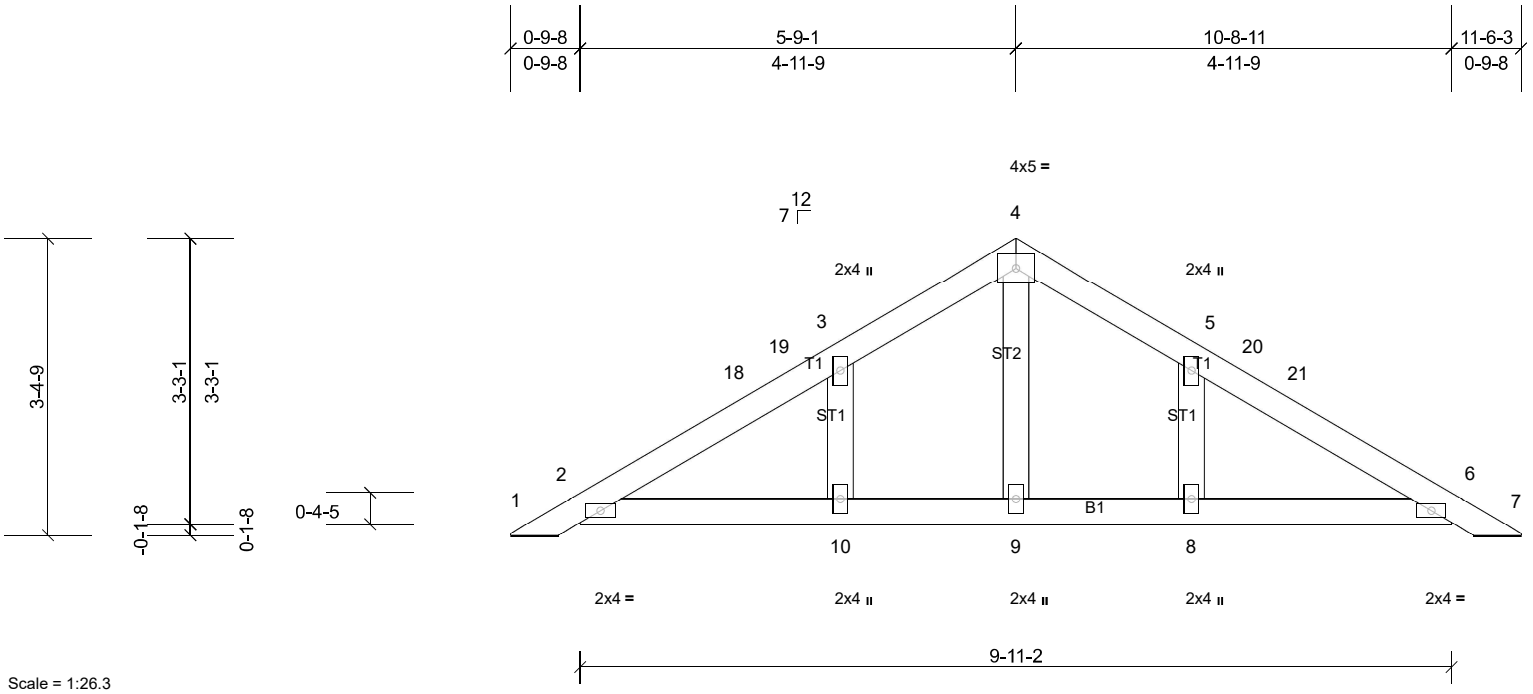
Job	Truss	Truss Type	Qty	Ply	Wiggins Resd-Wiggins Resd
Q-2201036-1	CAP1	Piggyback	1	1	Job Reference (optional)



Scale = 1:26.3

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	0.05	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS							Weight: 43 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.

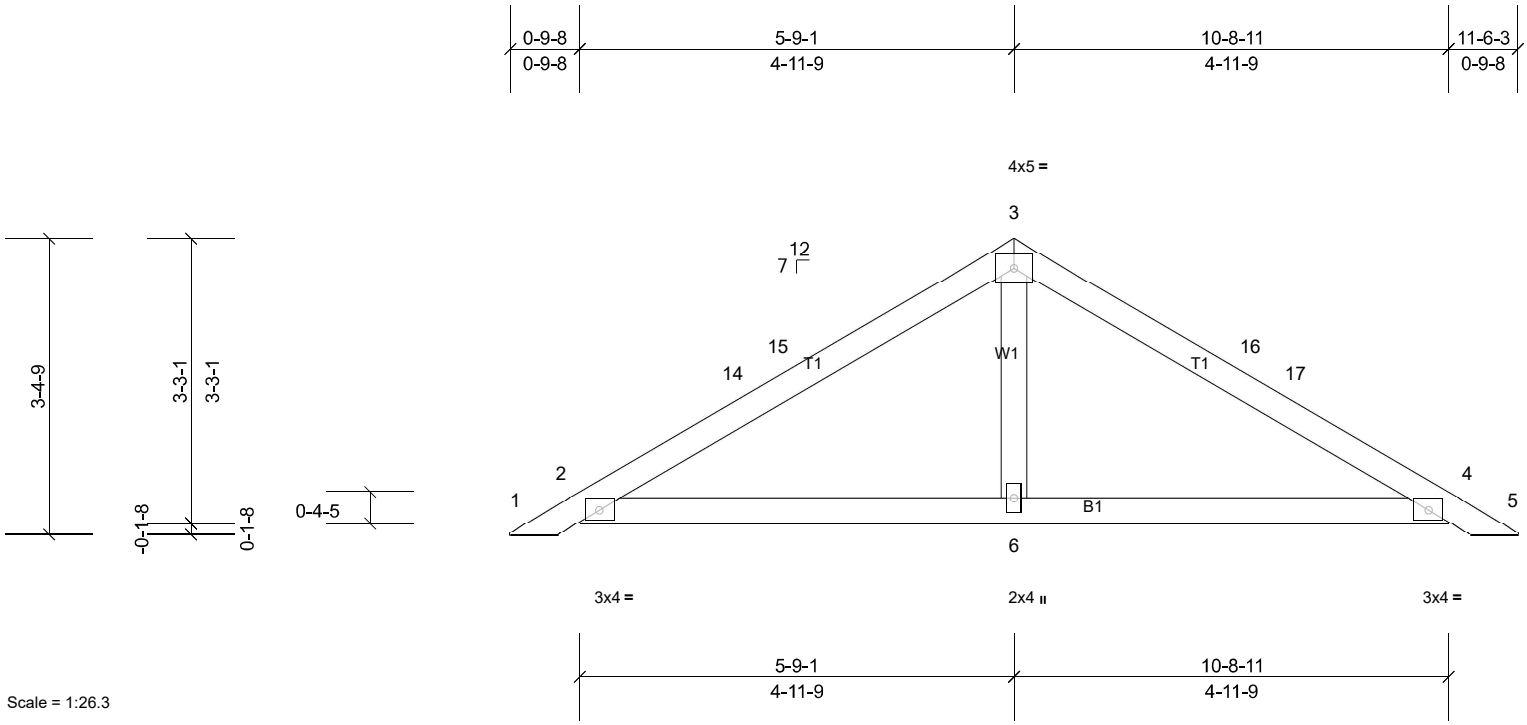
REACTIONS All bearings 9-11-2.
(lb) - Max Horiz 2=-53 (LC 9), 11=-53 (LC 9)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 6, 8, 10, 11, 15
Max Grav All reactions 250 (lb) or less at joint(s) 2, 6, 8, 9, 10, 11, 15

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=115mph (3-second gust) Vasd=91mph; 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) 0-3-11 to 3-3-11, Interior (1) 3-3-11 to 5-9-8, Exterior (2) 5-9-8 to 8-9-8, Interior (1) 8-9-8 to 11-3-6 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 Residential Code sections R502.11.1 and R802.10.2 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	Wiggins Resd-Wiggins Resd
Q-2201036-1	CAP2	Piggyback	14	1	Job Reference (optional)



Scale = 1:26.3

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	0.19	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	11	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS							Weight: 39 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.

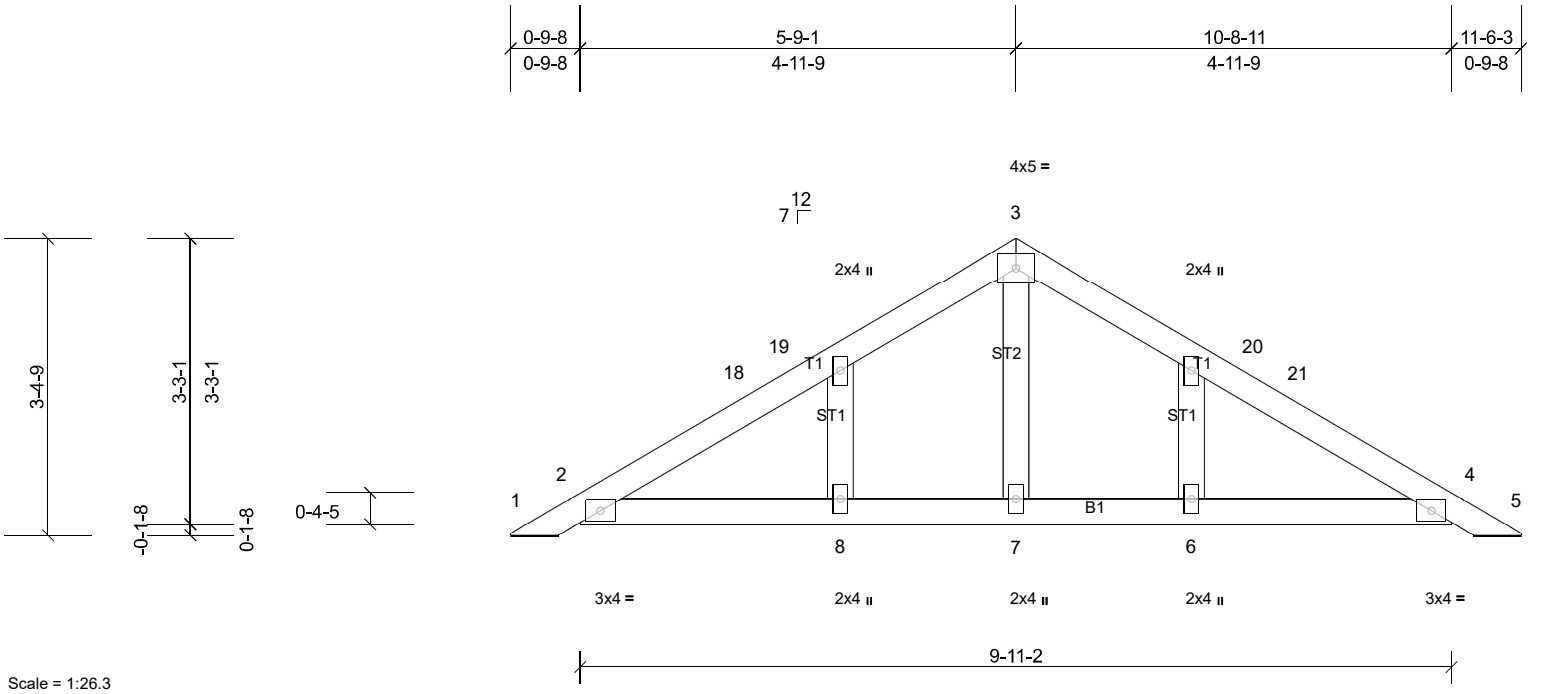
REACTIONS All bearings 9-11-2.
(lb) - Max Horiz 2=-53 (LC 9), 7=-53 (LC 9)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 4, 7, 11
Max Grav All reactions 250 (lb) or less at joint(s) except 2=251 (LC 1), 4=251 (LC 1), 6=356 (LC 1), 7=251 (LC 1), 11=251 (LC 1)

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=115mph (3-second gust) Vasd=91mph; 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) 0-3-11 to 3-3-11, Interior (1) 3-3-11 to 5-9-8, Exterior (2) 5-9-8 to 8-9-8, Interior (1) 8-9-8 to 11-3-6 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 100 lb uplift at joint(s) 2, 4, 2, 4.
6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) 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	Wiggins Resd-Wiggins Resd
Q-2201036-1	CAP3	Piggyback	1	1	Job Reference (optional)



Scale = 1:26.3

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	0.18	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.23	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	15	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS							Weight: 43 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.

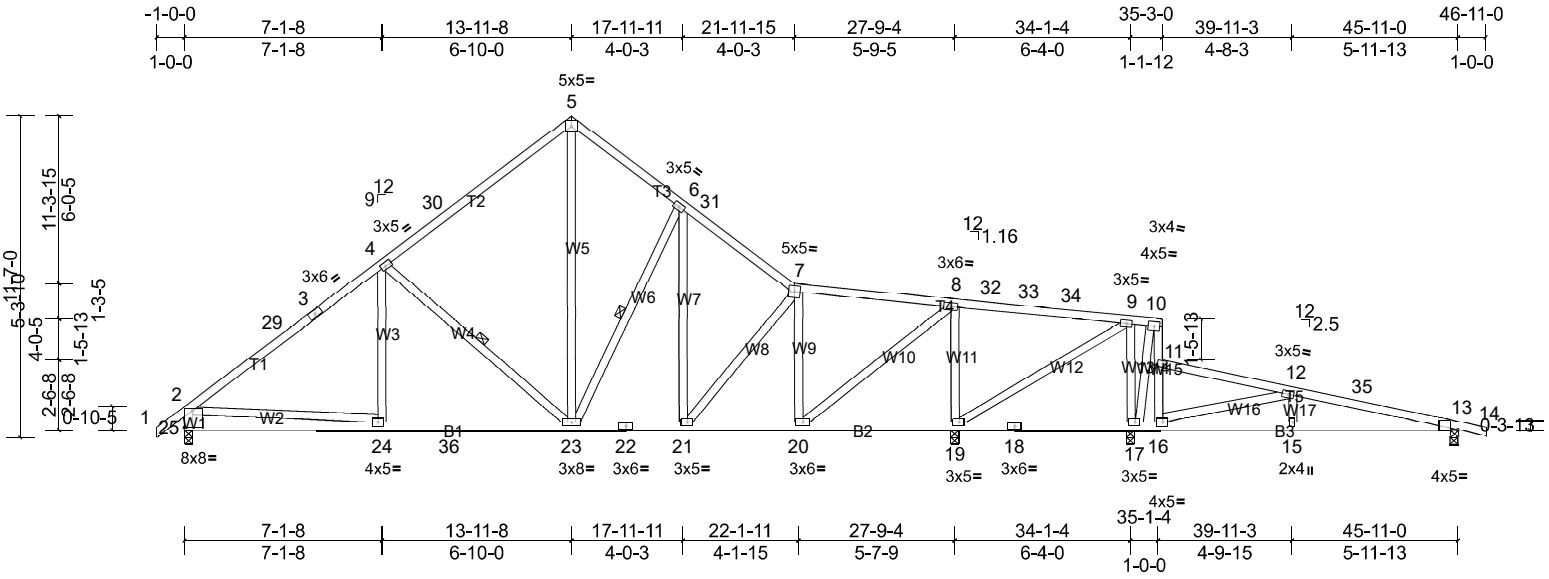
REACTIONS All bearings 9-11-2.
(lb) - Max Horiz 2=53 (LC 10), 11=53 (LC 10)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 4, 6, 7, 8, 11, 15
Max Grav All reactions 250 (lb) or less at joint(s) 6, 7, 8 except 2=298 (LC 1), 4=298 (LC 1), 11=298 (LC 1), 15=298 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-18=-334/78, 18-19=-273/81, 3-19=-265/96, 3-20=-265/96, 20-21=-273/81, 4-21=-334/78

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; 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) 0-3-11 to 3-3-11, Interior (1) 3-3-11 to 5-9-8, Exterior (2) 5-9-8 to 8-9-8, Interior (1) 8-9-8 to 11-3-6 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, 7, 8, 6, 2, 4.
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 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	Wiggins Resd-Wiggins Resd
Q-2201036-1	T1	Roof Special	1	1	Job Reference (optional)



Scale = 1:83.1

Plate Offsets (X, Y): [13:0-3-5,Edge], [25:Edge,0-7-4]

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	0.66	Vert(LL)	0.04	15-28	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.35	Vert(CT)	-0.12	23-24	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.58	Horz(CT)	0.02	13	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS							Weight: 289 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 5-2-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 4-23, 6-23

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

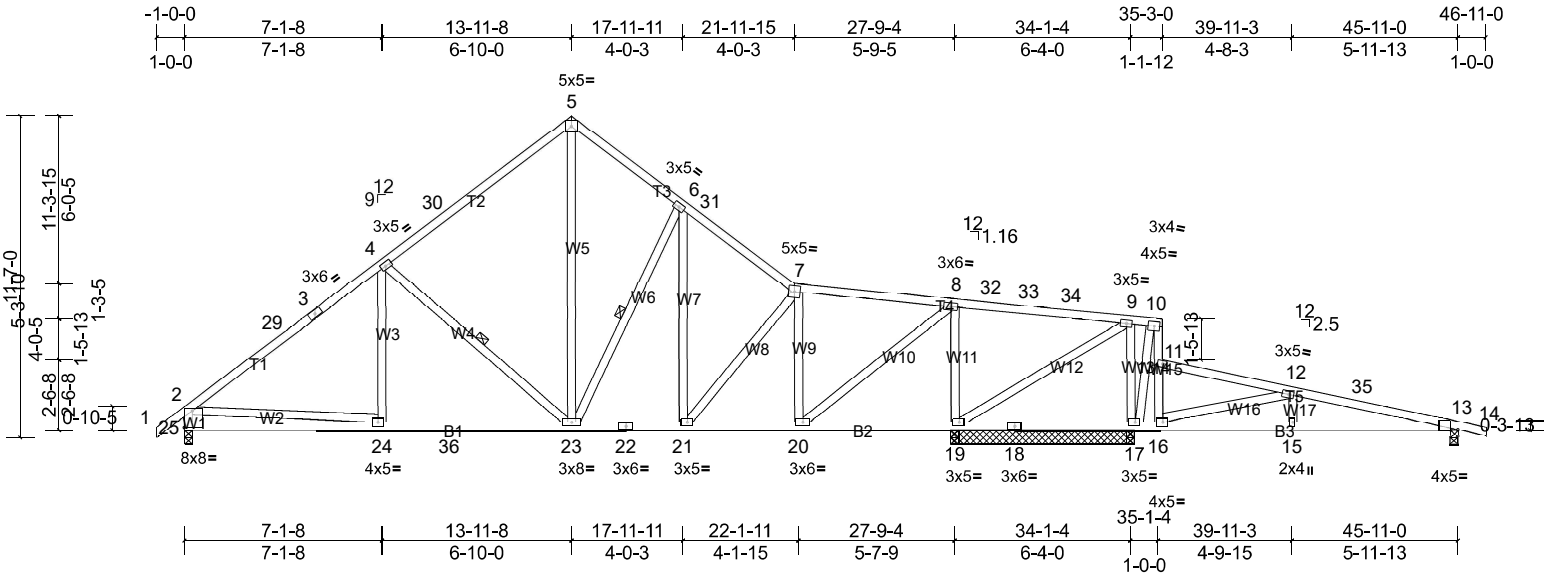
REACTIONS All bearings 0-3-8.
(lb) - Max Horiz 25=-178 (LC 9)
Max Uplift All uplift 100 (lb) or less at joint(s) 13, 17 except 19=-174 (LC 11), 25=-113 (LC 11)
Max Grav All reactions 250 (lb) or less at joint(s) except 13=444 (LC 21), 17=610 (LC 21), 19=1705 (LC 1), 25=1081 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-29=-1275/105, 3-29=-1151/106, 3-4=-1049/132, 4-30=-872/150, 5-30=-734/194, 5-6=-803/214, 6-31=-777/150, 7-31=-906/134, 7-8=-608/66, 8-32=-63/539, 32-33=-65/524, 33-34=-66/520, 9-34=-70/515, 11-16=-24/315, 10-11=-66/501, 12-35=-826/72, 13-35=-848/66, 2-25=-1015/150
BOT CHORD 24-25=-186/467, 24-36=-72/993, 23-36=-72/993, 22-23=0/672, 21-22=0/672, 20-21=-3/609, 19-20=-517/110, 15-16=-34/816, 13-15=-34/816
WEBS 7-20=-782/146, 8-20=-139/1407, 8-19=-1381/224, 12-16=-1042/111, 2-24=0/616, 9-17=-319/111, 9-19=-364/47, 4-23=-517/162, 5-23=-128/586

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=46ft; eave=6ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) -1-0-0 to 3-7-2, Interior (1) 3-7-2 to 13-11-8, Exterior (2) 13-11-8 to 18-6-10, Interior (1) 18-6-10 to 46-11-0 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 100 lb uplift at joint(s) 17, 13 except (jt=lb) 25=113, 19=173.
5) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Wiggins Resd-Wiggins Resd
Q-2201036-1	T1A	Roof Special	1	1	Job Reference (optional)



Scale = 1:83.1

Plate Offsets (X, Y): [13:0-3-5,Edge], [25:Edge,0-7-4]

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	0.66	Vert(LL)	0.04	15-28	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.35	Vert(CT)	-0.12	23-24	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.58	Horz(CT)	0.02	13	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS							Weight: 289 lb	FT = 20%

LUMBER

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

REACTIONS All bearings 0-3-8. except 17=6-7-8, 19=6-7-8
(lb) - Max Horiz 25=-178 (LC 9)
Max Uplift All uplift 100 (lb) or less at joint(s) 13, 17 except 19=-174 (LC 11), 25=-113 (LC 11)
Max Grav All reactions 250 (lb) or less at joint(s) except 13=444 (LC 21), 17=610 (LC 21), 19=1705 (LC 1), 25=1081 (LC 1)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 5-2-4 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 4-23, 6-23

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.

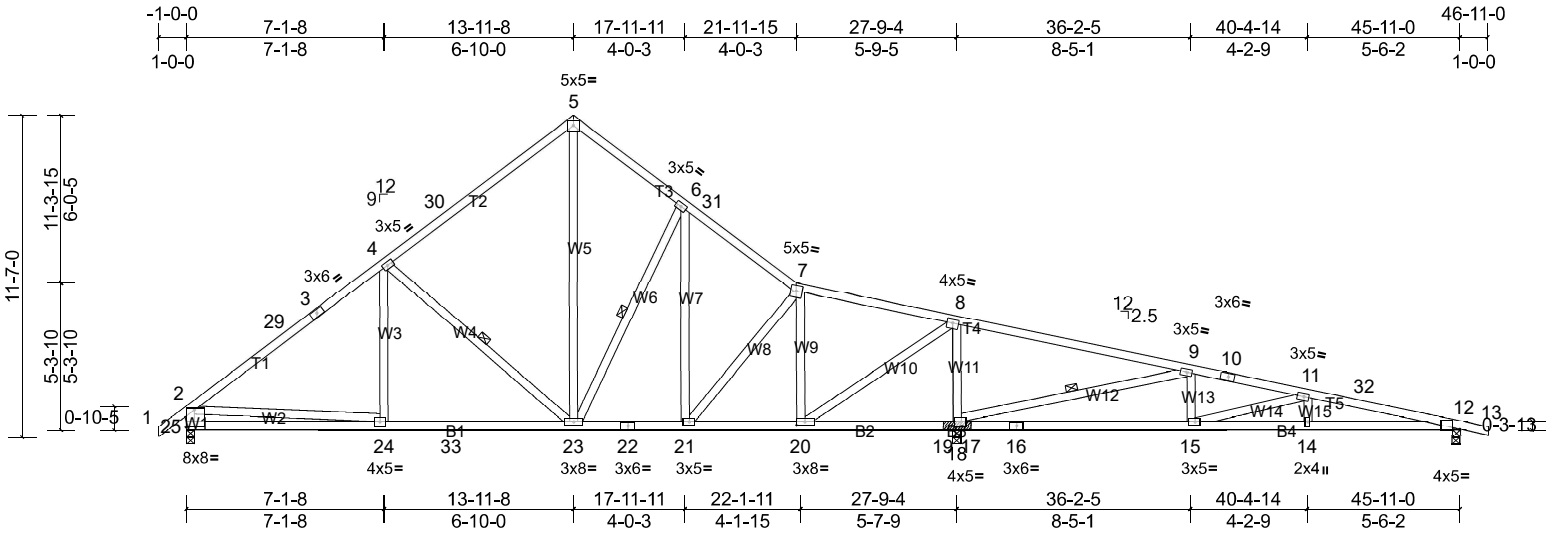
TOP CHORD	2-29=-1275/105, 3-29=-1151/106, 3-4=-1049/132, 4-30=-872/150, 5-30=-734/194, 5-6=-803/214, 6-31=-777/150, 7-31=-906/134, 7-8=-608/66, 8-32=-63/539, 32-33=-65/524, 33-34=-66/520, 9-34=-70/515, 11-16=-24/315, 10-11=-66/501, 12-35=-826/72, 13-35=-848/66, 2-25=-1015/150
BOT CHORD	24-25=-186/467, 24-36=-72/993, 23-36=-72/993, 22-23=0/672, 21-22=0/672, 20-21=-3/609, 19-20=-517/110, 15-16=-34/816, 13-15=-34/816
WEBS	7-20=-782/146, 12-16=-1042/111, 2-24=0/616, 4-23=-517/162, 5-23=-128/586, 8-19=-1381/224, 8-20=-139/1407, 9-19=-364/47, 9-17=-319/111

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=46ft; eave=6ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) -1-0-0 to 3-7-2, Interior (1) 3-7-2 to 13-11-8, Exterior (2) 13-11-8 to 18-6-10, Interior (1) 18-6-10 to 46-11-0 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 100 lb uplift at joint(s) 17, 13 except (jt=lb) 25=113, 19=173.
5) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Wiggins Resd-Wiggins Resd
Q-2201036-1	T1B	Roof Special	3	1	Job Reference (optional)



Scale = 1:83.1

Plate Offsets (X, Y): [12:0-3-5,Edge], [20:0-3-8,0-1-8], [25:Edge,0-7-4]

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	0.76	Vert(LL)	-0.07	14-28	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.40	Vert(CT)	-0.16	15-18	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.69	Horz(CT)	0.02	12	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS							Weight: 277 lb	FT = 20%

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

REACTIONS (lb/size) 12=512/0-3-8, (min. 0-1-8), 18=2284/(0-3-8 + bearing block), (req. 0-3-9), 25=994/0-3-8, (min. 0-1-9)
Max Horiz 25=-210 (LC 9)
Max Uplift 12=-71 (LC 11), 18=-203 (LC 11), 25=-117 (LC 11)
Max Grav 12=523 (LC 21), 18=2284 (LC 1), 25=994 (LC 1)

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-2-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 5-6-6 oc bracing: 18-20.
WEBS 1 Row at midpt 4-23, 6-23, 9-18

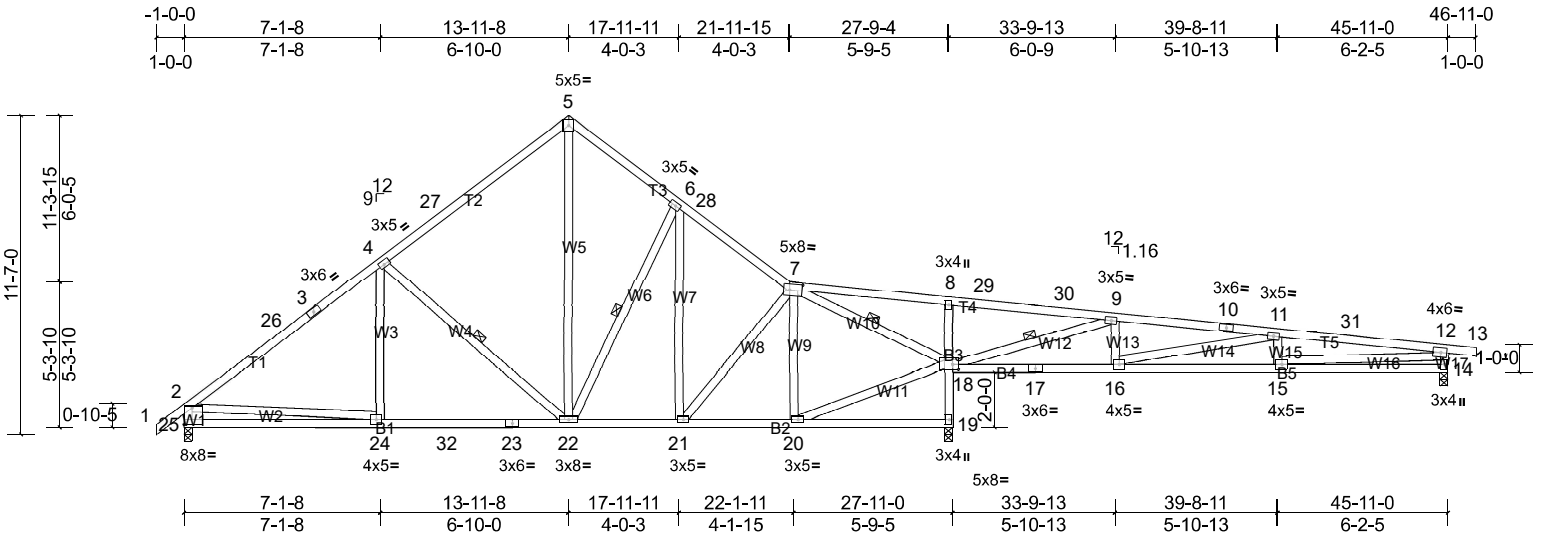
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-29=-1148/112, 3-29=-1024/113, 3-4=-922/138, 4-30=-737/157, 5-30=-598/201, 5-6=-668/221, 6-31=-547/161, 7-31=-666/145, 7-8=-283/83, 8-9=-89/1263, 9-10=-476/53, 10-11=-522/50, 11-32=-1210/100, 12-32=-1233/95, 2-25=-930/154
BOT CHORD 24-25=-100/482, 24-33=0/933, 23-33=0/933, 22-23=0/515, 21-22=0/515, 20-21=0/287, 19-20=-1184/176, 18-19=-1184/176, 17-18=-5/496, 16-17=-5/496, 15-16=-5/496, 14-15=-61/1191, 12-14=-61/1191
WEBS 7-20=-863/123, 2-24=0/536, 4-23=-525/162, 5-23=-137/497, 7-21=0/407, 8-20=-124/1672, 8-18=-1716/253, 9-18=-1674/174, 9-15=0/319, 11-15=-725/71

NOTES
1) 2x4 SP No.1 bearing block 12" long at jt. 18 attached to front face with 2 rows of 10d (0.131"x3") nails spaced 3" o.c. 8 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=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=46ft; eave=6ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) -1-0-0 to 3-7-2, Interior (1) 3-7-2 to 13-11-8, Exterior (2) 13-11-8 to 18-6-10, Interior (1) 18-6-10 to 46-11-0 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
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 117 lb uplift at joint 25, 203 lb uplift at joint 18 and 71 lb uplift at joint 12.
6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Wiggins Resd-Wiggins Resd
Q-2201036-1	T1C	Roof Special	8	1	Job Reference (optional)



Scale = 1:83.7

Plate Offsets (X, Y): [7:0-5-8,0-2-8], [18:0-2-8,0-2-0], [25:Edge,0-7-4]

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	0.66	Vert(LL)	-0.09	15-16	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.37	Vert(CT)	-0.19	15-16	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.70	Horz(CT)	0.03	14	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS							Weight: 291 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1 *Except* B3:2x4 SP No.3
WEBS 2x4 SP No.3

REACTIONS (lb/size) 14=608/0-3-8, (min. 0-1-8), 19=2124/0-3-8, (min. 0-3-5), 25=1056/0-3-8, (min. 0-1-10)
Max Horiz 25=-173 (LC 9)
Max Uplift 14=-80 (LC 11), 19=-196 (LC 11), 25=-118 (LC 11)
Max Grav 14=614 (LC 21), 19=2124 (LC 1), 25=1056 (LC 1)

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-10-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 19-20
3-6-4 oc bracing: 18-19.
WEBS 1 Row at midpt 7-18, 9-18, 4-22, 6-22

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=-1239/113, 3-26=-1115/115, 3-4=-1013/140, 4-27=-834/159, 5-27=-695/203, 5-6=-764/223, 6-28=-708/166, 7-28=-837/150, 7-8=-78/1239, 8-29=-97/1250, 29-30=-100/1232, 9-30=-103/1219, 9-10=-530/36, 10-11=-546/30, 11-31=-1489/117, 12-31=-1509/113, 2-25=-991/156, 12-14=-544/112
BOT CHORD 24-25=-170/461, 24-32=-61/965, 23-32=-61/965, 22-23=-61/965, 21-22=0/617, 20-21=-8/504, 18-19=-2071/226, 8-18=-400/124, 17-18=-6/527, 16-17=-6/527, 15-16=-85/1483, 14-15=-32/321
WEBS 18-20=-11/552, 7-18=-1942/182, 9-18=-1795/157, 2-24=0/596, 4-22=-519/162, 5-22=-138/581, 12-15=-67/1171, 9-16=0/343, 11-16=-991/100

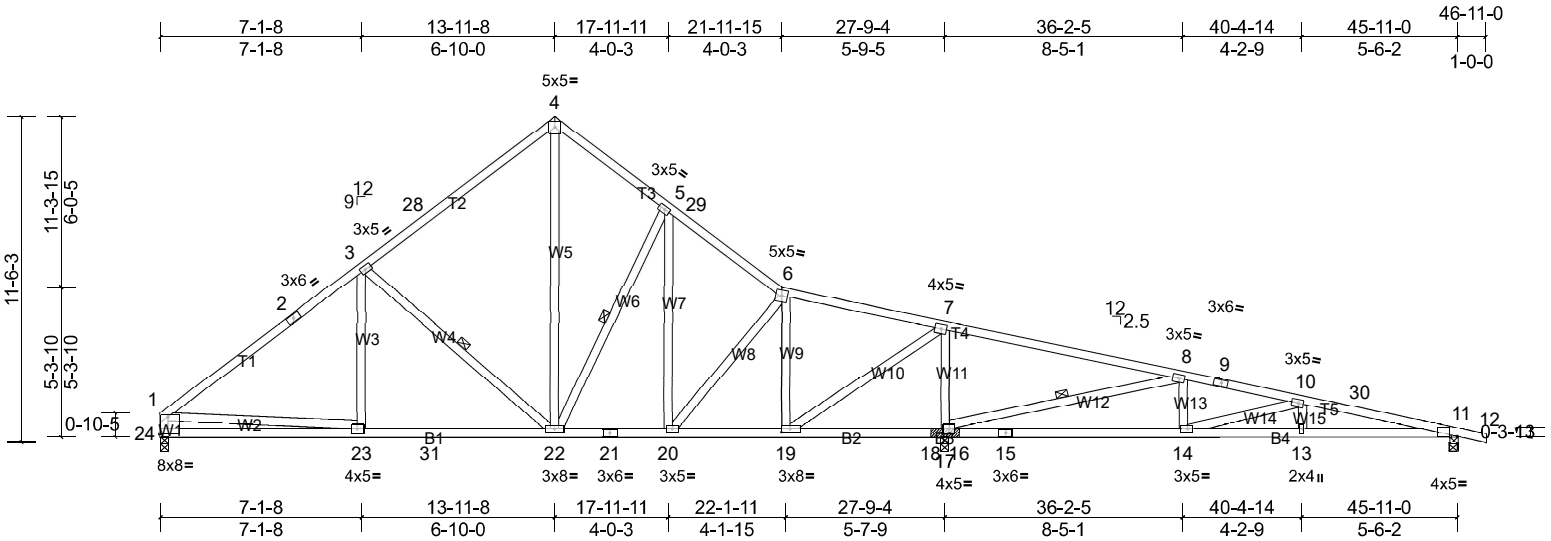
NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=46ft; eave=6ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) -1-0-0 to 3-7-2, Interior (1) 3-7-2 to 13-11-8, Exterior (2) 13-11-8 to 18-6-10, Interior (1) 18-6-10 to 46-11-0 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 118 lb uplift at joint 25, 196 lb uplift at joint 19 and 80 lb uplift at joint 14.
5) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Wiggins Resd-Wiggins Resd
Q-2201036-1	T1D	Roof Special	5	1	Job Reference (optional)

Peak Truss Builders LLC, New Hill, user — Run: 8.43 S Feb 3 2021 Print: 8.430 S Feb 3 2021 MiTek Industries, Inc. Tue May 24 14:33:46 — Page: 1

ID:wtsPwa_SuRYzXyZDXT3i?RzDKAY-XYI2YFCNgJmJ4d6J6TXS7akaDJ549SbRonYcYTzDGtp



Scale = 1:81.6

Plate Offsets (X, Y): [11:0-3-5,Edge], [19:0-3-8,0-1-8], [24:Edge,0-7-4]

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	0.76	Vert(LL)	-0.07	13-27	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.40	Vert(CT)	-0.16	14-17	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.69	Horz(CT)	0.02	11	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS							Weight: 275 lb	FT = 20%

LUMBER

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

REACTIONS (lb/size) 11=512/0-3-8, (min. 0-1-8), 17=2286/(0-3-8 + bearing block), (req. 0-3-9), 24=924/0-3-8, (min. 0-1-8)
Max Horiz 24=-205 (LC 9)
Max Uplift 11=-70 (LC 11), 17=-205 (LC 11), 24=-81 (LC 11)
Max Grav 11=523 (LC 21), 17=2286 (LC 1), 24=924 (LC 1)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 5-2-5 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 5-6-5 oc bracing: 17-19.
WEBS	1 Row at midpt 3-22, 5-22, 8-17

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=-1149/109, 2-3=-923/137, 3-28=-740/158, 4-28=-599/203, 4-5=-670/222, 5-29=-546/161, 6-29=-667/145, 6-7=-282/83, 7-8=-91/1266, 8-9=-475/53, 9-10=-521/49, 10-30=-1209/98, 11-30=-1232/93, 1-24=-859/118

BOT CHORD 23-24=-45/401, 23-31=0/941, 22-31=0/941, 21-22=0/515, 20-21=0/515, 19-20=0/286, 18-19=-1187/178, 17-18=-1187/178, 16-17=-4/495, 15-16=-4/495, 14-15=-4/495, 13-14=-59/1190, 11-13=-59/1190

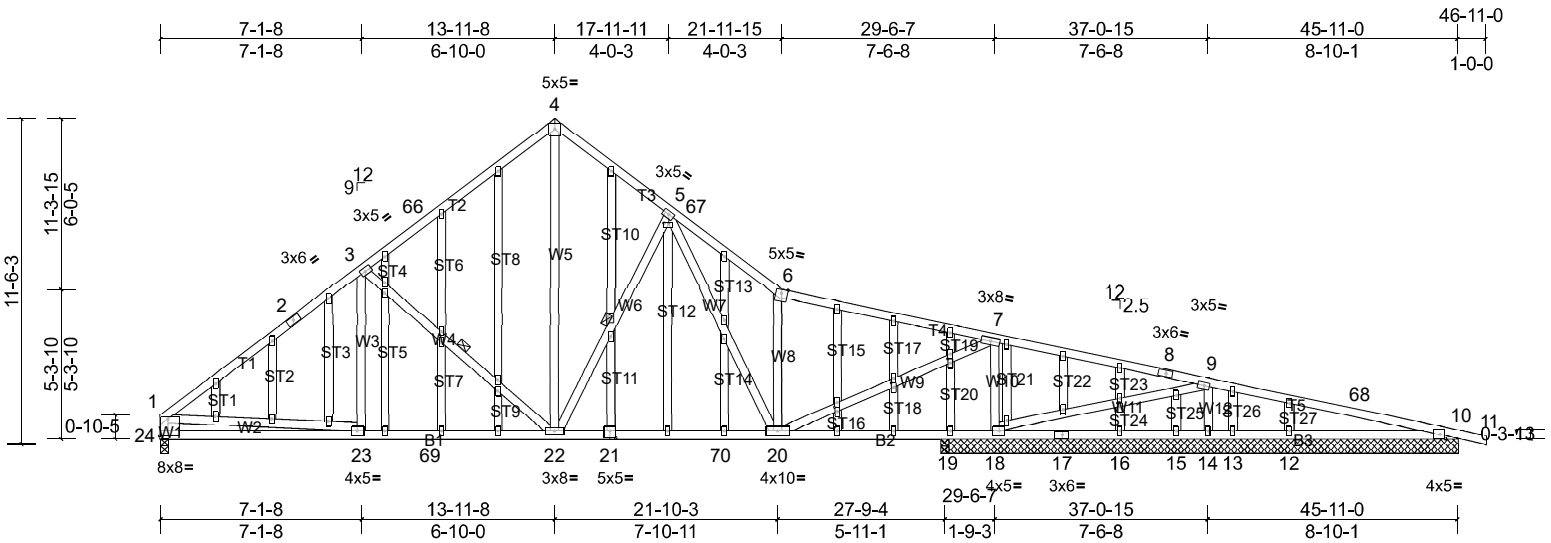
WEBS 6-19=-865/124, 1-23=0/595, 3-22=-534/166, 4-22=-140/501, 6-20=0/409, 7-19=-125/1676, 7-17=-1719/254, 8-17=-1674/174, 8-14=0/319, 10-14=-725/71

NOTES

1) 2x4 SP No.1 bearing block 12" long at jt. 17 attached to front face with 2 rows of 10d (0.131"x3") nails spaced 3" o.c. 8 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=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=46ft; eave=6ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 0-1-12 to 4-8-14, Interior (1) 4-8-14 to 13-11-8, Exterior (2) 13-11-8 to 18-6-10, Interior (1) 18-6-10 to 46-11-0 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
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 81 lb uplift at joint 24, 205 lb uplift at joint 17 and 70 lb uplift at joint 11.
6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Wiggins Resd-Wiggins Resd
Q-2201036-1	T1ESE	Roof Special Structural Gable	1	1	Job Reference (optional)



Scale = 1:81.6

Plate Offsets (X, Y): [5:0-2-0,0-0-4], [21:0-2-8,0-3-0], [24:Edge,0-7-4], [48:0-1-13,0-1-0], [51:0-1-13,0-1-0], [53:0-1-13,0-1-0], [59:0-1-9,0-1-0]

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	0.59	Vert(LL)	-0.16	20-22	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.61	Vert(CT)	-0.28	20-22	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.69	Horz(CT)	0.02	19	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS							Weight: 372 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 18-3-8. except 24=0-3-8
(lb) - Max Horiz 24=-205 (LC 9)
Max Uplift All uplift 100 (lb) or less at joint(s) 10, 15, 24, 63 except 13=-203 (LC 1), 14=-113 (LC 11), 18=-234 (LC 11)
Max Grav All reactions 250 (lb) or less at joint(s) 13, 15, 16, 19 except 10=278 (LC 21), 12=313 (LC 1), 14=479 (LC 21), 18=1591 (LC 1), 24=1100 (LC 1), 63=278 (LC 21)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-7-7 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 10-0-0 oc bracing: 23-24,22-23,20-22.
WEBS	1 Row at midpt 3-22, 5-22

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.

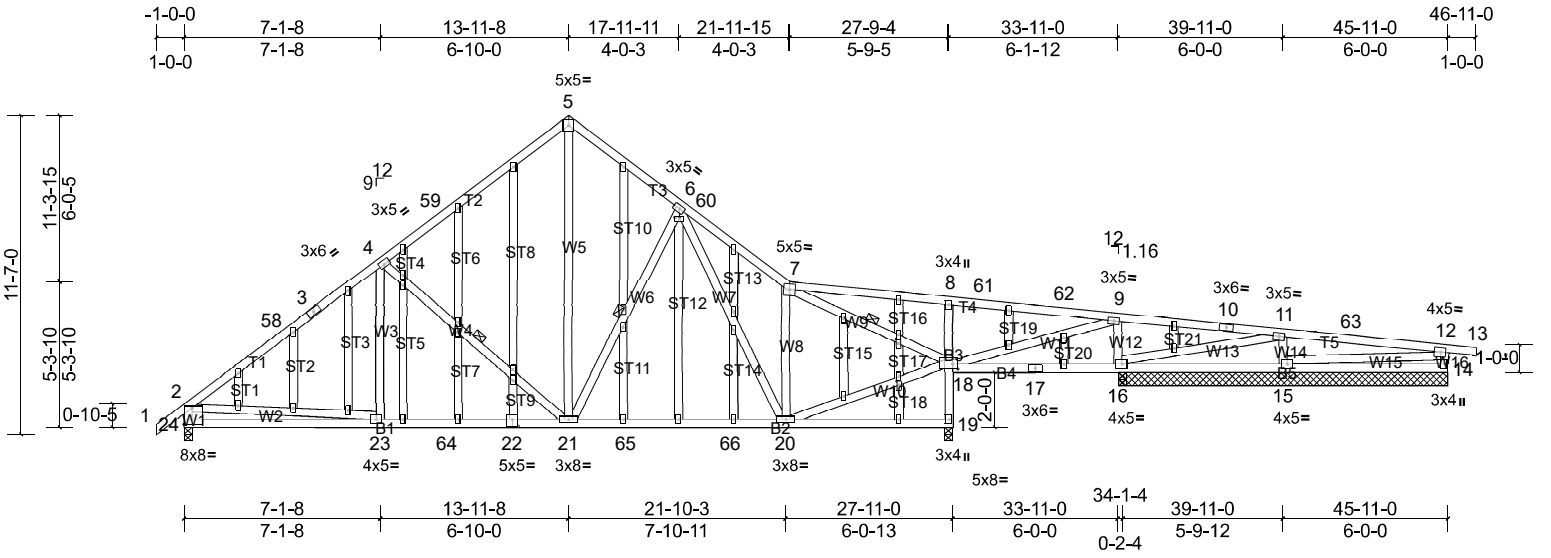
TOP CHORD	1-2=-1407/129, 2-3=-1196/158, 3-66=-1022/176, 4-66=-898/221, 4-5=-964/239, 5-67=-1222/247, 6-67=-1334/232, 6-7=-1110/137, 7-8=-44/551, 8-9=-61/482, 1-24=-1031/132
BOT CHORD	23-24=-44/427, 23-69=-5/1160, 22-69=-5/1160, 21-22=0/906, 21-70=0/906, 20-70=0/906, 19-20=-502/141, 18-19=-502/141
WEBS	3-22=-495/169, 4-22=-160/814, 5-22=-387/154, 5-20=-72/382, 6-20=-857/213, 7-20=-136/1690, 7-18=-1482/246, 9-18=-390/101, 9-14=-340/114, 1-23=0/799

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=46ft; eave=6ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 0-1-12 to 4-8-14, Interior (1) 4-8-14 to 13-11-8, Exterior (2) 13-11-8 to 18-6-10, Interior (1) 18-6-10 to 46-11-0 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 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, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 24, 15, 10, 10 except (jt=lb) 18=234, 14=112, 13=202.
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Wiggins Resd-Wiggins Resd
Q-2201036-1	T1FSE	Roof Special Structural Gable	1	1	Job Reference (optional)



Scale = 1:83.7

Plate Offsets (X, Y): [6:0-2-0,0-0-4], [18:0-2-4,0-2-0], [22:0-2-8,0-3-0], [24:Edge,0-7-4], [49:0-1-14,0-1-0], [51:0-1-12,0-1-0]

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	0.67	Vert(LL)	-0.14	20-21	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.46	Vert(CT)	-0.23	20-21	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.38	Horz(CT)	0.02	19	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS							Weight: 380 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.1
BOT CHORD	2x4 SP No.1 *Except* B3:2x4 SP No.3
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3

BRACING

TOP CHORD	Structural wood sheathing directly applied or 5-0-4 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 4-6-8 oc bracing.
WEBS	1 Row at midpt 4-21, 6-21, 7-18

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. except 24=0-3-8, 19=0-3-8
(lb) - Max Horiz 24=-173 (LC 9)
Max Uplift All uplift 100 (lb) or less at joint(s) 14, 15, 16 except 19=-162 (LC 11), 24=-123 (LC 11)
Max Grav All reactions 250 (lb) or less at joint(s) except 14=271 (LC 21), 15=470 (LC 21), 16=445 (LC 21), 19=1484 (LC 1), 24=1137 (LC 1)

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

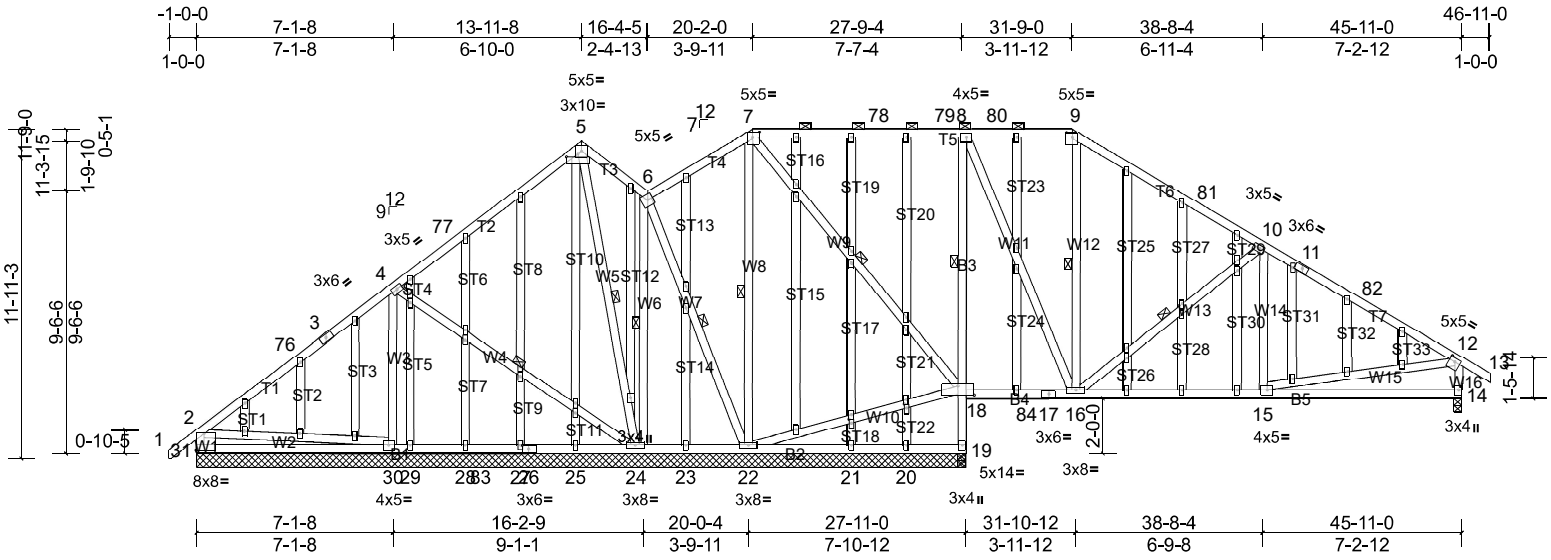
TOP CHORD	2-58=-1356/120, 3-58=-1237/121, 3-4=-1152/147, 4-59=-964/162, 5-59=-844/206, 5-6=-915/226, 6-60=-1049/199, 7-60=-1157/183, 7-8=-37/361, 8-61=-56/366, 61-62=-58/351, 9-62=-62/340, 2-24=-1069/160
BOT CHORD	23-24=-169/481, 23-64=-67/1089, 22-64=-67/1089, 21-22=-67/1089, 21-65=-3/812, 65-66=-3/812, 20-66=-3/812, 18-19=-1434/189, 8-18=-393/125
WEBS	4-21=-490/165, 5-21=-143/747, 6-21=-322/138, 7-20=-301/125, 18-20=-22/956, 7-18=-1392/151, 2-23=0/699, 9-16=-289/90, 11-15=-327/106

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=46ft; eave=6ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) -1-0-0 to 3-7-2, Interior (1) 3-7-2 to 13-11-8, Exterior (2) 13-11-8 to 18-6-10, Interior (1) 18-6-10 to 46-11-0 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 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, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14, 16, 15 except (jt=lb) 24=122, 19=162.
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Wiggins Resd-Wiggins Resd
Q-2201036-1	T1SE	Piggyback Base Structural Gable	1	1	Job Reference (optional)



Scale = 1:83.6

Plate Offsets (X, Y): [5:0-5-0,0-1-5], [7:0-3-0,0-2-4], [9:0-2-8,0-2-1], [12:0-2-4,0-2-0], [18:0-7-0,0-4-0], [26:0-2-10,0-1-8], [31:Edge,0-7-4], [37:0-1-10,0-1-0], [39:0-1-10,0-1-0]

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	0.56	Vert(LL)	-0.02	15-16	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.46	Vert(CT)	-0.07	15-16	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.25	Horz(CT)	0.01	14	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS							Weight: 544 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1 *Except* B3:2x4 SP No.3
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

REACTIONS All bearings 27-11-0. except 14=0-3-8
(lb) - Max Horiz 31=-201 (LC 9)
Max Uplift All uplift 100 (lb) or less at joint(s) 14, 19, 31 except 22=-113 (LC 11), 24=-142 (LC 11), 29=-154 (LC 9)
Max Grav All reactions 250 (lb) or less at joint(s) 20, 21, 23, 25, 27, 28, 29 except 14=770 (LC 1), 19=1063 (LC 1), 22=424 (LC 24), 24=385 (LC 23), 30=628 (LC 23), 31=427 (LC 23)

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.): 7-9.
BOT CHORD Rigid ceiling directly applied or 5-4-12 oc bracing. Except:
1 Row at midpt 8-18
WEBS 1 Row at midpt 4-24, 5-24, 6-24, 6-22, 7-22, 7-18, 9-16, 10-16

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 2-76=-312/23, 4-77=-253/61, 8-80=-273/156, 9-80=-273/156, 9-81=-268/136, 10-81=-380/98, 10-11=-616/104, 11-82=-705/82, 12-82=-809/80, 12-14=-704/127, 2-31=-366/94
BOT CHORD 30-31=-150/432, 18-19=-1045/109, 8-18=-961/175, 15-16=0/613
WEBS 4-30=-364/96, 7-22=-300/48, 8-16=-55/599, 10-16=-499/140, 12-15=0/463, 2-30=-271/178

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=46ft; eave=6ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) -0-11-7 to 3-7-11, Interior (1) 3-7-11 to 13-11-8, Exterior (2) 13-11-8 to 16-4-5, Interior (1) 16-4-5 to 20-2-0, Exterior (2) 20-2-0 to 24-9-1, Interior (1) 24-9-1 to 31-9-0, Exterior (2) 31-9-0 to 36-4-2, Interior (1) 36-4-2 to 46-11-0 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) Provide adequate drainage to prevent water ponding.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable studs spaced at 2-0-0 oc.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 31, 19, 14 except (jt=lb) 24=141, 22=113, 29=153.
9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Wiggins Resd-Wiggins Resd
Q-2201036-1	T2	Common	3	1	Job Reference (optional)

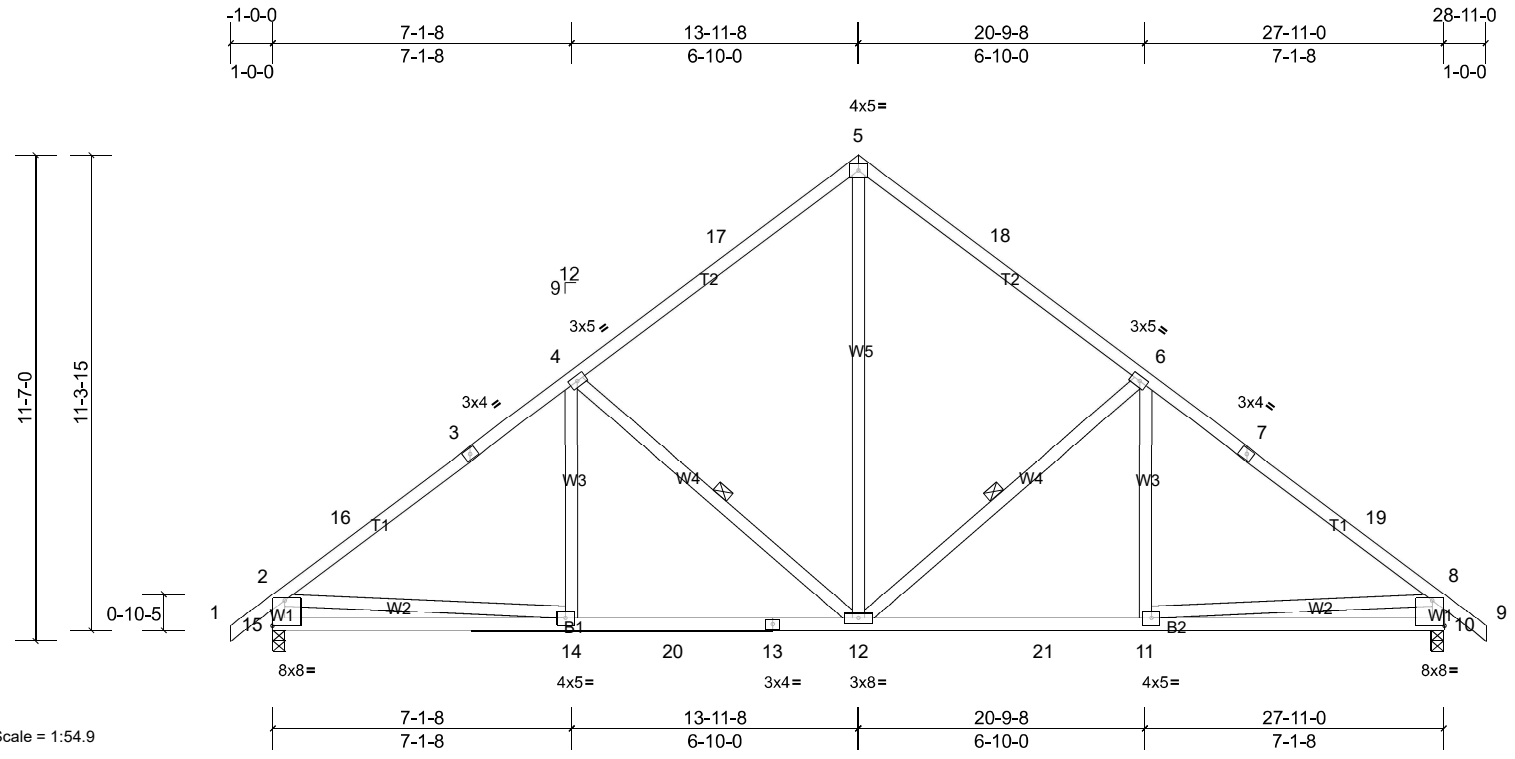


Plate Offsets (X, Y): [10:Edge,0-7-4], [15:Edge,0-7-4]

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	0.69	Vert(LL)	-0.05	11-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.32	Vert(CT)	-0.11	12-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.30	Horz(CT)	0.03	10	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS							Weight: 178 lb	FT = 20%

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

REACTIONS (lb/size) 10=1174/0-3-8, (min. 0-1-13), 15=1174/0-3-8, (min. 0-1-13)
Max Horiz 15=205 (LC 10)
Max Uplift 10=-134 (LC 11), 15=-134 (LC 11)

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-0-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-12, 6-12

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

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-16=-1412/118, 3-16=-1290/136, 3-4=-1186/163, 4-17=-1021/204, 5-17=-883/226, 5-18=-883/226, 6-18=-1021/204, 6-7=-1186/163, 7-19=-1290/136, 8-19=-1412/118, 2-15=-1107/171, 8-10=-1107/171
BOT CHORD 14-15=-99/494, 14-20=0/1125, 13-20=0/1125, 12-13=0/1125, 12-21=0/1032, 11-21=0/1032, 10-11=-84/392
WEBS 2-14=0/723, 8-11=0/732, 4-12=-489/159, 5-12=-129/712, 6-12=-489/159

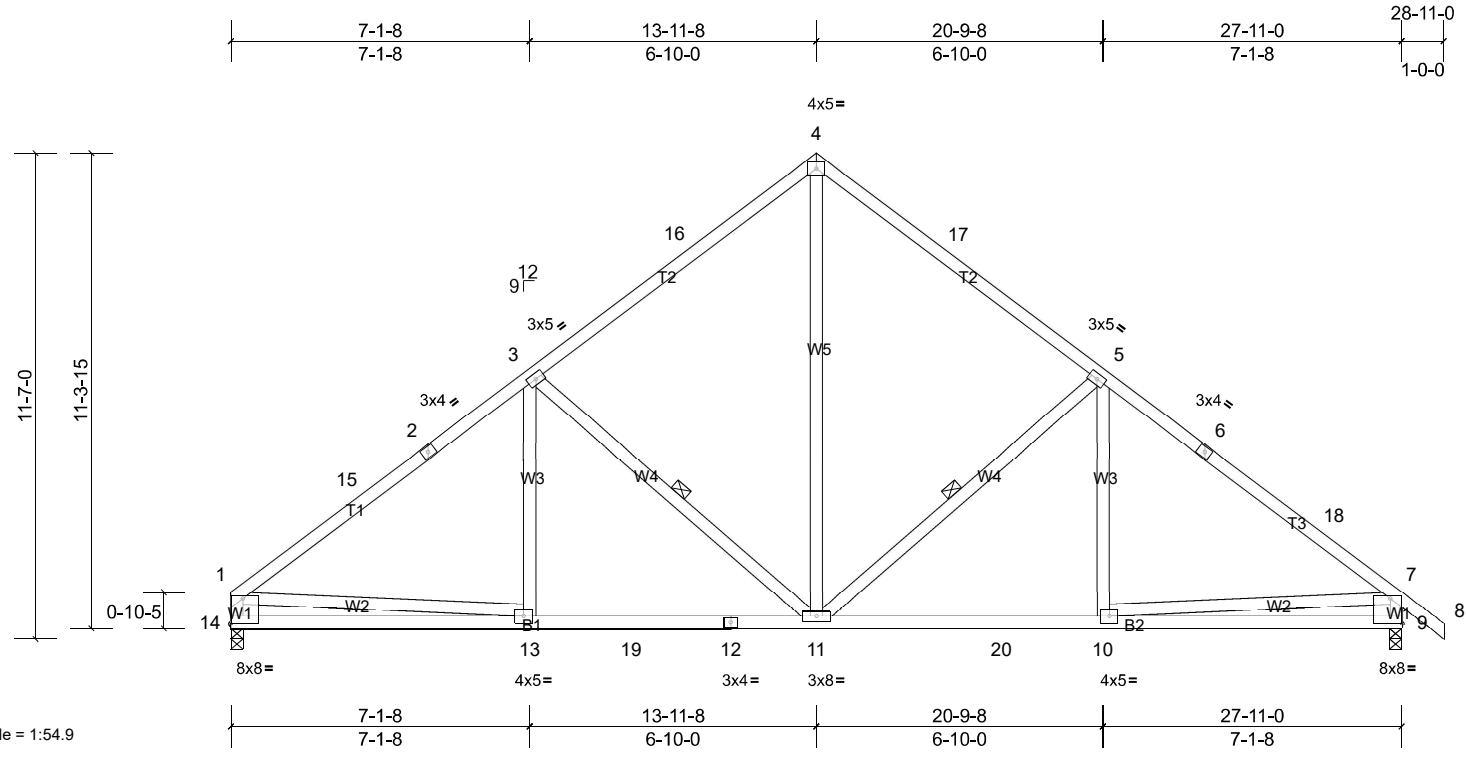
NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=28ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) -1-0-0 to 2-0-0, Interior (1) 2-0-0 to 13-11-8, Exterior (2) 13-11-8 to 16-11-8, Interior (1) 16-11-8 to 28-11-0 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 134 lb uplift at joint 15 and 134 lb uplift at joint 10.
5) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Wiggins Resd-Wiggins Resd
Q-2201036-1	T2A	Common	2	1	Job Reference (optional)

Peak Truss Builders LLC, New Hill, user — Run: 8.43 S Feb 3 2021 Print: 8.430 S Feb 3 2021 MiTek Industries, Inc. Tue May 24 14:33:49 — Page: 1

ID:SgJ1jEzq77Q6vp_1zlYTTEzDKAZ-x7_BAHEFzE8ux4ruoc49lCM6TW86MuGuUlmH8ozDGtm



Scale = 1:54.9

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

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	0.69	Vert(LL)	-0.05	11-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.32	Vert(CT)	-0.11	11-13	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.31	Horz(CT)	0.03	9	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS							Weight: 176 lb	FT = 20%

LUMBER

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

REACTIONS (lb/size) 9=1175/0-3-8, (min. 0-1-13), 14=1104/0-3-8, (min. 0-1-12)
Max Horiz 14=-201 (LC 9)
Max Uplift 9=-134 (LC 11), 14=-97 (LC 11)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-7-1 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 3-11, 5-11

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.

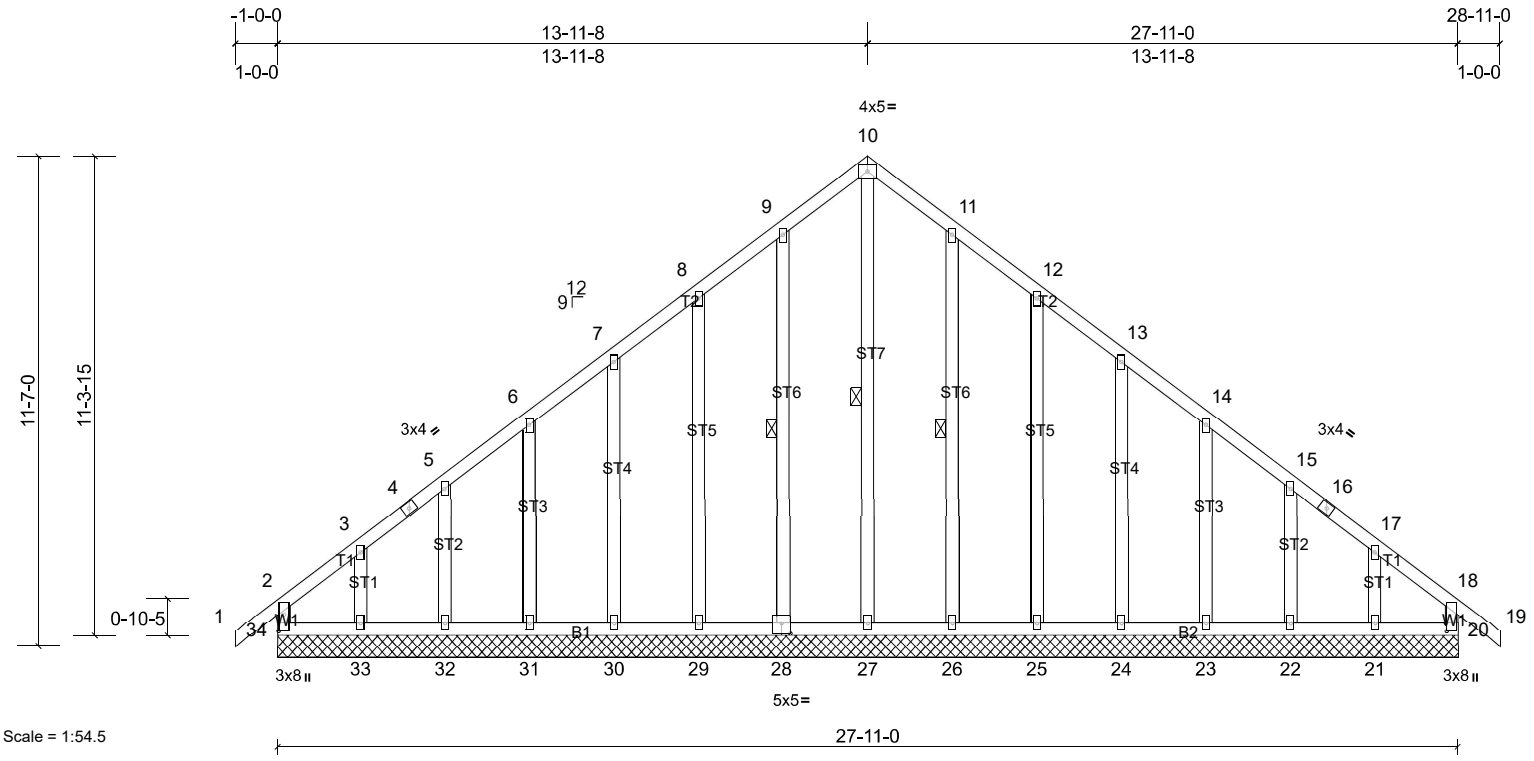
TOP CHORD	1-15=-1413/133, 2-15=-1301/134, 2-3=-1187/162, 3-16=-1025/183, 4-16=-887/228, 4-17=-885/226, 5-17=-1023/205, 5-6=-1188/164, 6-18=-1292/137, 7-18=-1414/118, 1-14=-1036/135, 7-9=-1108/172
BOT CHORD	13-14=-75/412, 13-19=0/1133, 12-19=0/1133, 11-12=0/1133, 11-20=0/1034, 10-20=0/1034, 9-10=-84/392
WEBS	1-13=0/789, 7-10=0/734, 3-11=-498/163, 4-11=-132/718, 5-11=-489/159

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=28ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 0-1-12 to 3-1-12, Interior (1) 3-1-12 to 13-11-8, Exterior (2) 13-11-8 to 16-11-8, Interior (1) 16-11-8 to 28-11-0 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 97 lb uplift at joint 14 and 134 lb uplift at joint 9.
5) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Wiggins Resd-Wiggins Resd
Q-2201036-1	T2GE	Common Supported Gable	1	1	Job Reference (optional)



Scale = 1:54.5

Plate Offsets (X, Y): [20:0-2-3,0-0-4], [28:0-2-8,0-3-0], [34:0-4-12,0-1-8]

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	0.13	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	0.16	Horz(CT)	0.01	20	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MR							Weight: 214 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.
WEBS	1 Row at midpt 10-27, 9-28, 11-26

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

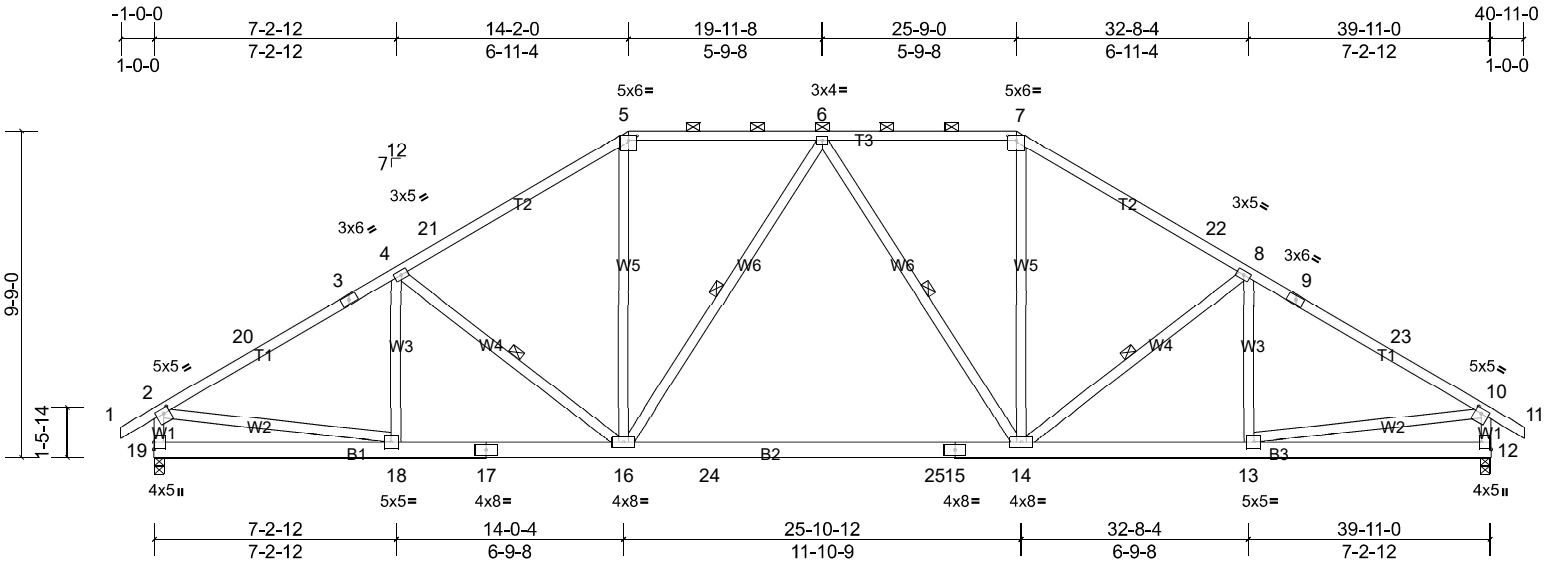
REACTIONS All bearings 27-11-0.
(lb) - Max Horiz 34=205 (LC 10)
Max Uplift All uplift 100 (lb) or less at joint(s) 20, 21, 22, 23, 24, 25, 26, 28, 29, 30, 31, 32, 33, 34
Max Grav All reactions 250 (lb) or less at joint(s) 20, 21, 22, 23, 24, 25, 26, 28, 29, 30, 31, 32, 33, 34 except 27=295 (LC 11)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 9-10=-222/275, 10-11=-222/275
WEBS 10-27=-270/158

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=28ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) -1-0-0 to 1-11-8, Exterior (2) 1-11-8 to 13-11-8, Corner (3) 13-11-8 to 16-11-8, Exterior (2) 16-11-8 to 28-11-0 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) 34, 20, 28, 29, 30, 31, 32, 33, 26, 25, 24, 23, 22, 21.
10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Wiggins Resd-Wiggins Resd
Q-2201036-1	T3	Piggyback Base	14	1	Job Reference (optional)



Scale = 1:68.9

Plate Offsets (X, Y): [2:0-2-0,0-1-12], [5:0-3-0,0-1-12], [7:0-3-0,0-1-12], [10:0-2-0,0-1-12], [12: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	0.74	Vert(LL)	-0.23	14-16	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.77	Vert(CT)	-0.42	14-16	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.65	Horz(CT)	0.05	12	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS							Weight: 284 lb	FT = 20%

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

REACTIONS (lb/size) 12=1654/0-3-8, (min. 0-2-10), 19=1654/0-3-8, (min. 0-2-10)
Max Horiz 19=-173 (LC 9)
Max Uplift 12=-176 (LC 11), 19=-176 (LC 11)

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-10-7 oc purlins, except end verticals, and 2-0-0 oc purlins (4-9-4 max.): 5-7.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-16, 8-14, 6-16, 6-14

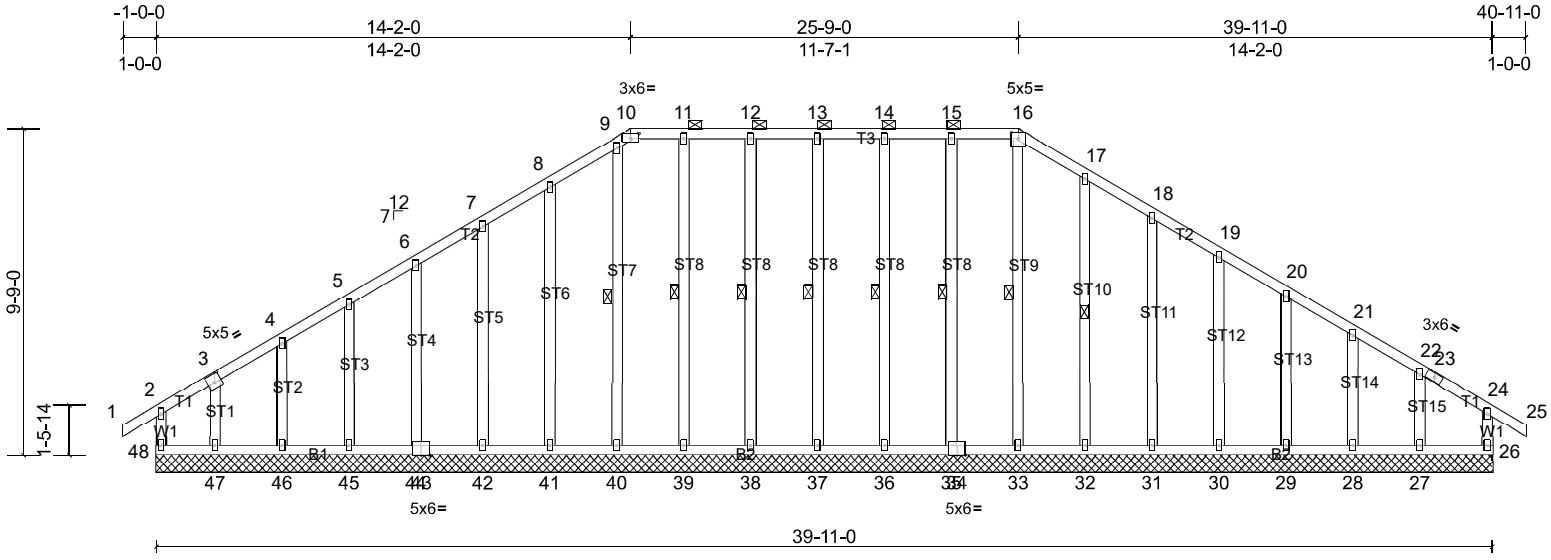
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-20=-2166/212, 3-20=-2063/215, 3-4=-1974/238, 4-21=-1930/235, 5-21=-1819/273, 5-6=-1571/274, 6-7=-1571/274, 7-22=-1819/273, 8-22=-1930/235, 8-9=-1974/238, 9-23=-2063/215, 10-23=-2166/212, 2-19=-1569/214, 10-12=-1569/214
BOT CHORD 18-19=-78/359, 17-18=-75/1826, 16-17=-75/1826, 16-24=-4/1698, 24-25=-4/1698, 15-25=-4/1698, 14-15=-4/1698, 13-14=-75/1782
WEBS 4-16=-304/136, 5-16=-18/627, 7-14=-18/627, 8-14=-304/136, 2-18=-42/1564, 10-13=-42/1564, 6-16=-350/67, 6-14=-350/67

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=40ft; eave=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) -1-0-0 to 2-11-14, Interior (1) 2-11-14 to 14-2-0, Exterior (2) 14-2-0 to 19-11-8, Interior (1) 19-11-8 to 25-9-0, Exterior (2) 25-9-0 to 31-4-12, Interior (1) 31-4-12 to 40-11-0 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, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 176 lb uplift at joint 19 and 176 lb uplift at joint 12.
6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 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	Wiggins Resd-Wiggins Resd
Q-2201036-1	T3GE	Piggyback Base Supported Gable	1	1	Job Reference (optional)



Scale = 1:68.9

Plate Offsets (X, Y): [3:0-2-8,0-3-0], [10:0-3-0,0-1-12], [16:0-2-8,0-2-1]

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	0.17	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.00	26	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MR							Weight: 317 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 (10-0-0 max.): 10-16.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 16-33, 15-35, 14-36, 13-37, 12-38, 11-39, 9-40, 17-32

REACTIONS All bearings 39-11-0.
(lb) - Max Horiz 48=175 (LC 10)
Max Uplift All uplift 100 (lb) or less at joint(s) 26, 27, 28, 29, 30, 31, 32, 35, 36, 37, 38, 41, 42, 44, 45, 46, 47, 48
Max Grav All reactions 250 (lb) or less at joint(s) 26, 27, 28, 29, 30, 31, 32, 33, 35, 36, 37, 38, 39, 40, 41, 42, 44, 45, 46, 47, 48

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 8-9=-205/280, 10-11=-184/259, 11-12=-184/259, 12-13=-184/259, 13-14=-184/259, 14-15=-184/259, 15-16=-184/259, 16-17=-208/283

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=40ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) -1-0-0 to 2-11-14, Exterior (2) 2-11-14 to 14-2-0, Corner (3) 14-2-0 to 18-1-14, Exterior (2) 18-1-14 to 25-9-0, Corner (3) 25-9-0 to 29-9-0, Exterior (2) 29-9-0 to 40-11-0 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) 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) 48, 26, 35, 36, 37, 38, 41, 42, 44, 45, 46, 47, 32, 31, 30, 29, 28, 27.
11) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard