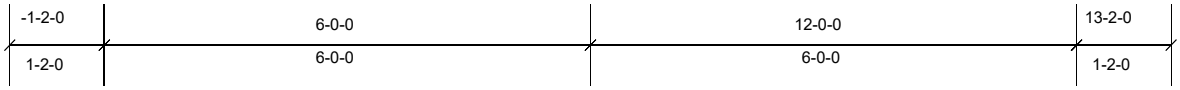

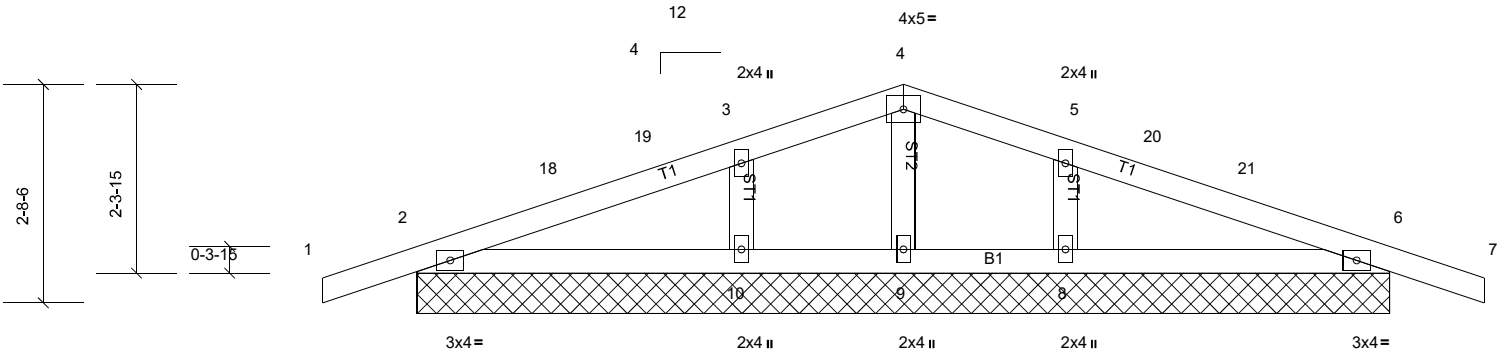

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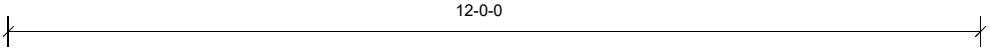


Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.08	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	n/a	-	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 46 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.1
BOT CHORD	2x4 SP No.1
OTHERS	2x4 SP No.3

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 2=-22 (LC 9)
Max Uplift All uplift 100 (lb) or less at joint(s) 8, 10, 2, 6
Max Grav All reactions 250 (lb) or less at joint(s) 9, 2, 6 except 8=316 (LC 1), 10=316 (LC 1)

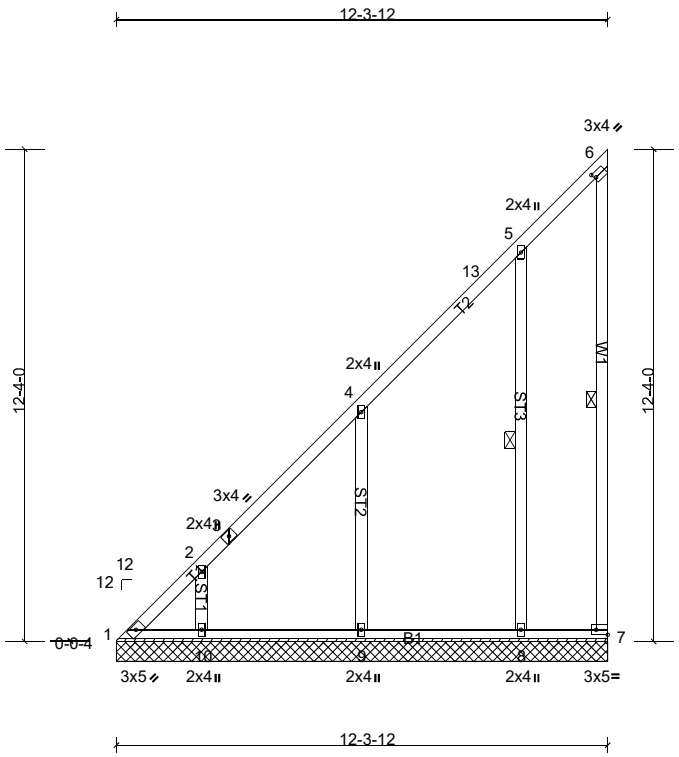
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) -1-2-0 to 1-10-0, Exterior (2) 1-10-0 to 6-0-0, Corner (3) 6-0-0 to 9-0-0, Exterior (2) 9-0-0 to 13-2-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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.
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 2-0-0 oc.
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 2-00-00 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) 2, 6, 10, 8, 2, 6.
8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	HB 2000 V2-Roof
Q-2002150-1	V1	Valley	1	1	Job Reference (optional)



Scale = 1:57.7

Plate Offsets (X, Y): [6:0-0-9,0-1-8], [7:Edge,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.85	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.28	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.21	Horiz(TL)	0.00	7	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 86 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.1
BOT CHORD	2x4 SP No.1
WEBS	2x4 SP No.2
OTHERS	2x4 SP No.3

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 6-7, 5-8

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

REACTIONS All bearings 12-3-12.

(lb) - Max Horiz 1=374 (LC 8)

Max Uplift All uplift 100 (lb) or less at joint(s) except 1=-125 (LC 9), 7=-130 (LC 10), 8=-151 (LC 11), 9=-190 (LC 11), 10=-108 (LC 11)

Max Grav All reactions 250 (lb) or less at joint(s) 7 except 1=267 (LC 8), 8=368 (LC 16), 9=439 (LC 16), 10=275 (LC 16)

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

TOP CHORD 1-2=-611/620, 2-3=-506/459, 3-4=-490/510, 4-13=-347/301, 5-13=-317/352

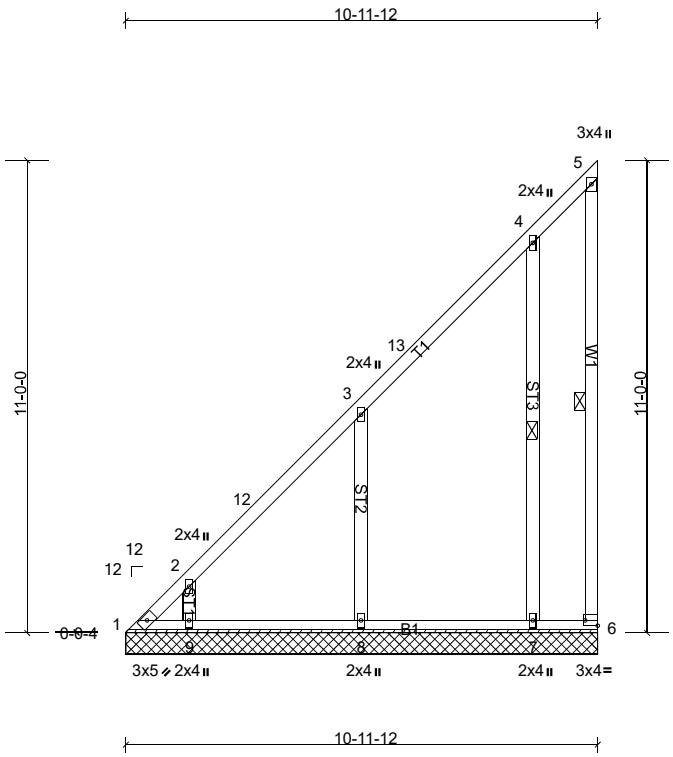
WEBS 4-9=-326/249, 5-8=-331/240

NOTES

1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 0-0-4 to 3-0-4, Interior (1) 3-0-4 to 12-2-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Gable requires continuous bottom chord bearing.
3) * 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 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 125 lb uplift at joint 1, 129 lb uplift at joint 7, 190 lb uplift at joint 9, 107 lb uplift at joint 10 and 151 lb uplift at joint 8.
5) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	HB 2000 V2-Roof
Q-2002150-1	V2	Valley	1	1	Job Reference (optional)



Scale = 1:53.6

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.64	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.22	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.16	Horiz(TL)	0.00	6	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 76 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.1
BOT CHORD	2x4 SP No.1
WEBS	2x4 SP No.2
OTHERS	2x4 SP No.3

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 5-6, 4-7

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

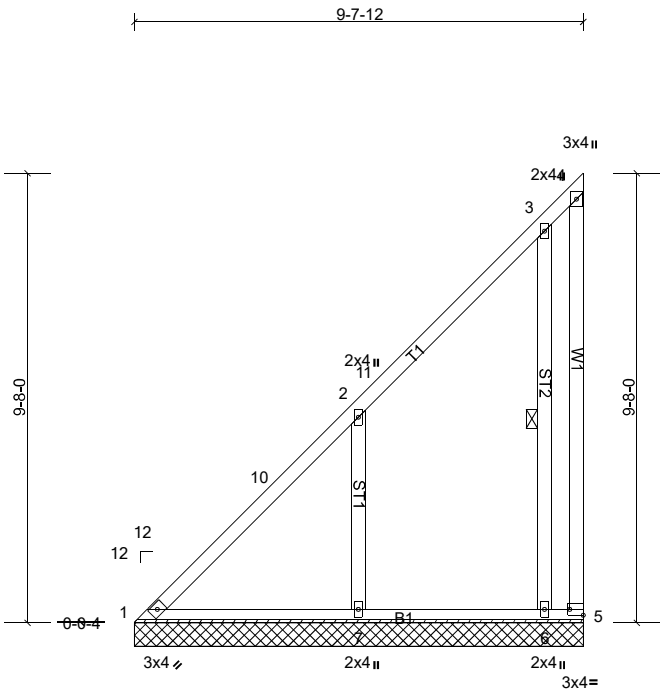
REACTIONS All bearings 10-11-12.
(lb) - Max Horiz 1=332 (LC 8)
Max Uplift All uplift 100 (lb) or less at joint(s) 9 except 1=-136 (LC 9), 6=-130 (LC 10), 7=-146 (LC 11), 8=-189 (LC 11)
Max Grav All reactions 250 (lb) or less at joint(s) 1, 6 except 7=368 (LC 16), 8=440 (LC 16), 9=262 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-585/587, 2-12=-483/437, 3-12=-452/472, 3-13=-310/258, 4-13=-293/309
WEBS 3-8=-323/244, 4-7=-332/260

NOTES
1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 0-0-4 to 3-0-4, Interior (1) 3-0-4 to 10-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Gable requires continuous bottom chord bearing.
3) * 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 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9 except (jt=lb) 6=129, 1=135, 8=189, 7=145.
5) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	HB 2000 V2-Roof
Q-2002150-1	V3	Valley	1	1	Job Reference (optional)



Scale = 1:49.5

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.80	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.18	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horiz(TL)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 66 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.1
BOT CHORD	2x4 SP No.1
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3

REACTIONS All bearings 9-7-12.
(lb) - Max Horiz 1=290 (LC 8)
Max Uplift All uplift 100 (lb) or less at joint(s) 1 except 5=-190 (LC 17), 6=-146 (LC 11), 7=-211 (LC 11)
Max Grav All reactions 250 (lb) or less at joint(s) 1, 5 except 6=364 (LC 16), 7=518 (LC 16)

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

TOP CHORD	1-10=-451/415, 2-10=-419/449, 2-11=-262/206, 3-11=-244/256
BOT CHORD	1-7=-155/252
WEBS	2-7=-353/248, 3-6=-356/300

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 3-6

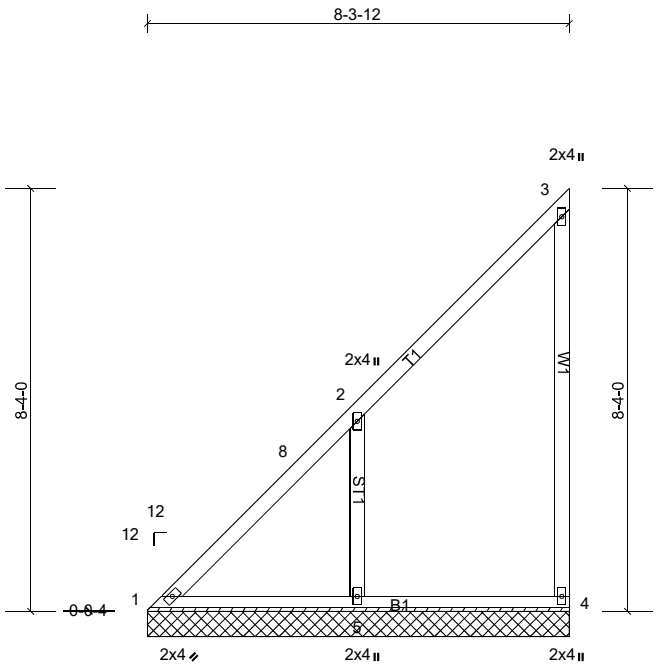
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

NOTES

1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 0-0-4 to 3-0-4, Interior (1) 3-0-4 to 9-6-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Gable requires continuous bottom chord bearing.
3) * 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 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 5=190, 7=211, 6=146.
5) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	HB 2000 V2-Roof
Q-2002150-1	V4	Valley	1	1	Job Reference (optional)



Scale = 1:45.4

8-3-12

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.99	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.16	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horiz(TL)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MP							Weight: 46 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.1
BOT CHORD	2x4 SP No.1
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3

REACTIONS (lb/size) 1=125/8-3-12, (min. 0-1-8), 4=120/8-3-12, (min. 0-1-8), 5=408/8-3-12, (min. 0-1-8)
Max Horiz 1=248 (LC 8)
Max Uplift 1=-15 (LC 9), 4=-72 (LC 8), 5=-205 (LC 11)
Max Grav 1=198 (LC 17), 4=204 (LC 16), 5=515 (LC 16)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-8=-406/368, 2-8=-379/399
WEBS 2-5=-352/251

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.

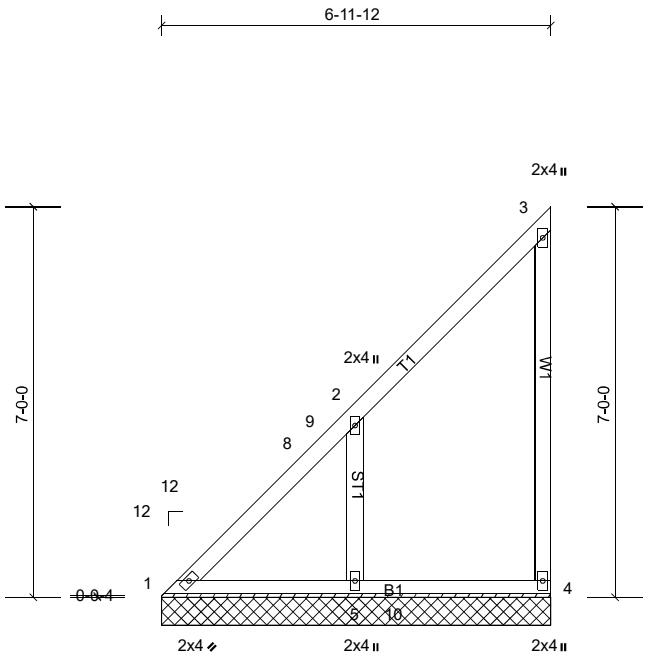
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

NOTES

1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 0-0-4 to 3-0-4, Interior (1) 3-0-4 to 8-2-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Gable requires continuous bottom chord bearing.
3) * 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 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 72 lb uplift at joint 4, 15 lb uplift at joint 1 and 205 lb uplift at joint 5.
5) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	HB 2000 V2-Roof
Q-2002150-1	V5	Valley	1	1	Job Reference (optional)



Scale = 1:41.3

6-11-12

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.67	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.10	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horiz(TL)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MP							Weight: 38 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.1
BOT CHORD	2x4 SP No.1
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3

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) 1=105/6-11-12, (min. 0-1-8), 4=100/6-11-12, (min. 0-1-8), 5=341/6-11-12, (min. 0-1-8)
Max Horiz 1=206 (LC 8)
Max Uplift 1=-11 (LC 9), 4=-60 (LC 8), 5=-169 (LC 11)
Max Grav 1=166 (LC 17), 4=169 (LC 16), 5=408 (LC 16)

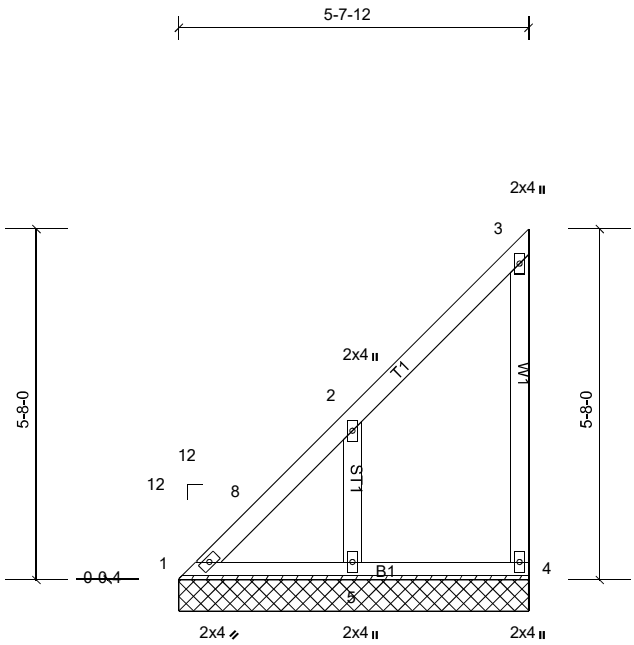
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-8=-351/312, 8-9=-331/331, 2-9=-329/338
WEBS 2-5=-295/208

NOTES

1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 0-0-4 to 3-0-4, Interior (1) 3-0-4 to 6-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Gable requires continuous bottom chord bearing.
3) * 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 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 60 lb uplift at joint 4, 11 lb uplift at joint 1 and 169 lb uplift at joint 5.
5) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	HB 2000 V2-Roof
Q-2002150-1	V6	Valley	1	1	Job Reference (optional)



Scale = 1:37.2

5-7-12

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.41	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.05	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horiz(TL)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MP							Weight: 30 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.1
BOT CHORD	2x4 SP No.1
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3

BRACING

TOP CHORD	Structural wood sheathing directly applied or 5-8-0 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) 1=86/5-7-12, (min. 0-1-8), 4=80/5-7-12, (min. 0-1-8), 5=274/5-7-12, (min. 0-1-8)
Max Horiz 1=165 (LC 8)
Max Uplift 1=-7 (LC 9), 4=-48 (LC 8), 5=-132 (LC 11)
Max Grav 1=137 (LC 17), 4=101 (LC 16), 5=294 (LC 16)

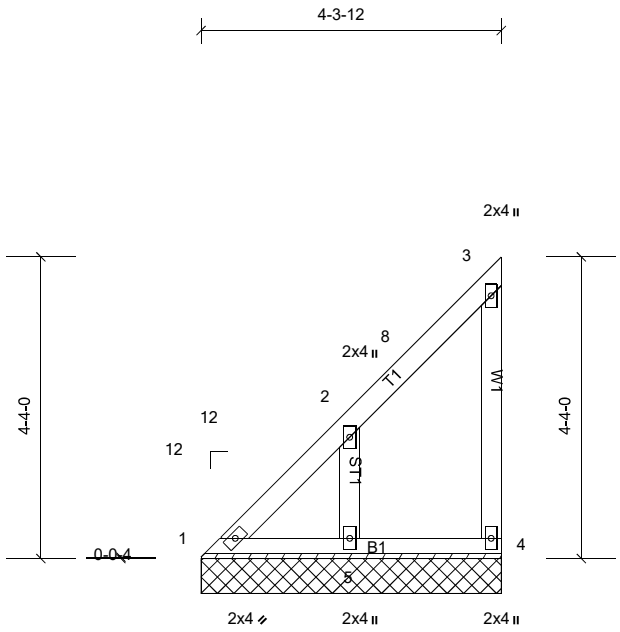
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-8=-288/252, 2-8=-272/273

NOTES

1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 0-0-4 to 2-9-14, Interior (1) 2-9-14 to 5-6-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Gable requires continuous bottom chord bearing.
3) * 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 2-00-00 wide will fit between the bottom chord and any other members.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 48 lb uplift at joint 4, 7 lb uplift at joint 1 and 132 lb uplift at joint 5.
5) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	HB 2000 V2-Roof
Q-2002150-1	V7	Valley	1	1	Job Reference (optional)



Scale = 1:33.1

4-3-12

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.21	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.03	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horiz(TL)	n/a	-	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MP							Weight: 23 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.1
BOT CHORD	2x4 SP No.1
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-4-0 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) 1=66/4-3-12, (min. 0-1-8), 4=61/4-3-12, (min. 0-1-8), 5=207/4-3-12, (min. 0-1-8)
Max Horiz 1=123 (LC 8)
Max Uplift 1=-3 (LC 9), 4=-36 (LC 8), 5=-96 (LC 11)
Max Grav 1=103 (LC 17), 4=76 (LC 16), 5=221 (LC 16)

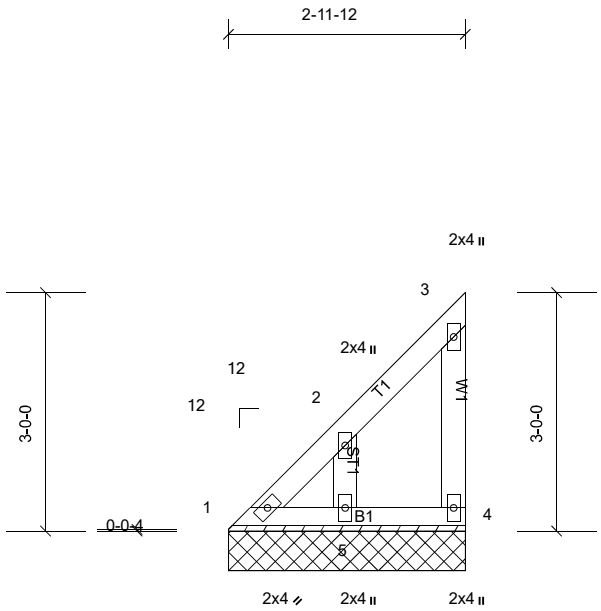
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES

1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 0-0-4 to 3-0-4, Interior (1) 3-0-4 to 4-2-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Gable requires continuous bottom chord bearing.
3) * 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 2-00-00 wide will fit between the bottom chord and any other members.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 36 lb uplift at joint 4, 3 lb uplift at joint 1 and 96 lb uplift at joint 5.
5) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	HB 2000 V2-Roof
Q-2002150-1	V8	Valley	1	1	Job Reference (optional)



Scale = 1:29

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.01	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horiz(TL)	n/a	-	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MP							Weight: 15 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.1
BOT CHORD	2x4 SP No.1
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3

REACTIONS (lb/size) 1=46/2-11-12, (min. 0-1-8), 4=41/2-11-12, (min. 0-1-8), 5=140/2-11-12, (min. 0-1-8)
Max Horiz 1=81 (LC 8)
Max Uplift 4=-24 (LC 8), 5=-59 (LC 11)
Max Grav 1=69 (LC 17), 4=51 (LC 16), 5=148 (LC 16)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 3-0-0 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.

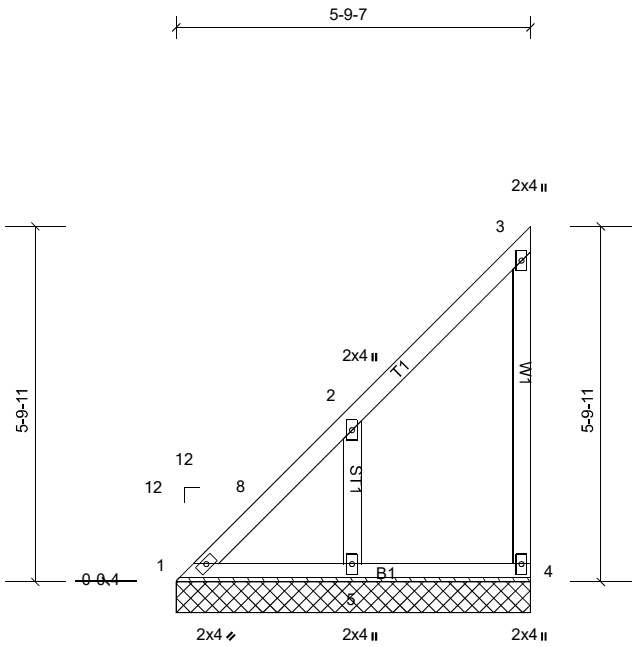
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES

1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Gable requires continuous bottom chord bearing.
3) * 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 2-00-00 wide will fit between the bottom chord and any other members.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 24 lb uplift at joint 4 and 59 lb uplift at joint 5.
5) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	HB 2000 V2-Roof
Q-2002150-1	V9	Valley	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 (roof)	20.0	Plate Grip DOL	1.15	TC	0.43	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.05	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horiz(TL)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MP							Weight: 31 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.1
BOT CHORD	2x4 SP No.1
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3

BRACING

TOP CHORD	Structural wood sheathing directly applied or 5-9-11 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=88/5-9-7, (min. 0-1-8), 4=82/5-9-7, (min. 0-1-8), 5=281/5-9-7, (min. 0-1-8)
Max Horiz 1=169 (LC 8)
Max Uplift 1=-7 (LC 9), 4=-49 (LC 8), 5=-136 (LC 11)
Max Grav 1=141 (LC 17), 4=104 (LC 16), 5=301 (LC 16)

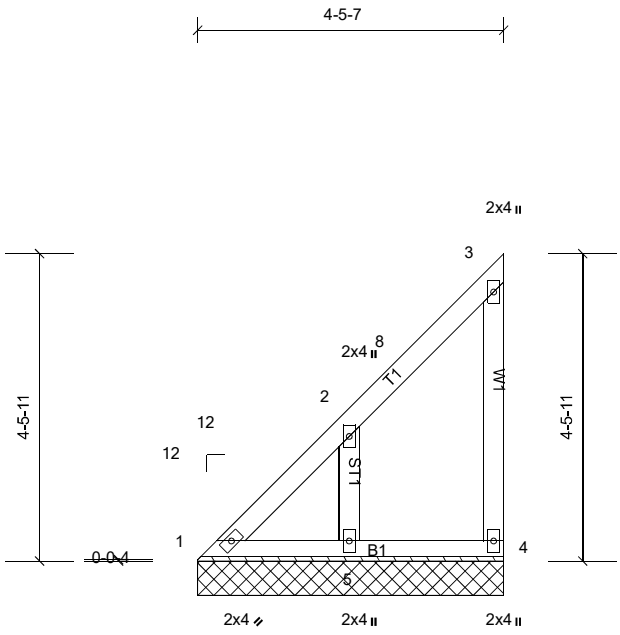
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-8=-295/260, 2-8=-279/280

NOTES

1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 0-0-4 to 2-10-11, Interior (1) 2-10-11 to 5-7-15 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Gable requires continuous bottom chord bearing.
3) * 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 2-00-00 wide will fit between the bottom chord and any other members.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 49 lb uplift at joint 4, 7 lb uplift at joint 1 and 136 lb uplift at joint 5.
5) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	HB 2000 V2-Roof
Q-2002150-1	V10	Valley	1	1	Job Reference (optional)



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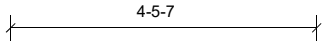


Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.23	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.03	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horiz(TL)	n/a	-	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MP							Weight: 23 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.1
BOT CHORD	2x4 SP No.1
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-5-11 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=68/4-5-7, (min. 0-1-8), 4=63/4-5-7, (min. 0-1-8), 5=214/4-5-7, (min. 0-1-8)
Max Horiz 1=127 (LC 8)
Max Uplift 1=-4 (LC 9), 4=-38 (LC 8), 5=-99 (LC 11)
Max Grav 1=107 (LC 17), 4=79 (LC 16), 5=228 (LC 16)

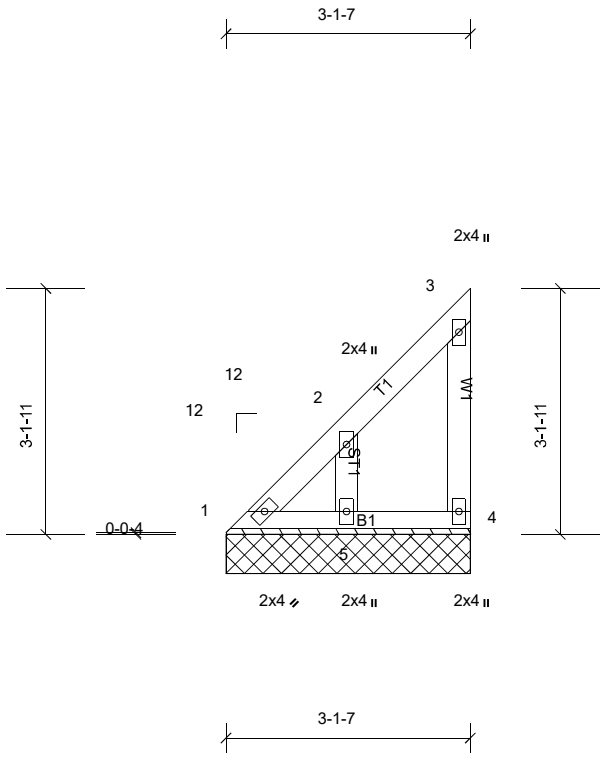
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES

1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 0-0-4 to 3-0-4, Interior (1) 3-0-4 to 4-3-15 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Gable requires continuous bottom chord bearing.
3) * 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 2-00-00 wide will fit between the bottom chord and any other members.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 38 lb uplift at joint 4, 4 lb uplift at joint 1 and 99 lb uplift at joint 5.
5) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	HB 2000 V2-Roof
Q-2002150-1	V11	Valley	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 (roof)	20.0	Plate Grip DOL	1.15	TC	0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.02	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	n/a	-	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MP							Weight: 16 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.1
BOT CHORD	2x4 SP No.1
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3

BRACING

TOP CHORD	Structural wood sheathing directly applied or 3-1-11 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=48/3-1-7, (min. 0-1-8), 4=43/3-1-7, (min. 0-1-8), 5=147/3-1-7, (min. 0-1-8)
Max Horiz 1=85 (LC 8)
Max Uplift 4=-26 (LC 8), 5=-63 (LC 11)
Max Grav 1=73 (LC 17), 4=54 (LC 16), 5=155 (LC 16)

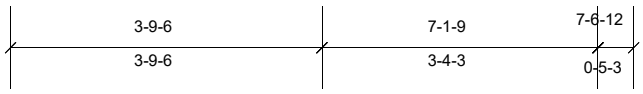
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

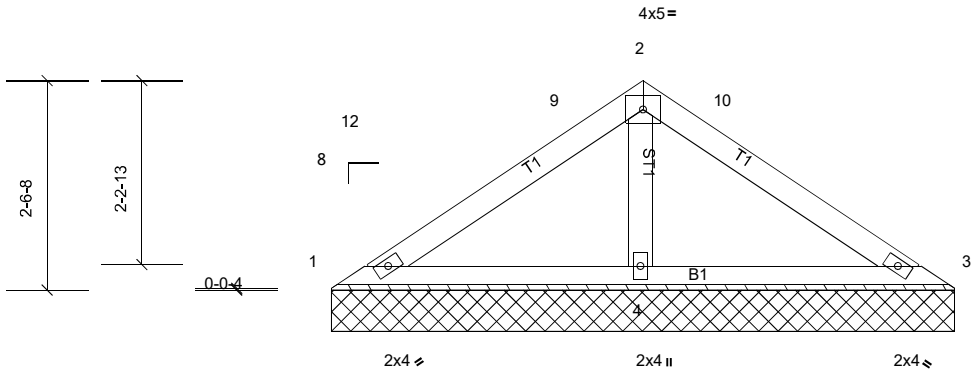
NOTES

1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Gable requires continuous bottom chord bearing.
3) * 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 2-00-00 wide will fit between the bottom chord and any other members.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 26 lb uplift at joint 4 and 63 lb uplift at joint 5.
5) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	HB 2000 V2-Roof
Q-2002150-1	V12	Valley	1	1	Job Reference (optional)





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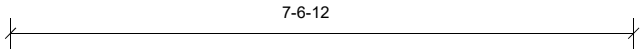


Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.13	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.13	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MP							Weight: 26 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.3

REACTIONS (lb/size) 1=43/7-6-12, (min. 0-1-8), 3=47/7-6-12, (min. 0-1-8), 4=515/7-6-12, (min. 0-1-8)
Max Horiz 1=-42 (LC 9)
Max Uplift 1=-6 (LC 21), 3=-3 (LC 20), 4=-83 (LC 11)
Max Grav 1=70 (LC 20), 3=73 (LC 21), 4=515 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-4=-363/89

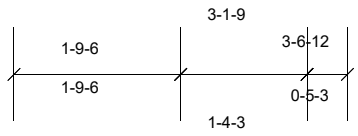
BRACING
TOP CHORD Structural wood sheathing directly applied or 7-7-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

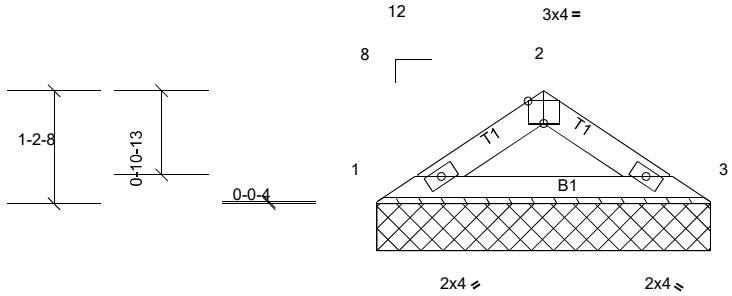
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 0-0-6 to 3-0-6, Interior (1) 3-0-6 to 3-9-12, Exterior (2) 3-9-12 to 6-7-15, Interior (1) 6-7-15 to 7-7-2 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
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 2-00-00 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 6 lb uplift at joint 1, 3 lb uplift at joint 3 and 83 lb uplift at joint 4.
6) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	HB 2000 V2-Roof
Q-2002150-1	V13	Valley	1	1	Job Reference (optional)





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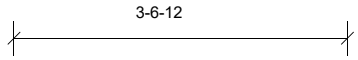

Plate Offsets (X, Y): [2:0-2-0,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.07	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.06	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MP							Weight: 10 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-7-8 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=142/3-6-12, (min. 0-1-8), 3=142/3-6-12, (min. 0-1-8)
Max Horiz 1=-19 (LC 9)
Max Uplift 1=-18 (LC 11), 3=-18 (LC 11)

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

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
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 2-00-00 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 18 lb uplift at joint 1 and 18 lb uplift at joint 3.
6) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard