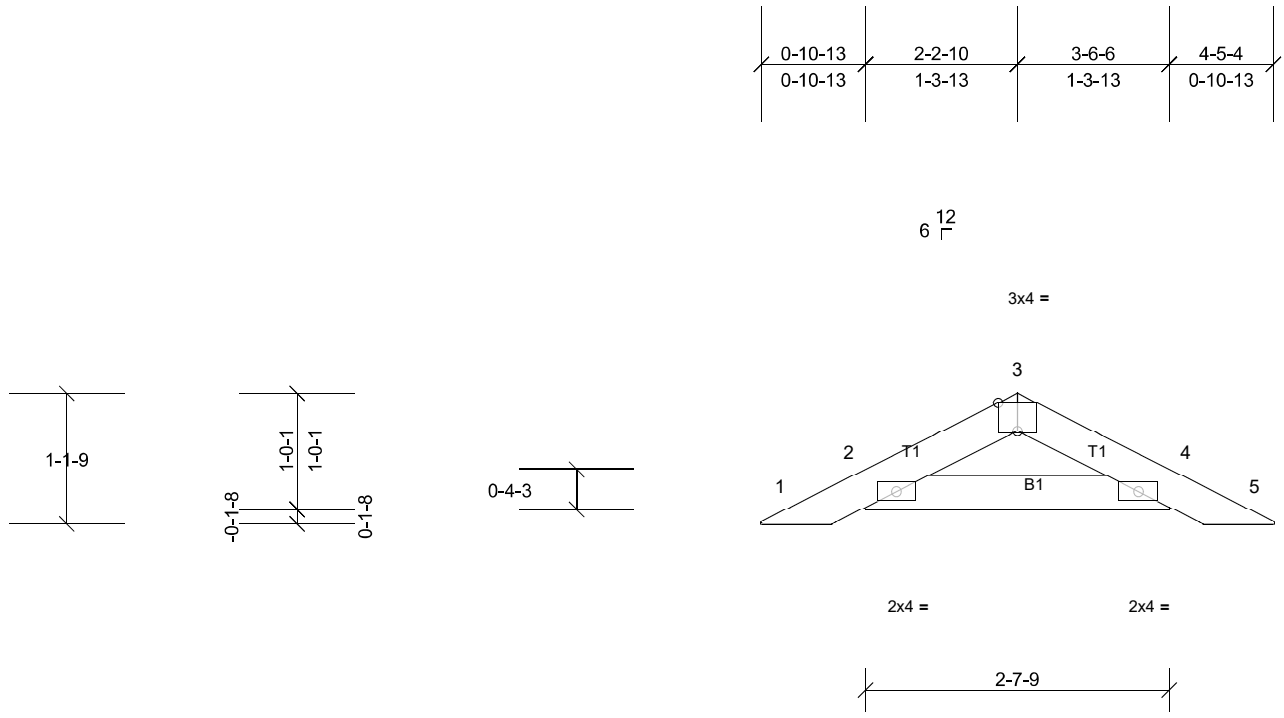
Job	Truss	Truss Type	Qty	Ply	Tommy Compton-Roof
Q-2200715-1	CAP1	Piggyback	20	1	Job Reference (optional)



Scale = 1:20

Plate Offsets (X, Y): [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	0.02	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.03	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MP							Weight: 11 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 4-6-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS All bearings 2-7-9.
(lb) - Max Horiz 2=-13 (LC 9), 6=-13 (LC 9)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 4, 6, 10
Max Grav All reactions 250 (lb) or less at joint(s) 2, 4, 6, 10

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) 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 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	Tommy Compton-Roof
Q-2200715-1	T1C	Piggyback Base	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. Wed Apr 27 16:51:44 — Page: 1

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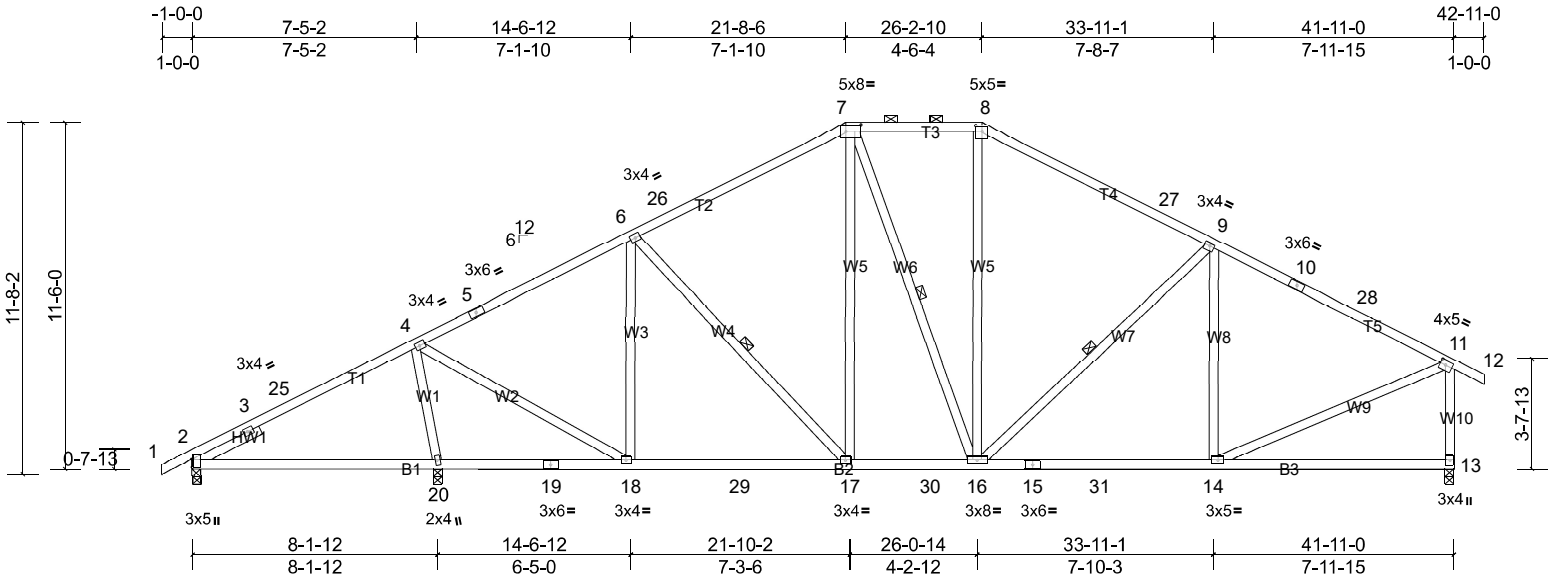


Scale = 1:76.6

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

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	0.81	Vert(LL)	0.05	20-23	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.47	Vert(CT)	-0.11	20-23	>878	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.52	Horz(CT)	0.04	13	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
SLIDER	Left 2x4 SP No.3 -- 2-6-0

REACTIONS (lb/size) 2=517/0-3-8, (min. 0-1-8), 13=1445/0-3-8, (min. 0-2-4), 20=1509/0-3-8, (min. 0-2-7)
Max Horiz 2=222 (LC 10)
Max Uplift 2=-91 (LC 11), 13=-162 (LC 11), 20=-110 (LC 11)
Max Grav 2=527 (LC 23), 13=1445 (LC 1), 20=1542 (LC 19)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-6-12 oc purlins, except end verticals, and 2-0-0 oc purlins (5-11-10 max.): 7-8.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 18-20.
WEBS	1 Row at midpt 6-17, 7-16, 9-16

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.

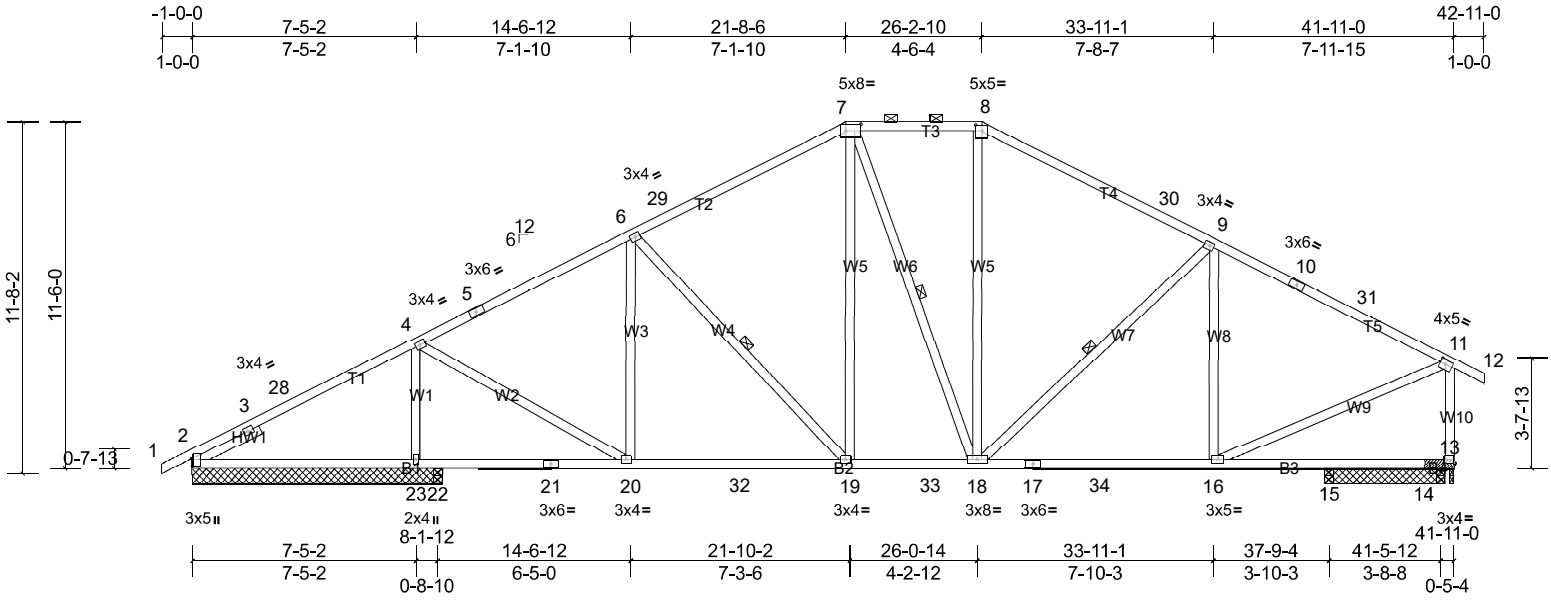
TOP CHORD	2-3=-335/0, 3-25=-448/105, 4-25=-440/128, 4-5=-1288/183, 5-6=-1134/218, 6-26=-1272/233, 7-26=-1183/267, 7-8=-1090/273, 8-27=-1206/266, 9-27=-1305/228, 9-10=-1305/205, 10-28=-1384/182, 11-28=-1463/179, 11-13=-1374/202
BOT CHORD	2-20=-158/412, 18-29=-59/1156, 17-29=-59/1156, 17-30=-9/1111, 16-30=-9/1111, 15-16=-33/1233, 15-31=-33/1233, 14-31=-33/1233
WEBS	4-20=-1398/187, 4-18=-20/1164, 6-18=-409/96, 7-17=-11/258, 8-16=-5/276, 9-16=-252/106, 9-14=-324/125, 11-14=-44/1278

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=42ft; eave=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) -1-0-0 to 3-2-5, Interior (1) 3-2-5 to 21-8-6, Exterior (2) 21-8-6 to 32-1-12, Interior (1) 32-1-12 to 42-11-0 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 91 lb uplift at joint 2, 110 lb uplift at joint 20 and 162 lb uplift at joint 13.
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	Tommy Compton-Roof
Q-2200715-1	T1D	Piggyback Base	1	1	Job Reference (optional)



Scale = 1:76.6

Plate Offsets (X, Y): [2:0-3-2,0-0-4], [7:0-6-0,0-2-8], [8:0-2-8,0-2-4], [11:0-2-0,0-1-12], [13: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)	0.04	23-26	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.49	Vert(CT)	-0.23	16-18	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.52	Horz(CT)	0.04	13	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
SLIDER	Left 2x4 SP No.3 -- 2-6-0

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-7-4 oc purlins, except end verticals, and 2-0-0 oc purlins (5-11-4 max.): 7-8.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 6-19, 7-18, 9-18

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

REACTIONS All bearings 8-3-8. except 13=4-0-0, 22=0-3-8, 15=0-3-8
(lb) - Max Horiz 2=222 (LC 10), 24=222 (LC 10)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 22, 24 except 13=-196 (LC 11), 23=-151 (LC 11)
Max Grav All reactions 250 (lb) or less at joint(s) 15, 22 except 2=461 (LC 23), 13=1396 (LC 20), 23=1691 (LC 19), 24=461 (LC 23)

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

TOP CHORD	3-28=-334/115, 4-28=-325/138, 4-5=-1353/203, 5-6=-1204/237, 6-29=-1293/246, 7-29=-1204/281, 7-8=-1102/284, 8-30=-1220/278, 9-30=-1318/241, 9-10=-1288/229, 10-31=-1367/206, 11-31=-1446/203, 11-13=-1363/220
BOT CHORD	2-23=-72/293, 22-23=-72/293, 21-22=-72/293, 20-21=-72/293, 20-32=-73/1219, 19-32=-73/1219, 19-33=-20/1134, 18-33=-20/1134, 17-18=-56/1220, 17-34=-56/1220, 16-34=-56/1220
WEBS	4-23=-1420/181, 4-20=-1/1076, 6-20=-347/90, 7-19=-19/285, 8-18=-10/283, 9-16=-377/110, 11-16=-62/1273

NOTES

1) 2x4 SP No.1 bearing block 12" long at jt. 13 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=42ft; eave=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) -1-0-0 to 3-2-5, Interior (1) 3-2-5 to 21-8-6, Exterior (2) 21-8-6 to 32-1-12, Interior (1) 32-1-12 to 42-11-0 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) Provide adequate drainage to prevent water ponding.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 22, 2 except (jt=lb) 23=150, 13=195.
7) 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.
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	Tommy Compton-Roof
Q-2200715-1	T1E	Piggyback Base	15	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. Wed Apr 27 16:51:45 — Page: 1

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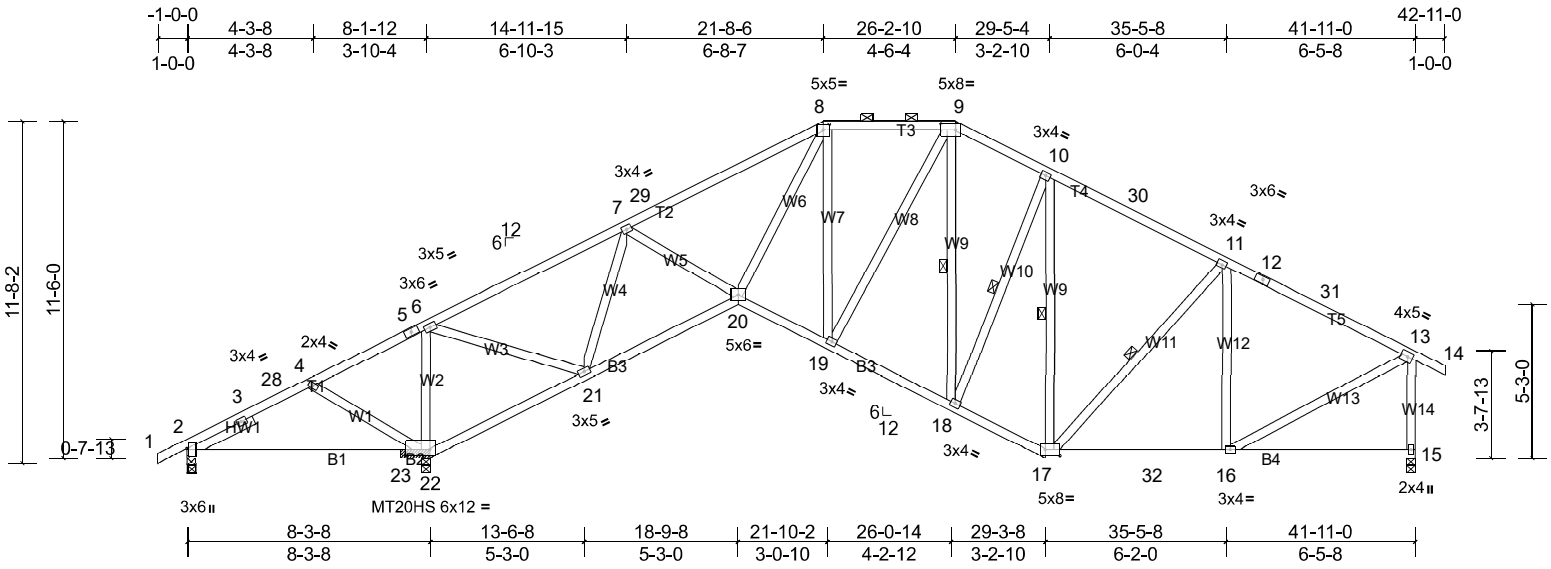

Scale = 1:78.7

Plate Offsets (X, Y): [2:0-3-6,0-0-8], [8:0-2-8,0-2-4], [9:0-6-0,0-2-8], [17:0-6-0,0-2-8], [22:0-10-0,0-2-8]

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	0.50	Vert(LL)	-0.07	20	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.30	Vert(CT)	-0.11	22-26	>942	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.79	Horz(CT)	0.10	15	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
SLIDER	Left 2x4 SP No.3 -- 2-6-0

REACTIONS (lb/size) 2=-192/0-3-8, (min. 0-1-8), 15=1264/0-3-8, (min. 0-2-0), 22=2399/(0-3-8 + bearing block), (req. 0-3-12)
Max Horiz 2=222 (LC 10)
Max Uplift 2=-242 (LC 24), 15=-147 (LC 11), 22=-185 (LC 11)
Max Grav 2=25 (LC 8), 15=1264 (LC 1), 22=2399 (LC 1)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-5-9 oc purlins, except end verticals, and 2-0-0 oc purlins (5-9-15 max.): 8-9.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 2-22 5-7-3 oc bracing: 21-22.
WEBS	1 Row at midpt 9-18, 10-18, 10-17, 11-17

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=-291/0, 3-28=-94/841, 4-28=-89/892, 4-5=-117/1110, 5-6=-98/1207, 6-7=-554/113, 7-29=-1636/124, 8-29=-1534/157, 8-9=-1071/205, 9-10=-1091/251, 10-30=-1020/234, 11-30=-1109/205, 11-12=-985/174, 12-31=-1052/157, 13-31=-1133/156, 13-15=-1207/179
BOT CHORD	2-23=-705/29, 22-23=-705/29, 21-22=-1236/128, 20-21=-34/898, 19-20=0/1212, 18-19=0/1055, 17-18=0/1031, 17-32=-19/944, 16-32=-19/944
WEBS	4-22=-377/77, 6-22=-1530/165, 6-21=-53/1580, 7-21=-1372/134, 7-20=0/703, 8-20=0/679, 8-19=-306/50, 9-19=-4/345, 10-17=-338/17, 11-16=-353/104, 13-16=-36/1034

NOTES

1) 2x4 SP No.1 bearing block 12" long at jt. 22 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=42ft; eave=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) -1-0-0 to 3-2-5, Interior (1) 3-2-5 to 21-8-6, Exterior (2) 21-8-6 to 32-1-12, Interior (1) 32-1-12 to 42-11-0 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) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
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 242 lb uplift at joint 2, 185 lb uplift at joint 22 and 147 lb uplift at joint 15.
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) 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	Tommy Compton-Roof
Q-2200715-1	T2	Common	13	1	Job Reference (optional)

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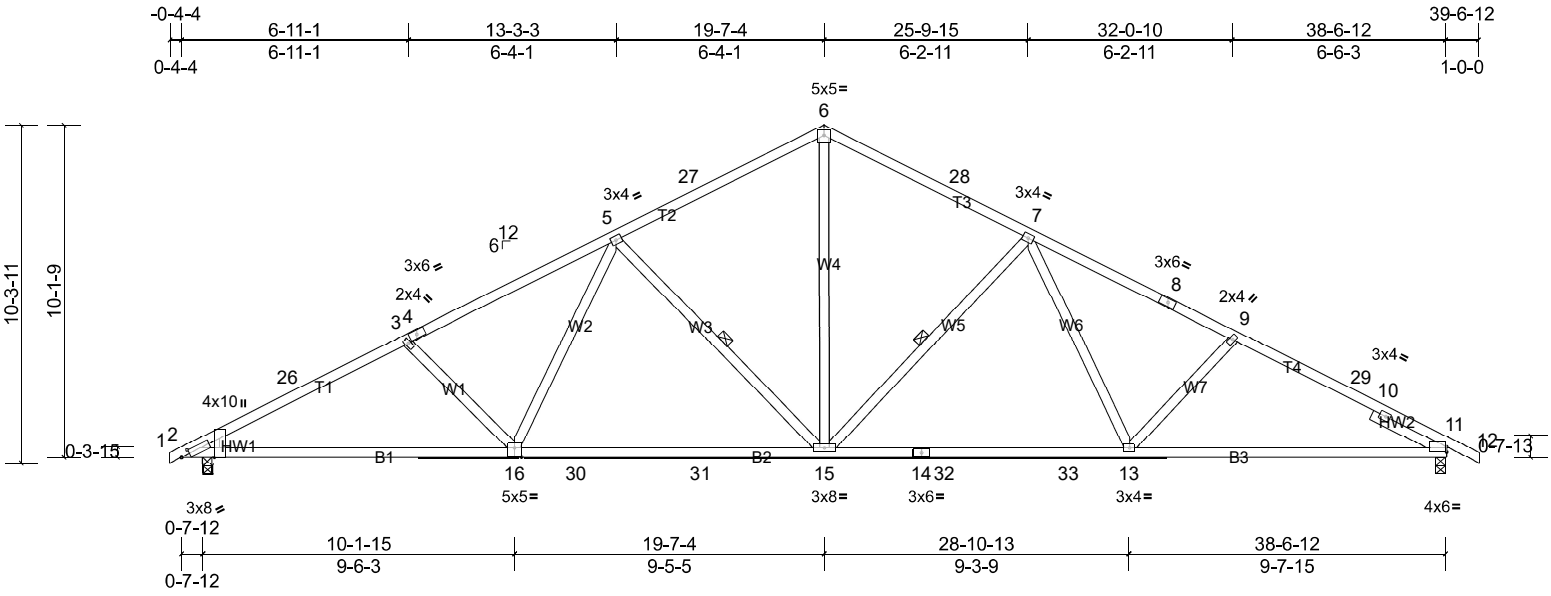


Scale = 1:70.3

Plate Offsets (X, Y): [2:0-3-3,0-1-8], [11:Edge,0-1-14], [16:0-2-8,0-3-4]

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	0.61	Vert(LL)	-0.30	15-16	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.81	Vert(CT)	-0.54	15-16	>855	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.50	Horz(CT)	0.11	11	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS							Weight: 204 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 3-1-11 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 5-15, 7-15

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

REACTIONS (lb/size) 2=1590/0-3-8, (min. 0-2-8), 11=1577/0-3-8, (min. 0-2-8)
Max Horiz 2=-150 (LC 9)
Max Uplift 2=-150 (LC 11), 11=-166 (LC 11)

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

TOP CHORD 2-26=-2660/257, 3-26=-2562/284, 3-4=-2425/241, 4-5=-2415/276, 5-27=-1759/245, 6-27=-1664/276, 6-28=-1664/276, 7-28=-1757/246, 7-8=-2347/279, 8-9=-2423/256, 9-29=-2592/283, 10-29=-2614/259, 10-11=-1071/0

BOT CHORD 2-16=-164/2348, 16-30=-74/1989, 30-31=-74/1989, 15-31=-74/1989, 14-15=-71/1932, 14-32=-71/1932, 32-33=-71/1932, 13-33=-71/1932, 11-13=-160/2281

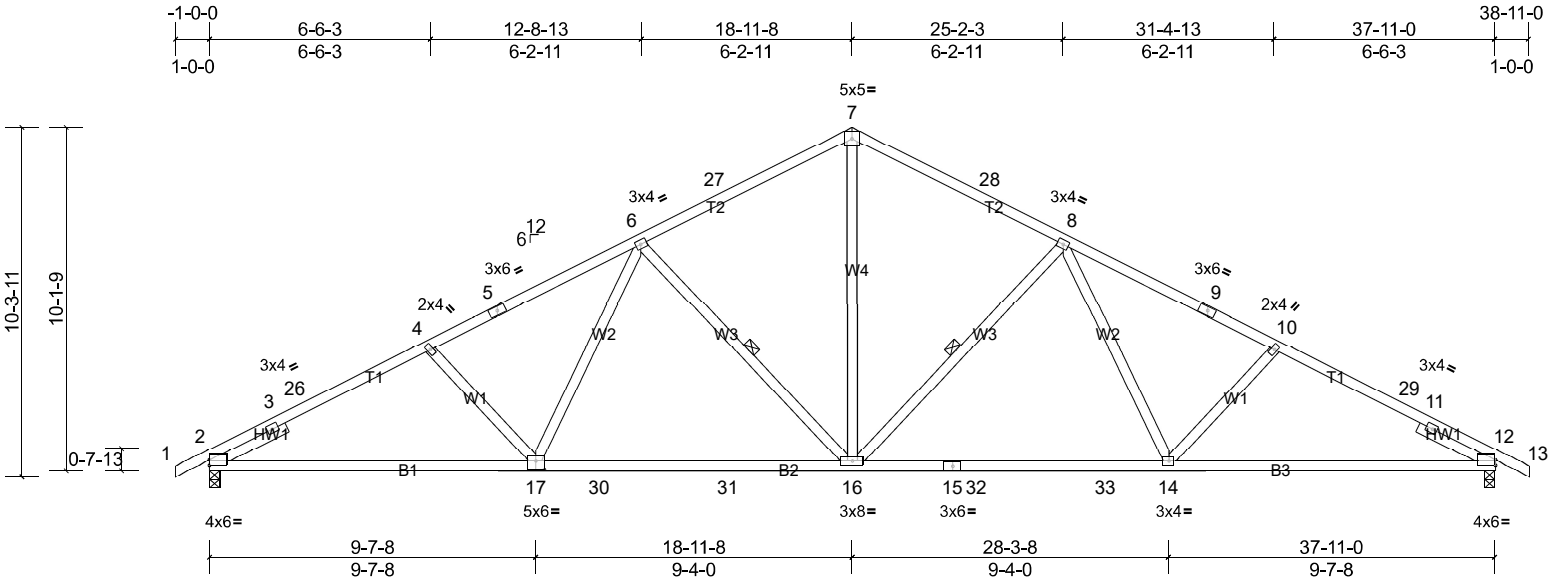
WEBS 3-16=-288/140, 5-16=0/443, 5-15=-673/164, 6-15=-127/1205, 7-15=-672/162, 7-13=0/458, 9-13=-286/138

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=39ft; eave=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 0-0-0 to 3-10-4, Interior (1) 3-10-4 to 19-11-8, Exterior (2) 19-11-8 to 23-9-12, Interior (1) 23-9-12 to 39-11-0 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 166 lb uplift at joint 11 and 150 lb uplift at joint 2.
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	Tommy Compton-Roof
Q-2200715-1	T2A	Common	1	1	Job Reference (optional)



Scale = 1:68

Plate Offsets (X, Y): [2:Edge,0-1-14], [12:Edge,0-1-14], [17:0-3-0,0-3-0]

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	0.49	Vert(LL)	-0.27	16-17	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.79	Vert(CT)	-0.49	16-17	>937	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.50	Horz(CT)	0.11	12	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS							Weight: 206 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=1577/0-3-8, (min. 0-2-8), 12=1577/0-3-8, (min. 0-2-8)
Max Horiz 2=148 (LC 10)
Max Uplift 2=-166 (LC 11), 12=-166 (LC 11)

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-3-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 8-16, 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=-1144/0, 3-26=-2615/259, 4-26=-2595/282, 4-5=-2425/256, 5-6=-2350/279, 6-27=-1756/246, 7-27=-1663/276, 7-28=-1663/276, 8-28=-1756/246, 8-9=-2350/279, 9-10=-2425/256, 10-29=-2595/282, 11-29=-2615/259, 11-12=-1066/0
BOT CHORD 2-17=-159/2337, 17-30=-71/1981, 30-31=-71/1981, 16-31=-71/1981, 15-16=-71/1932, 15-32=-71/1932, 32-33=-71/1932, 14-33=-71/1932, 12-14=-159/2282
WEBS 7-16=-128/1207, 8-16=-672/163, 8-14=0/461, 10-14=-285/138, 6-16=-672/163, 6-17=0/461, 4-17=-285/138

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=38ft; eave=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) -1-0-0 to 2-9-8, Interior (1) 2-9-8 to 18-11-8, Exterior (2) 18-11-8 to 22-9-0, Interior (1) 22-9-0 to 38-11-0 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 166 lb uplift at joint 2 and 166 lb uplift at joint 12.
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	Tommy Compton-Roof
Q-2200715-1	T2BGE	Common Supported Gable	1	1	Job Reference (optional)

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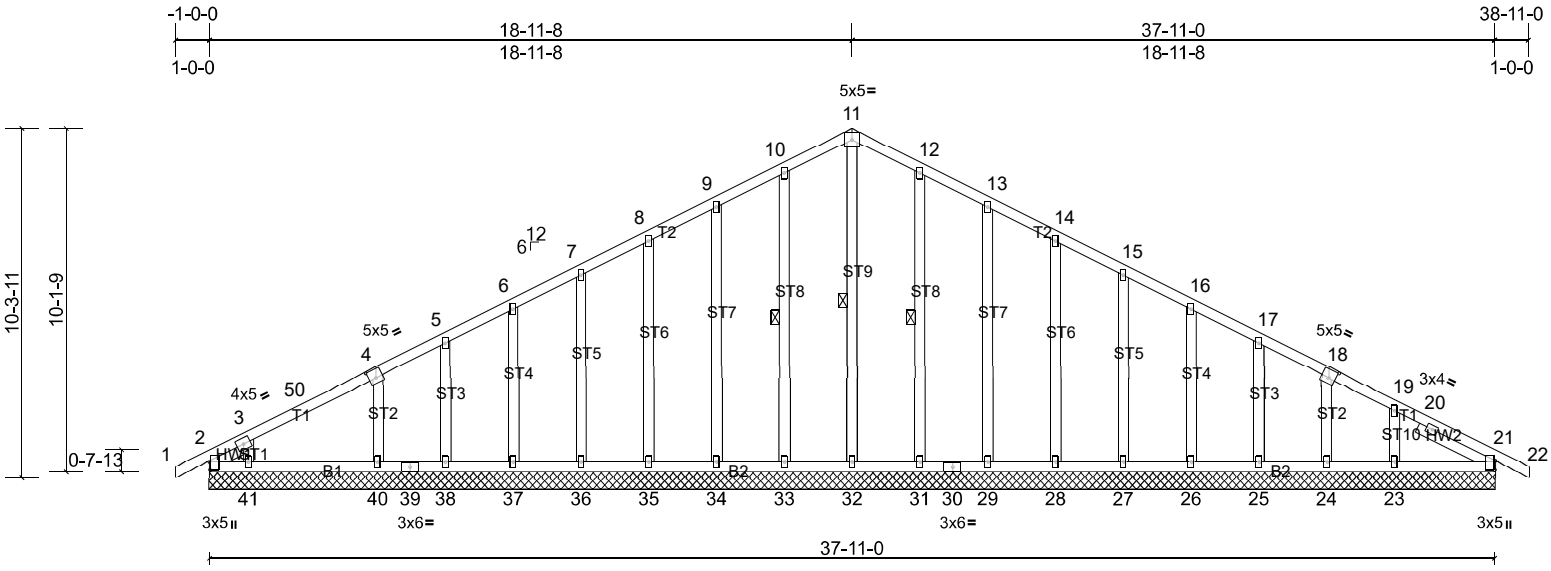
ID:nAylSqbUXhoIPhITW4mgVszMTkY-5WlWrN4BkTh0b73dQ6lRnHjf3peiXwv6bCB?K2zMTUR



Scale = 1:68

Plate Offsets (X, Y): [2:0-2-12,0-0-4], [4:0-2-8,0-3-0], [18:0-2-8,0-3-0], [21:0-3-2,0-0-4]

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	0.12	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	0.14	Horz(CT)	0.01	21	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS							Weight: 263 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.1
BOT CHORD	2x4 SP No.1
OTHERS	2x4 SP No.3
SLIDER	Left 2x4 SP No.3 -- 1-1-9, Right 2x4 SP No.3 -- 2-6-0

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.
WEBS	1 Row at midpt 11-32, 10-33, 12-31

REACTIONS All bearings 37-11-0.

(lb) - Max Horiz 2=148 (LC 10), 42=148 (LC 10)

Max Uplift All uplift 100 (lb) or less at joint(s) 2, 23, 24, 25, 26, 27, 28, 29, 31, 33, 34, 35, 36, 37, 38, 40, 41, 42

Max Grav All reactions 250 (lb) or less at joint(s) 2, 21, 23, 24, 25, 26, 27, 28, 29, 31, 32, 33, 34, 35, 36, 37, 38, 42, 46 except 40=259 (LC 20), 41=256 (LC 16)

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

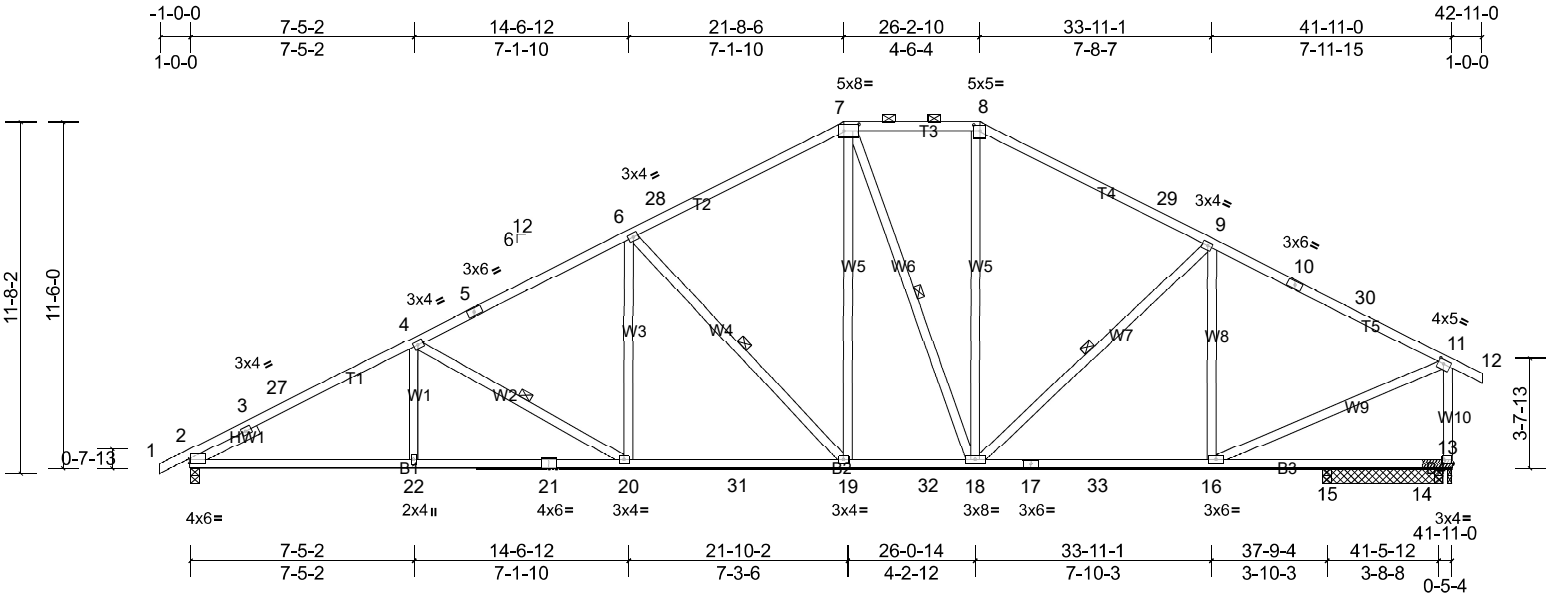
TOP CHORD 10-11=-94/252, 11-12=-94/257

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=38ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) -1-0-0 to 2-9-8, Exterior (2) 2-9-8 to 18-11-8, Corner (3) 18-11-8 to 22-11-8, Exterior (2) 22-11-8 to 38-11-0 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) 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.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 41, 33, 34, 35, 36, 37, 38, 40, 31, 29, 28, 27, 26, 25, 24, 23, 2.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Tommy Compton-Roof
Q-2200715-1	T4	Piggyback Base	1	1	Job Reference (optional)



Scale = 1:76.6

Plate Offsets (X, Y): [2:Edge,0-1-14], [7:0-6-0,0-2-8], [8:0-2-8,0-2-4], [11:0-2-0,0-1-12], [13: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	0.89	Vert(LL)	-0.18	19-20	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.69	Vert(CT)	-0.35	19-20	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.65	Horz(CT)	0.10	13	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
SLIDER	Left 2x4 SP No.3 -- 2-6-0

BRACING

TOP CHORD	Structural wood sheathing directly applied or 2-9-13 oc purlins, except end verticals, and 2-0-0 oc purlins (5-1-3 max.): 7-8.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 4-20, 6-19, 7-18, 9-18

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

REACTIONS (lb/size) 2=1719/0-3-8, (min. 0-2-11), 13=1635/4-0-0, (min. 0-2-9), 15=116/0-3-8, (min. 0-1-8)
Max Horiz 2=222 (LC 10)
Max Uplift 2=-182 (LC 11), 13=-212 (LC 11)

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

TOP CHORD 2-3=-1188/0, 3-27=-2903/275, 4-27=-2828/297, 4-5=-2463/274, 5-6=-2392/309, 6-28=-1833/282, 7-28=-1742/316, 7-8=-1468/309, 8-29=-1635/306, 9-29=-1734/268, 9-10=-1581/249, 10-30=-1660/226, 11-30=-1739/224, 11-13=-1616/237

BOT CHORD 2-22=-194/2616, 21-22=-194/2616, 20-21=-194/2616, 20-31=-96/2226, 19-31=-96/2226, 19-32=-32/1632, 18-32=-32/1632, 17-18=-63/1498, 17-33=-63/1498, 16-33=-63/1498

WEBS 4-20=-502/112, 6-20=0/476, 6-19=-876/161, 7-19=-54/809, 7-18=-398/42, 8-18=-23/473, 9-16=-520/119, 11-16=-82/1579

NOTES

1) 2x4 SP No.1 bearing block 12" long at jt. 13 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=42ft; eave=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) -1-0-0 to 3-2-5, Interior (1) 3-2-5 to 21-8-6, Exterior (2) 21-8-6 to 32-1-12, Interior (1) 32-1-12 to 42-11-0 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) Provide adequate drainage to prevent water ponding.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 182 lb uplift at joint 2 and 212 lb uplift at joint 13.
7) 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.
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	Tommy Compton-Roof
Q-2200715-1	T4A	Piggyback Base	1	1	Job Reference (optional)

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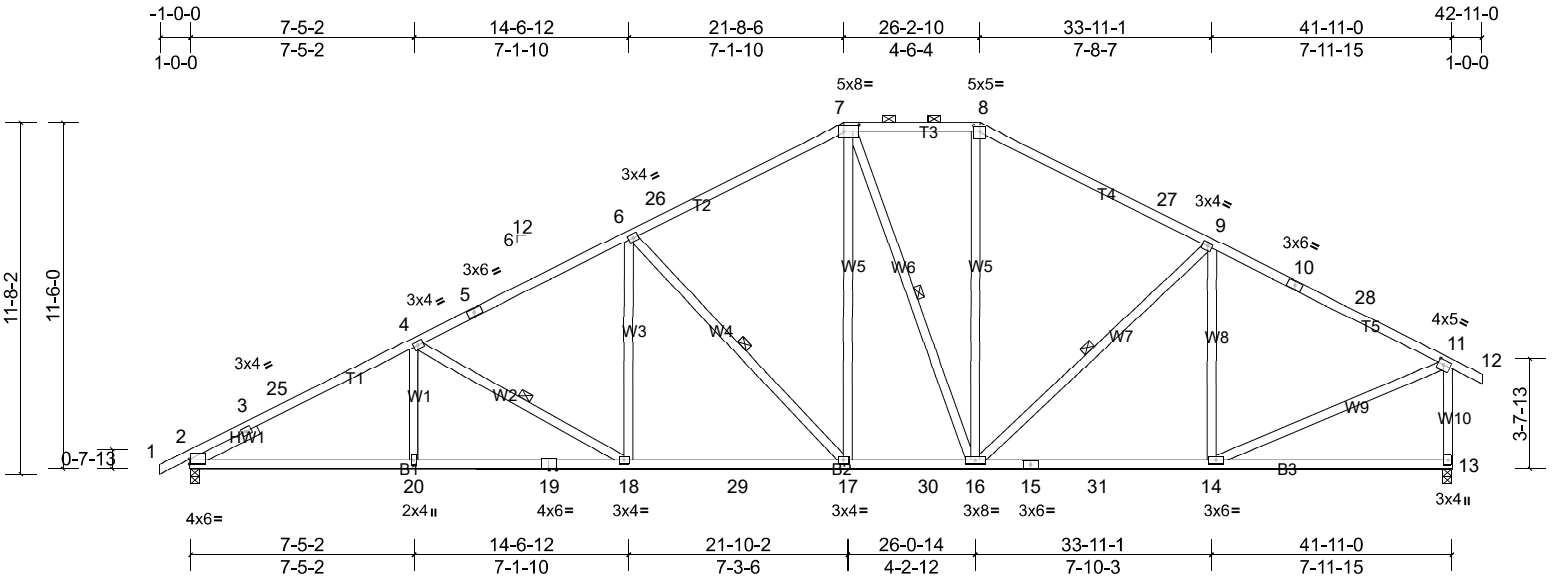

Scale = 1:76.6

Plate Offsets (X, Y): [2:Edge,0-1-14], [7:0-6-0,0-2-8], [8:0-2-8,0-2-4], [11:0-2-0,0-1-12]

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	0.92	Vert(LL)	-0.18	17-18	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.70	Vert(CT)	-0.35	17-18	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.66	Horz(CT)	0.10	13	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
SLIDER	Left 2x4 SP No.3 -- 2-6-0

BRACING

TOP CHORD	Structural wood sheathing directly applied or 2-9-7 oc purlins, except end verticals, and 2-0-0 oc purlins (5-0-12 max.): 7-8.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 4-18, 6-17, 7-16, 9-16

REACTIONS (lb/size) 2=1731/0-3-8, (min. 0-2-11), 13=1740/0-3-8, (min. 0-2-12)
Max Horiz 2=222 (LC 10)
Max Uplift 2=-179 (LC 11), 13=-184 (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 2-3=-1195/0, 3-25=-2926/269, 4-25=-2850/291, 4-5=-2482/268, 5-6=-2411/302, 6-26=-1852/275, 7-26=-1761/310, 7-8=-1486/303, 8-27=-1655/299, 9-27=-1761/262, 9-10=-1636/231, 10-28=-1715/208, 11-28=-1794/205, 11-13=-1668/223

BOT CHORD 2-20=-188/2632, 19-20=-188/2632, 18-19=-188/2632, 18-29=-91/2243, 17-29=-91/2243, 17-30=-25/1649, 16-30=-25/1649, 15-16=-43/1546, 15-31=-43/1546, 14-31=-43/1546

WEBS 4-18=-501/112, 6-18=0/475, 6-17=-875/161, 7-17=-52/815, 7-16=-394/43, 8-16=-20/482, 9-14=-463/135, 11-14=-69/1618

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=42ft; eave=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) -1-0-0 to 3-2-5, Interior (1) 3-2-5 to 21-8-6, Exterior (2) 21-8-6 to 32-1-12, Interior (1) 32-1-12 to 42-11-0 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 179 lb uplift at joint 2 and 184 lb uplift at joint 13.
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	Tommy Compton-Roof
Q-2200715-1	T6AGE	Common Supported Gable	1	1	Job Reference (optional)

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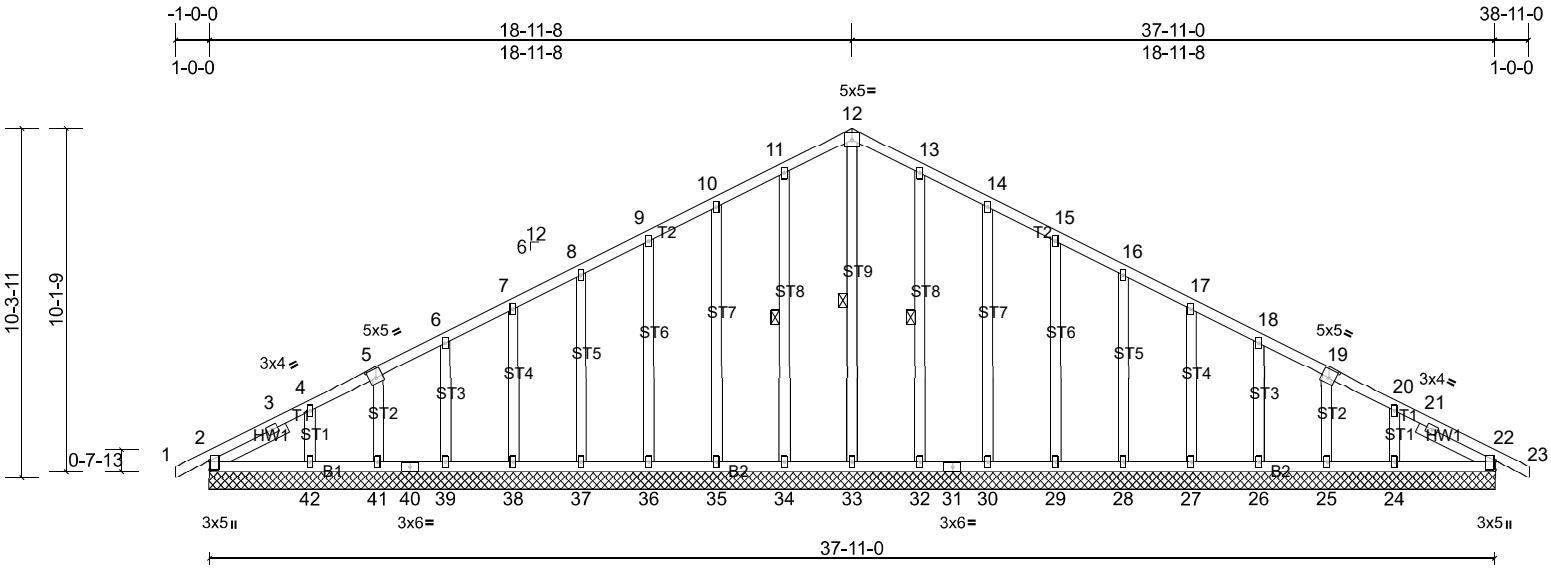

Scale = 1:68

Plate Offsets (X, Y): [2:0-3-2,0-0-4], [5:0-2-8,0-3-0], [19:0-2-8,0-3-0], [22:0-3-2,0-0-4]

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	0.05	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	0.14	Horz(CT)	0.01	22	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS							Weight: 266 lb	FT = 20%

LUMBER

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

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.
WEBS	1 Row at midpt 12-33, 11-34, 13-32

REACTIONS All bearings 37-11-0.

(lb) - Max Horiz 2=148 (LC 10), 43=148 (LC 10)

Max Uplift All uplift 100 (lb) or less at joint(s) 24, 25, 26, 27, 28, 29, 30, 32, 34, 35, 36, 37, 38, 39, 41, 42

Max Grav All reactions 250 (lb) or less at joint(s) 2, 22, 24, 25, 26, 27, 28, 29, 30, 32, 33, 34, 35, 36, 37, 38, 39, 41, 42, 43, 47

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

TOP CHORD 11-12=-98/257, 12-13=-98/259

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=38ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) -1-0-0 to 2-11-8, Exterior (2) 2-11-8 to 18-11-8, Corner (3) 18-11-8 to 22-11-8, Exterior (2) 22-11-8 to 38-11-0 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) 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.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 34, 35, 36, 37, 38, 39, 41, 42, 32, 30, 29, 28, 27, 26, 25, 24.
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.

LOAD CASE(S) Standard