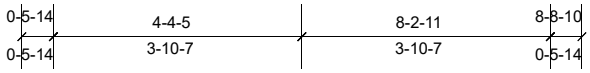
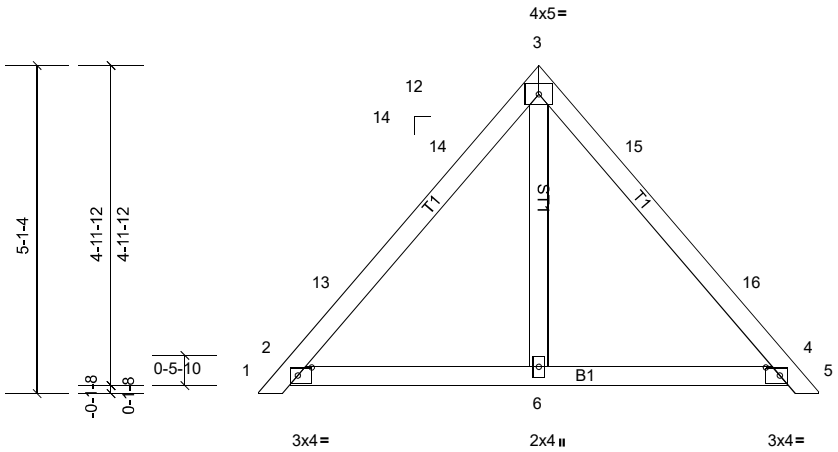
Job	Truss	Truss Type	Qty	Ply	225 Chicora Club-Roof
Q-2002369-1	CAP1	Piggyback	12	1	Job Reference (optional)





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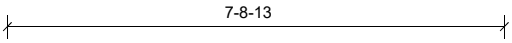


Plate Offsets (X, Y): [2:0-2-10,0-1-8], [4:0-2-10,0-1-8]

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	0.16	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.03	Horz(CT)	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
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.

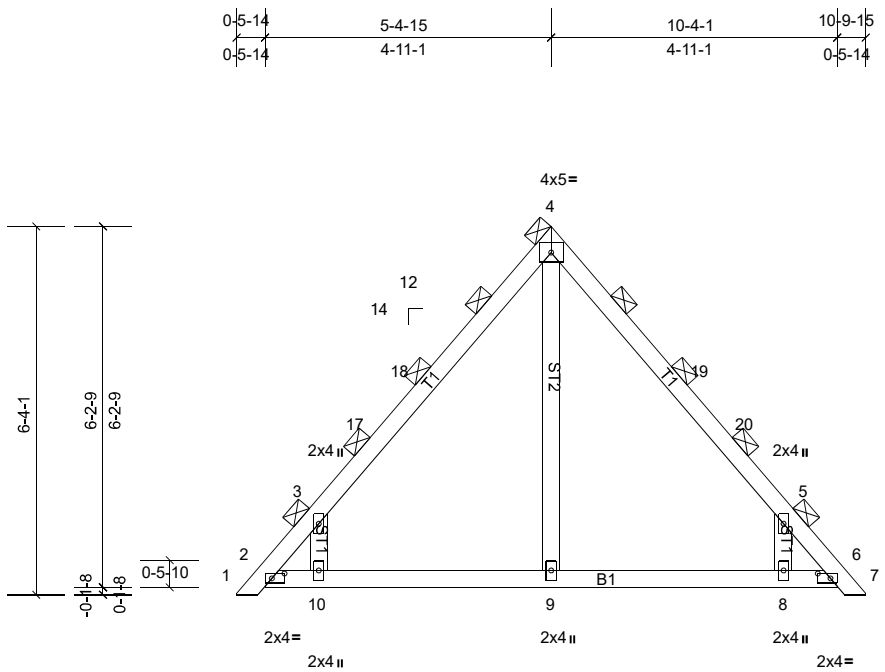
REACTIONS All bearings 7-8-13.
(lb) - Max Horiz 2=-108 (LC 9)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 4
Max Grav All reactions 250 (lb) or less at joint(s) 6, 2, 4

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) 0-2-7 to 3-2-7, Interior (1) 3-2-7 to 4-4-8, Exterior (2) 4-4-8 to 7-4-8, Interior (1) 7-4-8 to 8-6-10 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	225 Chicora Club-Roof
Q-2002369-1	CAP2	Piggyback	8	1	Job Reference (optional)



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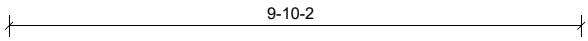


Plate Offsets (X, Y): [2:0-2-10,0-1-0], [6:0-2-10,0-1-0]

Loading	(psf)	Spacing	2-3-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.19	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	NO	WB	0.11	Horz(CT)	0.00	14	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 50 lb	FT = 20%

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

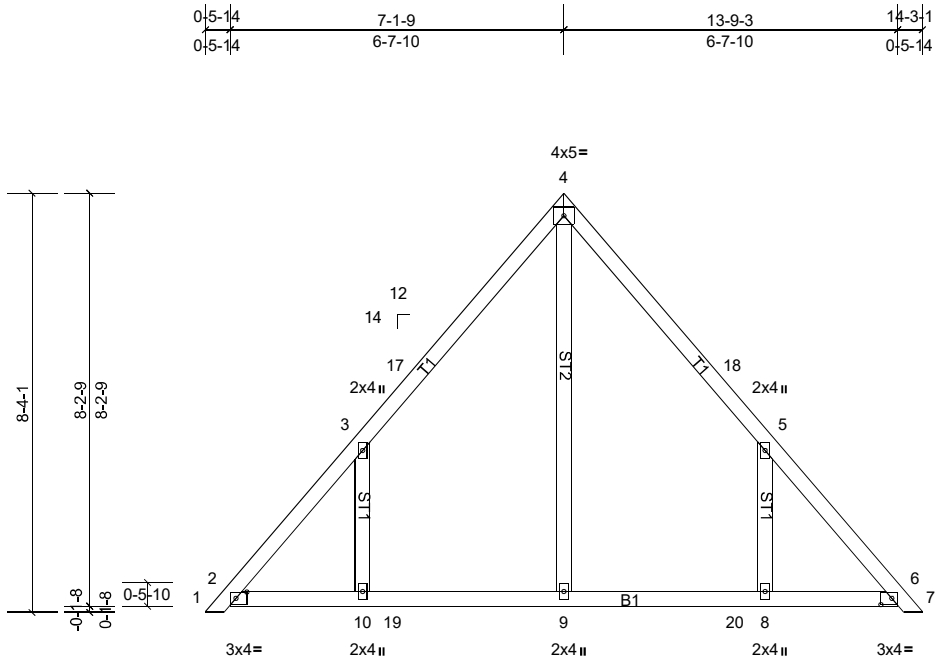
REACTIONS All bearings 9-10-2.
(lb) - Max Horiz 2=-152 (LC 9)
Max Uplift All uplift 100 (lb) or less at joint(s) except 8=-264 (LC 11), 10=-264 (LC 11), 2=-158 (LC 9), 6=-135 (LC 10)
Max Grav All reactions 250 (lb) or less at joint(s) 9, 2, 6 except 8=422 (LC 17), 10=424 (LC 16)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-10=-445/369, 5-8=-445/369

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) 0-2-7 to 3-2-7, Interior (1) 3-2-7 to 5-5-3, Exterior (2) 5-5-3 to 8-5-3, Interior (1) 8-5-3 to 10-7-15 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
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 158 lb uplift at joint 2, 135 lb uplift at joint 6, 263 lb uplift at joint 10, 263 lb uplift at joint 8, 158 lb uplift at joint 2 and 135 lb uplift at joint 6.
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.
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	225 Chicora Club-Roof
Q-2002369-1	CAP3	Piggyback	4	1	Job Reference (optional)



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13-3-4

Plate Offsets (X, Y): [2:0-2-10,0-1-8], [6:0-2-10,0-1-8]

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	0.14	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 72 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.

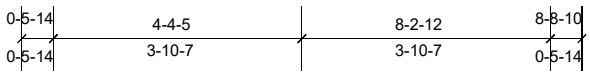
REACTIONS All bearings 13-3-4.
(lb) - Max Horiz 2=-179 (LC 9)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 6 except 8=-228 (LC 11), 10=-228 (LC 11)
Max Grav All reactions 250 (lb) or less at joint(s) 2, 6 except 8=414 (LC 17), 9=327 (LC 16), 10=415 (LC 16)

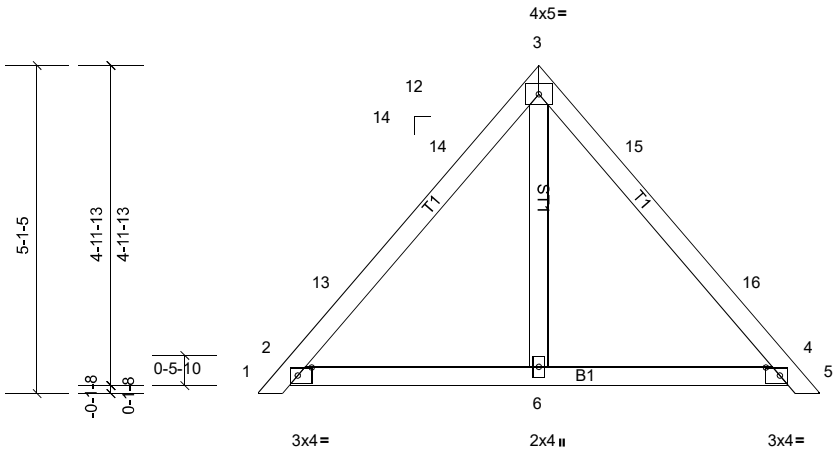
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-10=-328/260, 5-8=-328/260

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) 0-2-7 to 3-1-12, Interior (1) 3-1-12 to 7-1-12, Exterior (2) 7-1-12 to 10-1-12, Interior (1) 10-1-12 to 14-1-1 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 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, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6, 2, 6 except (jt=lb) 10=228, 8=228.
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	225 Chicora Club-Roof
Q-2002369-1	CAP4	Piggyback	1	1	Job Reference (optional)





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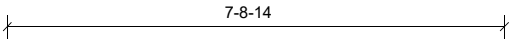


Plate Offsets (X, Y): [2:0-2-10,0-1-8], [4:0-2-10,0-1-8]

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	0.16	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	2	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
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.

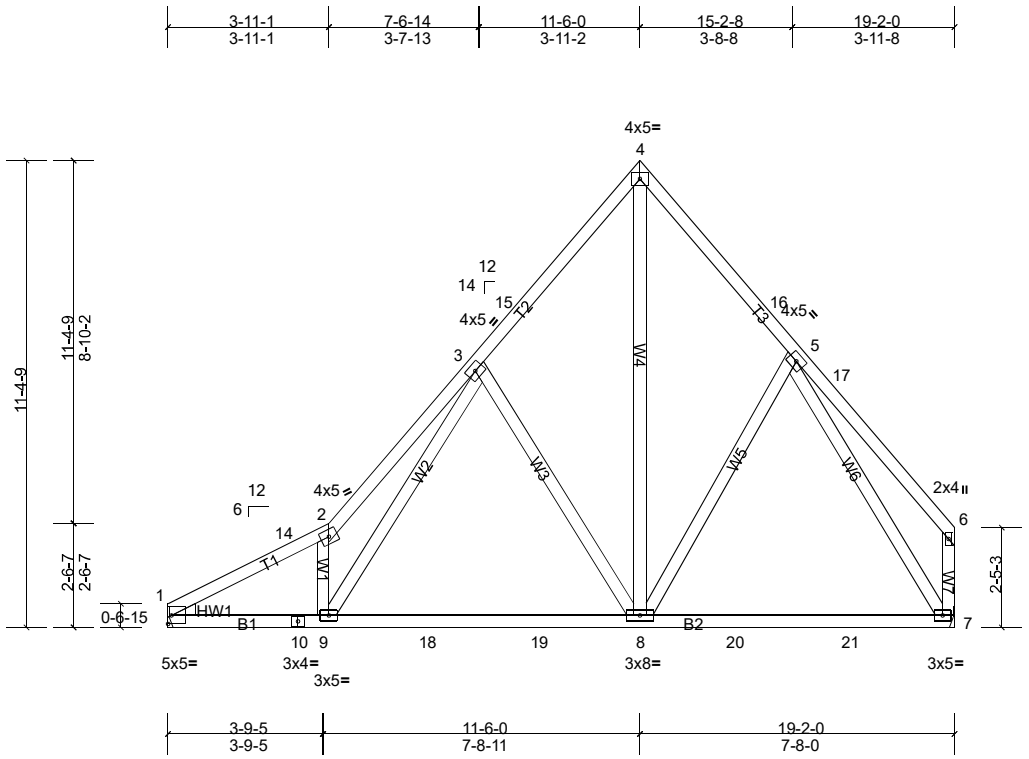
REACTIONS All bearings 7-8-14.
(lb) - Max Horiz 2=-108 (LC 9)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 4
Max Grav All reactions 250 (lb) or less at joint(s) 6, 2, 4

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) 0-2-7 to 3-2-7, Interior (1) 3-2-7 to 4-4-9, Exterior (2) 4-4-9 to 7-4-9, Interior (1) 7-4-9 to 8-6-11 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	225 Chicora Club-Roof
Q-2002369-1	T1	Roof Special	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	0.30	Vert(LL)	-0.10	8-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.45	Vert(CT)	-0.20	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.73	Horz(CT)	0.02	7	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 136 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

REACTIONS (lb/size) 1=761/ Mechanical, (min. 0-1-8), 7=761/ Mechanical, (min. 0-1-8)
Max Horiz 1=262 (LC 10)
Max Uplift 1=-92 (LC 11), 7=-95 (LC 11)
Max Grav 1=761 (LC 1), 7=811 (LC 16)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-7-10 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

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

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

TOP CHORD	1-14=-1299/136, 2-14=-1237/146, 2-3=-1779/357, 3-15=-659/211, 4-15=-574/244, 4-16=-564/249, 5-16=-635/217
BOT CHORD	1-10=-106/1214, 9-10=-106/1214, 9-18=-56/676, 18-19=-56/676, 8-19=-56/676, 8-20=-35/391, 20-21=-35/391, 7-21=-35/391
WEBS	2-9=-891/263, 3-9=-221/1184, 5-7=-699/32, 4-8=-271/674, 3-8=-468/243

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) 0-5-8 to 3-5-8, Interior (1) 3-5-8 to 11-11-8, Exterior (2) 11-11-8 to 14-11-8, Interior (1) 14-11-8 to 19-5-12 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) * 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 95 lb uplift at joint 7 and 92 lb uplift at joint 1.
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	225 Chicora Club-Roof
Q-2002369-1	T2	Roof Special	5	1	Job Reference (optional)

Peak Truss Builders LLC, New Hill, user — Run: 8.31 S Sep 9 2019 Print: 8.310 S Sep 9 2019 MiTek Industries, Inc. Wed Oct 07 13:28:39 — Page: 1

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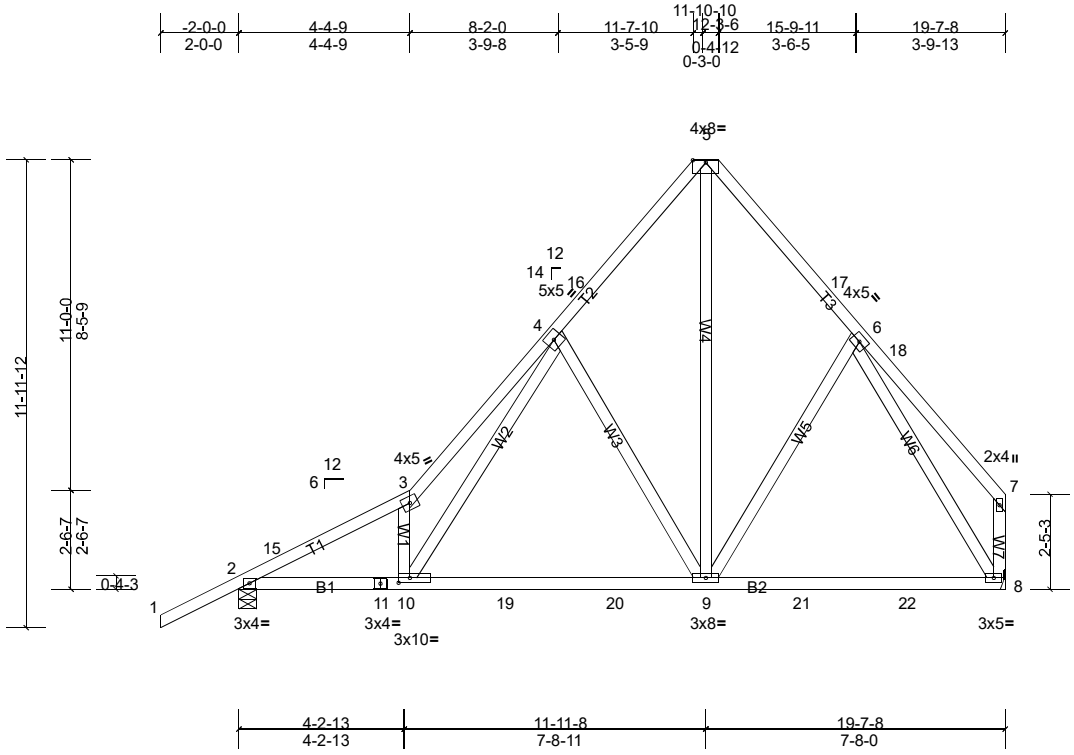

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Plate Offsets (X, Y): [5:Edge,0-0-11], [10:0-3-8,0-1-8]

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	0.29	Vert(LL)	-0.11	9-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.45	Vert(CT)	-0.22	9-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.71	Horz(CT)	0.02	8	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 139 lb	FT = 20%

LUMBER

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

REACTIONS (lb/size) 2=905/0-5-8, (min. 0-1-8), 8=773/ Mechanical, (min. 0-1-8)
Max Horiz 2=273 (LC 10)
Max Uplift 2=-169 (LC 11), 8=-93 (LC 11)
Max Grav 2=905 (LC 1), 8=821 (LC 16)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-5-2 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

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

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

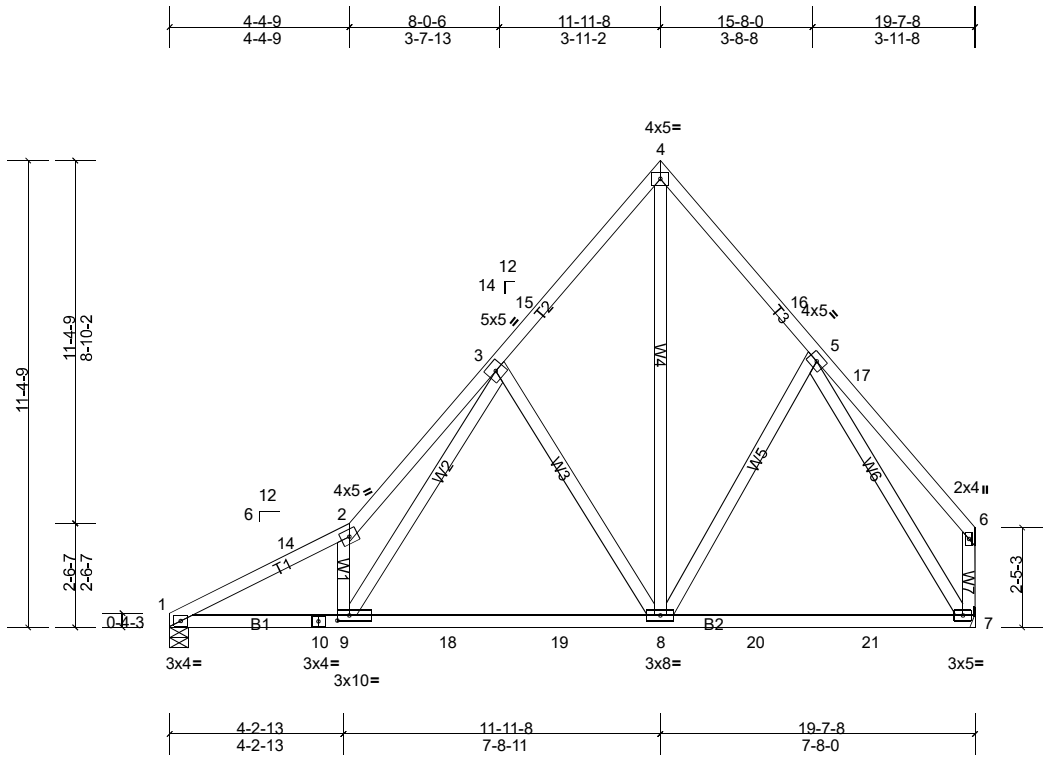
TOP CHORD	2-15=-1417/106, 3-15=-1362/124, 3-4=-1963/333, 4-16=-662/208, 5-16=-561/240, 5-17=-572/239, 6-17=-645/206
BOT CHORD	2-11=-94/1313, 10-11=-94/1313, 10-19=-50/688, 19-20=-50/688, 9-20=-50/688, 9-21=-36/394, 21-22=-36/394, 8-22=-36/394
WEBS	3-10=-1014/255, 4-10=-198/1363, 6-8=-715/37, 5-9=-255/668, 4-9=-483/231

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) -2-0-0 to 1-0-0, Interior (1) 1-0-0 to 11-11-8, Exterior (2) 11-11-8 to 14-11-8, Interior (1) 14-11-8 to 19-5-12 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) * 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 169 lb uplift at joint 2 and 93 lb uplift at joint 8.
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	225 Chicora Club-Roof
Q-2002369-1	T2A	Roof Special	1	1	Job Reference (optional)



Scale = 1:56.1

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

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	0.30	Vert(LL)	-0.10	8-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.44	Vert(CT)	-0.21	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.74	Horz(CT)	0.02	7	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 137 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 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.

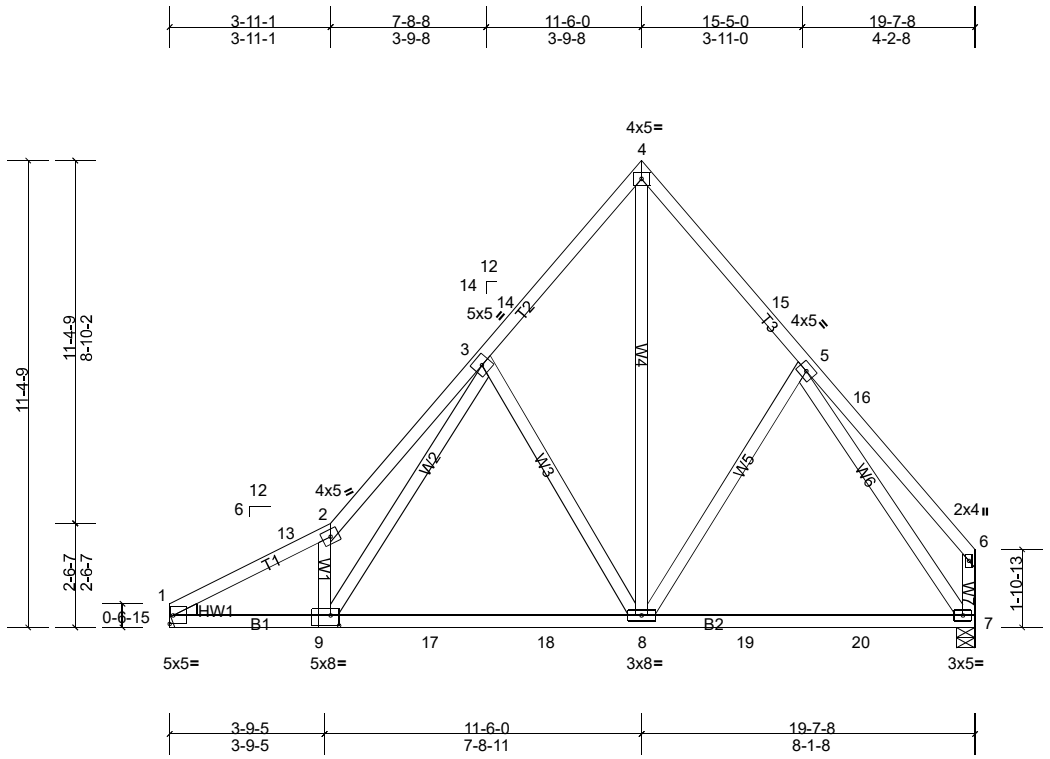
REACTIONS (lb/size) 1=779/0-5-8, (min. 0-1-8), 7=779/ Mechanical, (min. 0-1-8)
Max Horiz 1=264 (LC 10)
Max Uplift 1=-94 (LC 11), 7=-98 (LC 11)
Max Grav 1=779 (LC 1), 7=829 (LC 16)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-14=-1450/151, 2-14=-1395/162, 2-3=-2014/387, 3-15=-676/213, 4-15=-593/247, 4-16=-582/251, 5-16=-653/220
BOT CHORD 1-10=-124/1353, 9-10=-124/1353, 9-18=-56/710, 18-19=-56/710, 8-19=-56/710, 8-20=-35/400, 20-21=-35/400, 7-21=-35/400
WEBS 2-9=-1050/285, 3-9=-250/1413, 5-7=-717/32, 4-8=-274/693, 3-8=-508/248

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 11-11-8, Exterior (2) 11-11-8 to 14-11-8, Interior (1) 14-11-8 to 19-5-12 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) * 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 94 lb uplift at joint 1 and 98 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	225 Chicora Club-Roof
Q-2002369-1	T2B	Roof Special	4	1	Job Reference (optional)



Scale = 1:56.1

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

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	0.31	Vert(LL)	-0.11	8-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.48	Vert(CT)	-0.23	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.70	Horz(CT)	0.02	7	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 137 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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-5-0 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=779/ Mechanical, (min. 0-1-8), 7=779/0-5-8, (min. 0-1-8)
Max Horiz 1=257 (LC 10)
Max Uplift 1=-95 (LC 11), 7=-97 (LC 11)
Max Grav 1=779 (LC 1), 7=824 (LC 16)

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

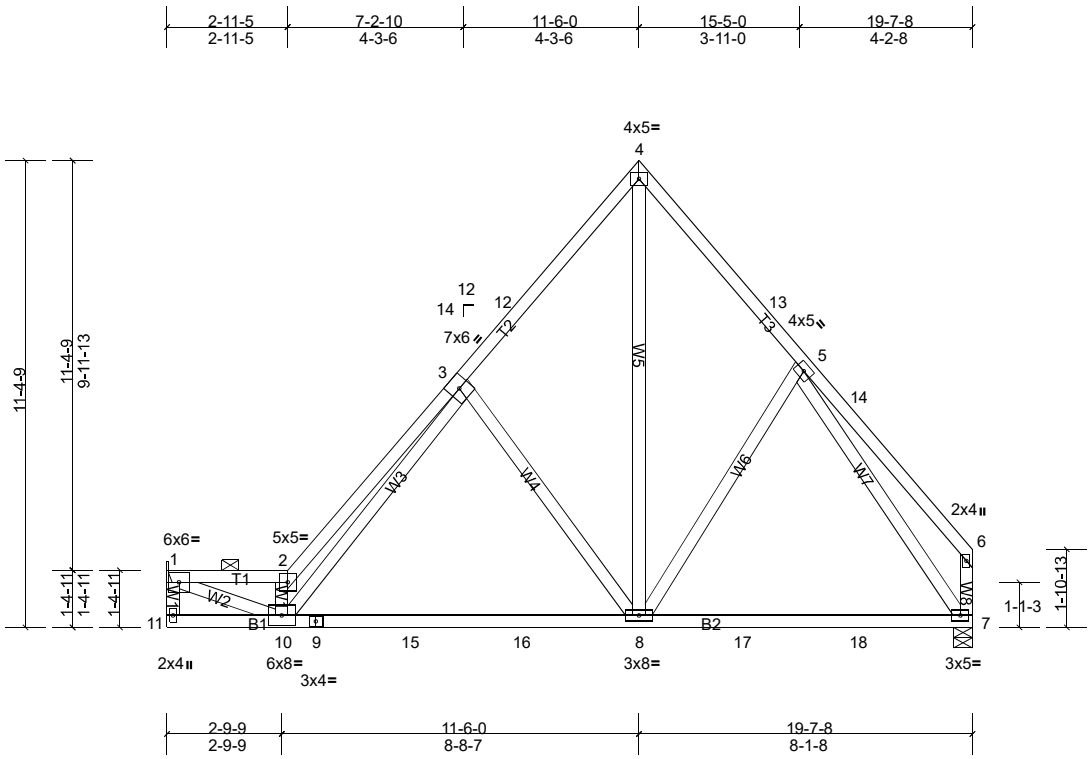
TOP CHORD	1-13=-1333/139, 2-13=-1270/148, 2-3=-1930/400, 3-14=-687/219, 4-14=-580/252, 4-15=-598/250, 5-15=-675/217
BOT CHORD	1-9=-101/1248, 9-17=-32/691, 17-18=-32/691, 8-18=-32/691, 8-19=-25/435, 19-20=-25/435, 7-20=-25/435
WEBS	2-9=-1006/298, 4-8=-277/713, 5-7=-688/19, 3-8=-470/246, 3-9=-261/1322

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) 0-5-8 to 3-5-8, Interior (1) 3-5-8 to 11-11-8, Exterior (2) 11-11-8 to 14-11-8, Interior (1) 14-11-8 to 19-11-4 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 97 lb uplift at joint 7 and 95 lb uplift at joint 1.
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	225 Chicora Club-Roof
Q-2002369-1	T3	Roof Special	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	0.40	Vert(LL)	-0.20	8-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.58	Vert(CT)	-0.44	8-10	>533	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.83	Horz(CT)	-0.08	7	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 139 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 3-3-9 oc purlins, except end verticals, and 2-0-0 oc purlins (4-8-1 max.): 1-2.
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=773/ Mechanical, (min. 0-1-8), 7=773/0-5-8, (min. 0-1-8)
Max Horiz 1=257 (LC 10)
Max Uplift 1=-95 (LC 11), 7=-95 (LC 11)
Max Grav 1=773 (LC 1), 7=805 (LC 16)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1706/141, 2-3=-3069/405, 3-12=-716/205, 4-12=-614/242, 4-13=-583/248, 5-13=-660/214
BOT CHORD 9-10=-42/698, 9-15=-42/698, 15-16=-42/698, 8-16=-42/698, 8-17=-22/426, 17-18=-22/426, 7-18=-22/426
WEBS 1-10=-129/1581, 2-10=-2365/361, 3-10=-255/2292, 3-8=-445/247, 4-8=-262/710, 5-7=-680/13

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) 0-1-12 to 2-11-5, Interior (1) 2-11-5 to 11-6-0, Exterior (2) 11-6-0 to 14-6-0, Interior (1) 14-6-0 to 19-5-12 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) 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 95 lb uplift at joint 1 and 95 lb uplift at joint 7.
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.
9) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	225 Chicora Club-Roof
Q-2002369-1	T4GE	Common Supported Gable	1	1	Job Reference (optional)

Peak Truss Builders LLC, New Hill, user — Run: 8.31 S Sep 9 2019 Print: 8.310 S Sep 9 2019 MiTek Industries, Inc. Wed Oct 07 13:28:40 — Page: 1

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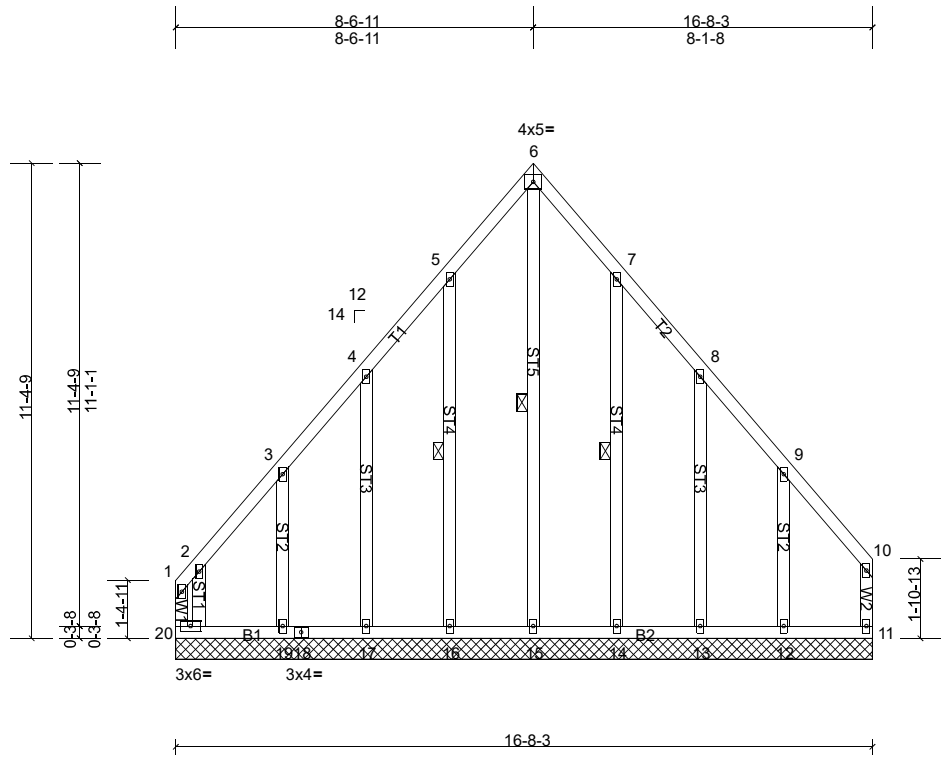

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16-8-3

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	0.10	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.33	Horiz(TL)	0.00	11	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MR							Weight: 140 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 6-15, 5-16, 7-14

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

REACTIONS All bearings 16-8-3.

(lb) - Max Horiz 20=257 (LC 10)

Max Uplift All uplift 100 (lb) or less at joint(s) 11, 14, 15, 16 except 12=-162 (LC 11), 13=-114 (LC 11), 17=-107 (LC 11), 19=-175 (LC 11), 20=-216 (LC 9)

Max Grav All reactions 250 (lb) or less at joint(s) 11, 13, 14, 16, 17 except 12=259 (LC 17), 15=564 (LC 11), 19=340 (LC 16), 20=328 (LC 10)

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

TOP CHORD 2-3=-312/287, 4-5=-259/298, 5-6=-341/402, 6-7=-341/402, 7-8=-260/299

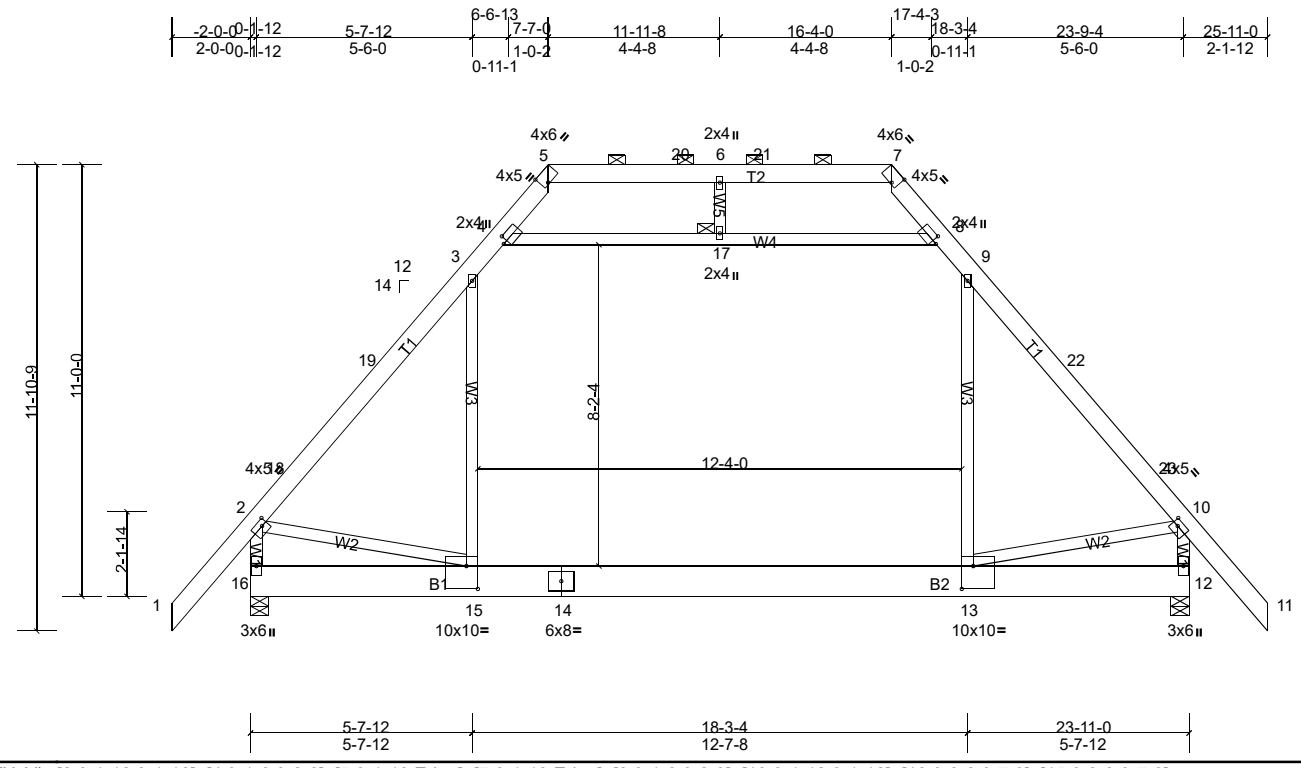
WEBS 6-15=-539/392, 2-20=-408/373

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) 0-1-12 to 3-1-12, Exterior (2) 3-1-12 to 8-6-11, Corner (3) 8-6-11 to 11-6-11, Exterior (2) 11-6-11 to 16-6-7 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) 11, 15, 16, 14 except (jt=lb) 20=215, 17=107, 19=175, 13=113, 12=161.
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	225 Chicora Club-Roof
Q-2002369-1	T5	Attic	11	1	Job Reference (optional)



Scale = 1:58.7

Plate Offsets (X, Y): [2:0-1-12,0-1-12], [4:0-1-6,0-2-0], [5:0-1-13,Edge], [7:0-1-13,Edge], [8:0-1-6,0-2-0], [10:0-1-12,0-1-12], [13:0-3-8,0-7-0], [15:0-3-8,0-7-0]

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	0.45	Vert(LL)	-0.17	13-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.73	Vert(CT)	-0.22	13-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.01	12	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS		Attic	-0.14	13-15	>999	360	Weight: 245 lb	FT = 20%

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

REACTIONS (lb/size) 12=1137/0-5-8, (min. 0-2-3), 16=1137/0-5-8, (min. 0-2-3)
Max Horiz 16=-295 (LC 9)
Max Uplift 12=-153 (LC 11), 16=-153 (LC 11)
Max Grav 12=1411 (LC 17), 16=1411 (LC 16)

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.): 5-7.
BOT CHORD Rigid ceiling directly applied or 10-0-0 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 2-18=-1460/71, 18-19=-1339/95, 3-19=-1318/116, 3-4=-837/185, 4-5=-496/99, 5-20=-353/76, 6-20=-353/76, 6-21=-353/76, 7-21=-353/76, 7-8=-496/99, 8-9=-837/185, 9-22=-1318/116, 22-23=-1339/95, 10-23=-1460/71, 2-16=-1503/162, 10-12=-1504/162
BOT CHORD 15-16=-279/327, 14-15=0/920, 13-14=0/920
WEBS 3-15=0/657, 9-13=0/657, 4-17=-738/180, 8-17=-738/180, 2-15=0/915, 10-13=0/918

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) -2-0-0 to 1-0-0, Interior (1) 1-0-0 to 7-7-0, Exterior (2) 7-7-0 to 11-11-8, Interior (1) 11-11-8 to 16-4-0, Exterior (2) 16-4-0 to 20-6-15, Interior (1) 20-6-15 to 25-11-0 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.
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. 13-15
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 153 lb uplift at joint 16 and 153 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	225 Chicora Club-Roof
Q-2002369-1	T6	Piggyback Base	1	1	Job Reference (optional)

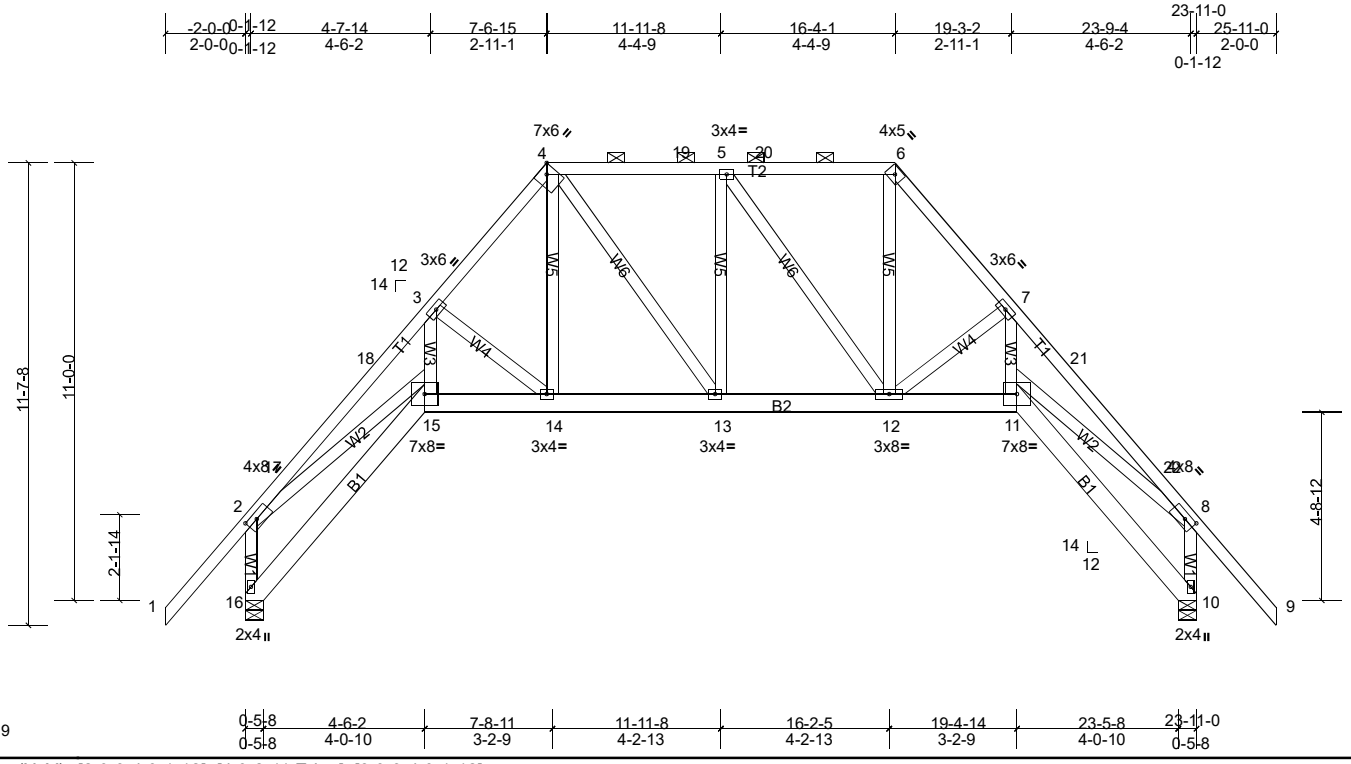


Plate Offsets (X, Y): [2:0-3-4,0-1-12], [4:0-2-11,Edge], [8:0-3-4,0-1-12]

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	0.44	Vert(LL)	-0.08	13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.30	Vert(CT)	-0.16	13-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.69	Horz(CT)	0.36	10	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 210 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-9-14 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-6.
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.

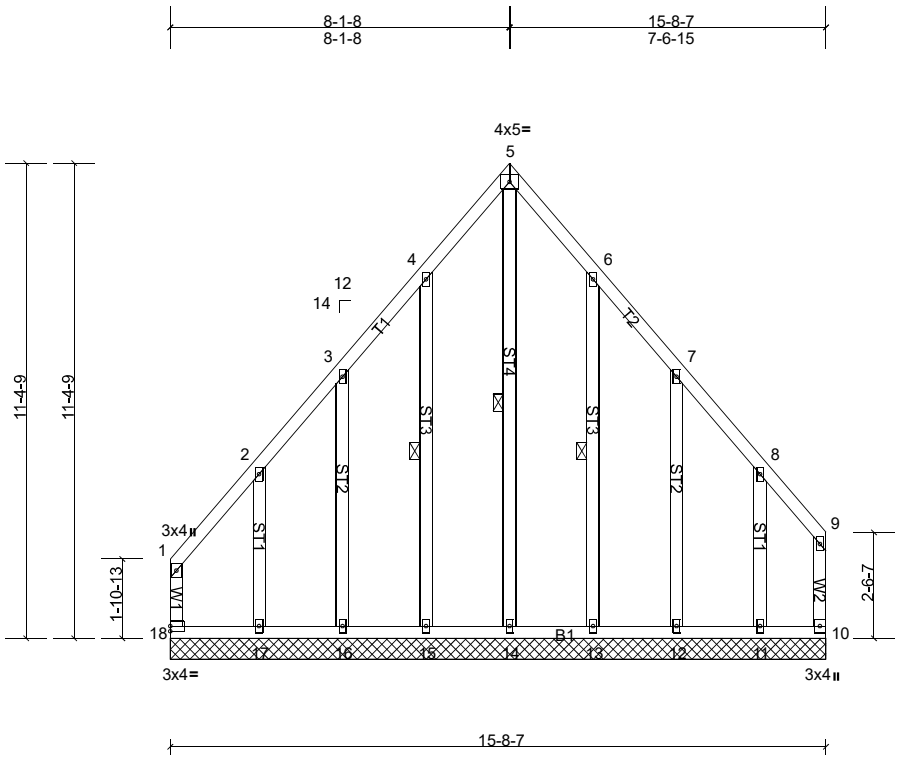
REACTIONS (lb/size) 10=1074/0-5-8, (min. 0-1-11), 16=1074/0-5-8, (min. 0-1-11)
Max Horiz 16=-309 (LC 9)
Max Uplift 10=-192 (LC 11), 16=-192 (LC 11)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-17=-2570/95, 17-18=-2470/112, 3-18=-2448/132, 3-4=-1345/69, 4-19=-945/78, 5-19=-945/78, 5-20=-812/58, 6-20=-812/58, 6-7=-1300/42, 7-21=-2146/0, 21-22=-2169/0, 8-22=-2291/0, 2-16=-1160/154, 8-10=-1026/155
BOT CHORD 15-16=-462/472, 14-15=-118/1679, 13-14=-4/953, 12-13=0/1027, 11-12=0/1367
WEBS 2-15=0/1816, 3-15=-105/1271, 3-14=-946/146, 4-14=-48/702, 5-12=-284/74, 6-12=0/745, 7-12=-743/0, 7-11=0/962, 8-11=0/1663, 4-13=-76/287

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) -2-0-0 to 1-0-0, Interior (1) 1-0-0 to 7-6-15, Exterior (2) 7-6-15 to 11-11-8, Interior (1) 11-11-8 to 16-4-1, Exterior (2) 16-4-1 to 20-6-15, Interior (1) 20-6-15 to 25-11-0 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.
5) Bearing at joint(s) 16, 10 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 192 lb uplift at joint 16 and 192 lb uplift at joint 10.
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	225 Chicora Club-Roof
Q-2002369-1	T6GE	Common Supported Gable	1	1	Job Reference (optional)



Scale = 1:55.2

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	0.44	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	0.33	Horiz(TL)	0.00	10	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MR							Weight: 136 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 5-14, 4-15, 6-13

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

REACTIONS All bearings 15-8-7.
(lb) - Max Horiz 18=261 (LC 10)
Max Uplift All uplift 100 (lb) or less at joint(s) 13, 14, 15 except 10=-189 (LC 10), 11=-165 (LC 7), 12=-124 (LC 11), 16=-114 (LC 11), 17=-185 (LC 8), 18=-249 (LC 9)
Max Grav All reactions 250 (lb) or less at joint(s) 12, 13, 15, 16 except 10=256 (LC 9), 11=321 (LC 10), 14=568 (LC 11), 17=357 (LC 9), 18=340 (LC 10)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-270/244, 3-4=-249/302, 4-5=-331/405, 5-6=-331/405, 6-7=-249/303
WEBS 5-14=-543/376

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) 0-1-12 to 3-1-12, Exterior (2) 3-1-12 to 8-1-8, Corner (3) 8-1-8 to 11-1-8, Exterior (2) 11-1-8 to 15-6-11 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) 14, 15, 13 except (jt=lb) 18=248, 10=189, 16=114, 17=185, 12=123, 11=164.
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	225 Chicora Club-Roof
Q-2002369-1	T6GRD	Piggyback Base Girder	1	**2**	Job Reference (optional)

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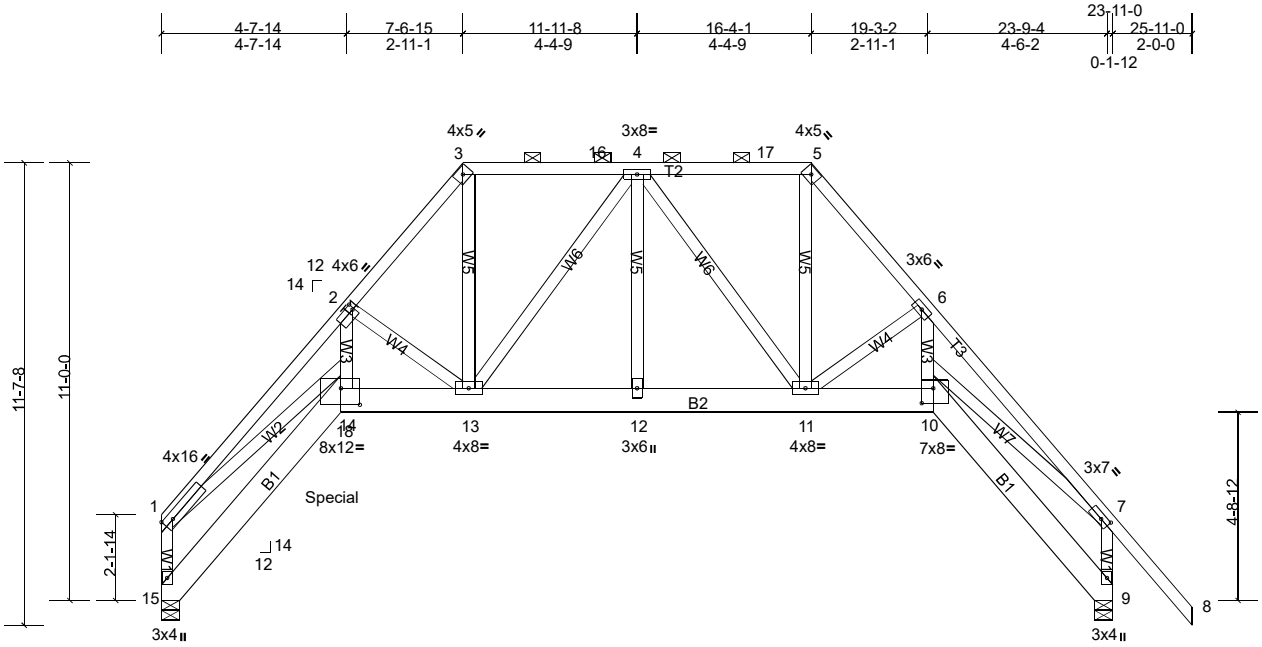

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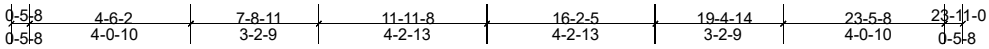

Plate Offsets (X, Y): [1:0-3-0,Edge], [2:0-0-8,0-1-12], [7:0-2-12,0-1-8], [10:0-3-8,0-4-8], [14:0-5-12,0-5-0]

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	0.69	Vert(LL)	-0.14	14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.76	Vert(CT)	-0.27	13-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.87	Horz(CT)	0.50	9	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 452 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.1 *Except* T1:2x4 SP DSS
BOT CHORD	2x8 SP No.2
WEBS	2x4 SP No.3 *Except* W2,W3,W7:2x4 SP No.2

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-3-11 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-5.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 9=1621/0-5-8, (min. 0-1-8), 15=3579/0-5-8, (min. 0-2-13)
Max Horiz 15=-284 (LC 5)
Max Uplift 9=-270 (LC 7), 15=-500 (LC 7)

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

TOP CHORD	1-2=-9422/1130, 2-3=-3578/387, 3-16=-2356/275, 4-16=-2356/275, 4-17=-1546/150, 5-17=-1546/150, 5-6=-2384/169, 6-7=-3853/79, 1-15=-3294/431, 7-9=-1533/232
BOT CHORD	15-18=-481/467, 14-18=-700/2343, 13-14=-716/5620, 12-13=-139/2049, 11-12=-139/2049, 10-11=-6/2329
WEBS	1-14=-763/7067, 2-14=-918/6741, 2-13=-4180/638, 3-13=-266/2461, 4-13=-315/572, 4-11=-913/167, 5-11=-67/1566, 6-11=-1034/10, 6-10=0/1492, 7-10=-19/2861

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: 2x8 - 3 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=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) Bearing at joint(s) 15, 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 500 lb uplift at joint 15 and 270 lb uplift at joint 9.
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) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 3181 lb down and 474 lb up at 4-2-0 on bottom chord. The design/ selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (lb/ft)
   Vert: 1-3=-60, 3-5=-60, 5-7=-60, 7-8=-60, 14-15=-20, 10-14=-20, 9-10=-20
   Concentrated Loads (lb)
   Vert: 18=-3181 (B)

Job	Truss	Truss Type	Qty	Ply	225 Chicora Club-Roof
Q-2002369-1	T7	Piggyback Base	4	1	Job Reference (optional)

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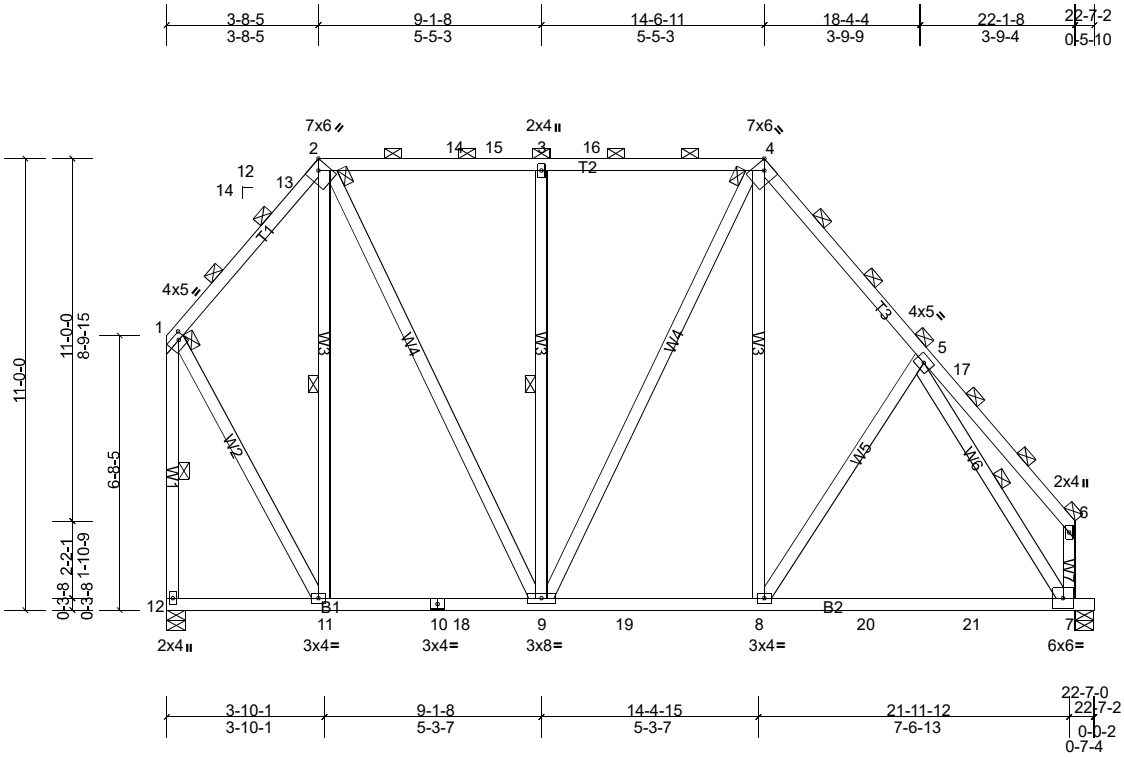

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Plate Offsets (X, Y): [1:0-1-12,0-1-12], [2:0-2-11,Edge], [4:0-2-11,Edge]

Loading	(psf)	Spacing	3-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.63	Vert(LL)	-0.12	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.61	Vert(CT)	-0.24	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.45	Horz(CT)	0.02	7	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 200 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.1
BOT CHORD	2x4 SP No.1
WEBS	2x4 SP No.3 *Except* W7:2x4 SP No.2

BRACING

TOP CHORD	2-0-0 oc purlins (5-6-14 max.), except end verticals (Switched from sheeted: Spacing > 2-0-0).
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 2-11, 3-9, 1-12, 5-7

REACTIONS (lb/size) 7=1310/0-5-8, (min. 0-2-3), 12=1310/0-5-8, (min. 0-2-3)
Max Horiz 12=-437 (LC 9)
Max Uplift 7=-144 (LC 11), 12=-179 (LC 11)
Max Grav 7=1395 (LC 17), 12=1396 (LC 17)

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

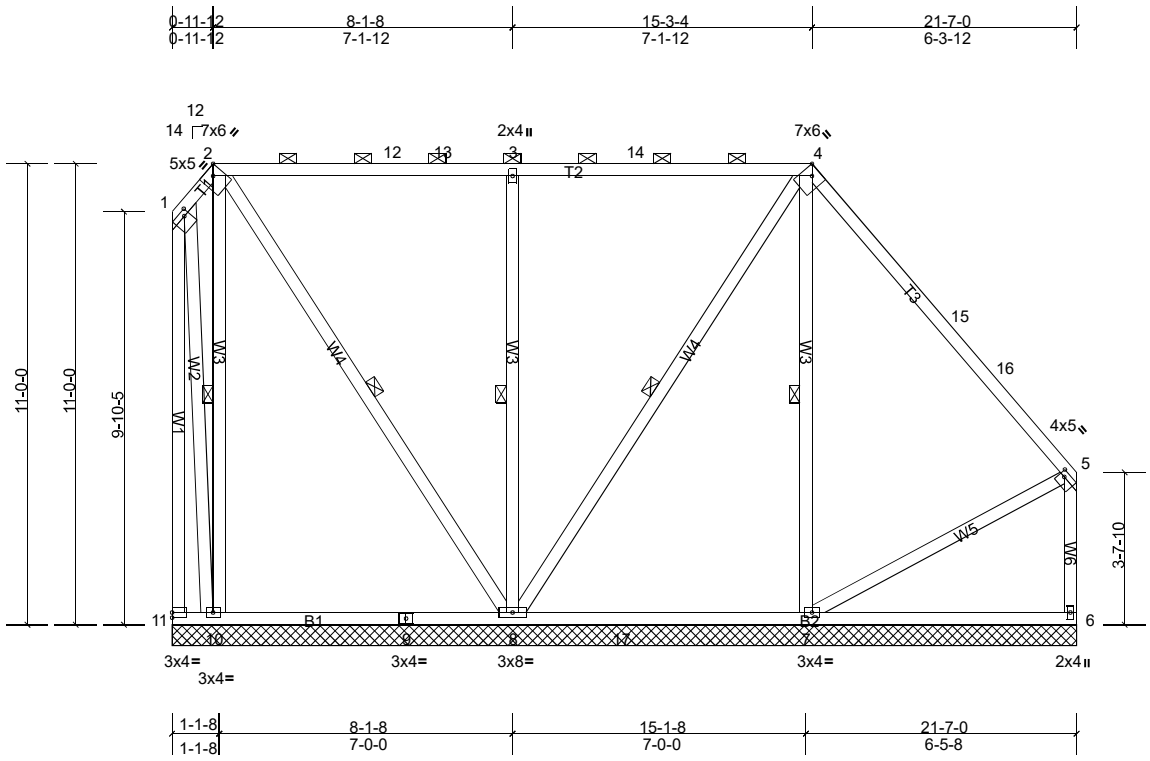
TOP CHORD	1-13=-811/281, 2-13=-627/305, 2-14=-746/332, 14-15=-746/332, 3-15=-746/332, 3-16=-746/332, 4-16=-746/332, 4-5=-1198/365, 6-17=-309/184, 1-12=-1366/218, 6-7=-306/168
BOT CHORD	11-12=-327/349, 10-11=-95/585, 10-18=-95/585, 9-18=-95/585, 9-19=-23/756, 8-19=-23/756, 8-20=-63/697, 20-21=-63/697, 7-21=-63/697
WEBS	2-11=-521/207, 2-9=-166/779, 3-9=-563/204, 4-8=-110/480, 1-11=-119/902, 5-8=-234/292, 5-7=-1210/91

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=22ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 4-0-6 to 7-0-6, Interior (1) 7-0-6 to 7-6-15, Exterior (2) 7-6-15 to 11-9-14, Interior (1) 11-9-14 to 18-5-5, Exterior (2) 18-5-5 to 22-8-4, Interior (1) 22-8-4 to 25-10-6 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) 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 12 and 144 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.
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	225 Chicora Club-Roof
Q-2002369-1	T7A	Piggyback Base	1	1	Job Reference (optional)



Scale = 1:55

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

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	0.82	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.30	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.30	Horiz(TL)	0.00	6	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 198 lb	FT = 20%

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

REACTIONS All bearings 21-7-0.
(lb) - Max Horiz 11=-317 (LC 9)
Max Uplift All uplift 100 (lb) or less at joint(s) 6, 7, 10 except 8=-210 (LC 7), 11=-269 (LC 16)
Max Grav All reactions 250 (lb) or less at joint(s) 11 except 6=306 (LC 16), 7=448 (LC 17), 8=865 (LC 18), 10=569 (LC 16)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-255/307, 5-6=-261/104
BOT CHORD 10-11=-336/358, 9-10=-321/345, 8-9=-321/345
WEBS 2-10=-335/275, 3-8=-498/175

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.): 2-4.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 10-11.
WEBS 1 Row at midpt 2-10, 2-8, 3-8, 4-8, 4-7

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=22ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 6-8-15 to 11-9-14, Interior (1) 11-9-14 to 21-10-7, Exterior (2) 21-10-7 to 26-1-6, Interior (1) 26-1-6 to 28-0-7 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10, 7, 6 except (jt=lb) 11=269, 8=210.
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	225 Chicora Club-Roof
Q-2002369-1	T7B	Piggyback Base	3	1	Job Reference (optional)

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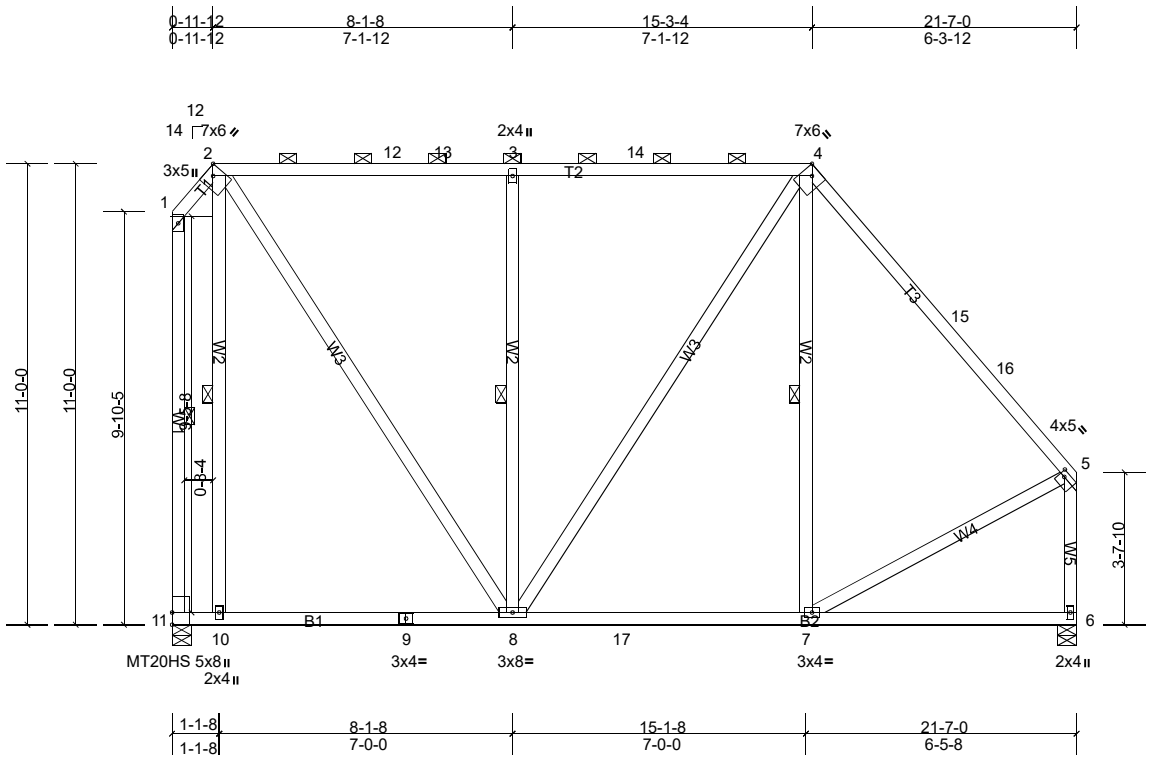

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Plate Offsets (X, Y): [2:0-2-11,Edge], [4:0-2-11,Edge], [5:0-1-8,0-1-8]

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	0.81	Vert(LL)	-0.21	8-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.64	Vert(CT)	-0.39	8-10	>650	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.61	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 183 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.1
BOT CHORD	2x4 SP No.1
WEBS	2x4 SP No.3 *Except* W1:2x4 SP No.2

REACTIONS (lb/size) 6=852/0-5-8, (min. 0-1-8), 11=852/0-5-8, (min. 0-1-8)
Max Horiz 11=-317 (LC 9)
Max Uplift 6=-79 (LC 11), 11=-142 (LC 7)
Max Grav 6=873 (LC 16), 11=963 (LC 17)

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.): 2-4.
BOT CHORD	Rigid ceiling directly applied or 9-7-14 oc bracing.
WEBS	1 Row at midpt 2-10, 3-8, 4-7, 1-11

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=-542/271, 2-12=-503/195, 12-13=-503/195, 3-13=-503/195, 3-14=-503/195, 4-14=-503/195, 4-15=-617/159, 15-16=-621/130, 5-16=-732/120, 1-11=-599/234, 5-6=-823/110
BOT CHORD	10-11=-304/349, 9-10=-310/353, 8-9=-310/353, 8-17=-43/440, 7-17=-43/440
WEBS	2-10=-434/313, 2-8=-194/846, 3-8=-536/184, 5-7=-31/467

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=22ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 6-8-15 to 11-9-14, Interior (1) 11-9-14 to 21-10-7, Exterior (2) 21-10-7 to 26-1-6, Interior (1) 26-1-6 to 28-0-7 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) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 142 lb uplift at joint 11 and 79 lb uplift at joint 6.
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	225 Chicora Club-Roof
Q-2002369-1	T7C	Piggyback Base	2	1	Job Reference (optional)

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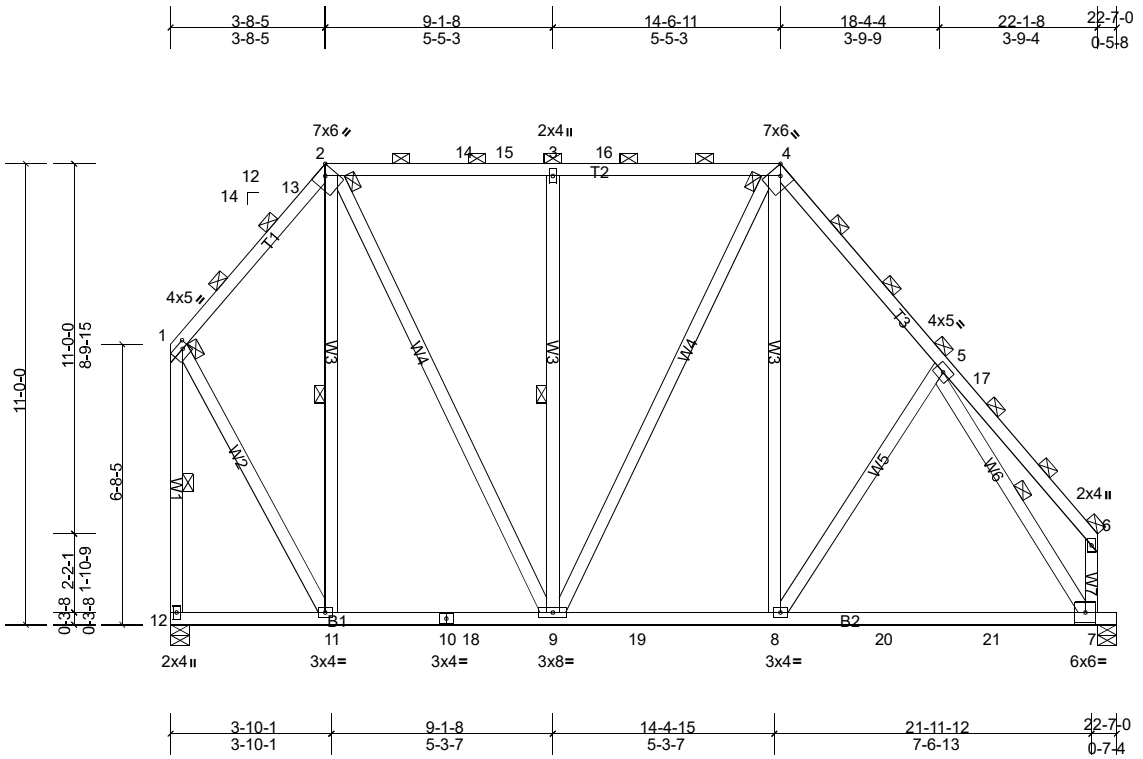


Scale = 1:55

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

Loading	(psf)	Spacing	3-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.63	Vert(LL)	-0.12	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.61	Vert(CT)	-0.24	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.45	Horz(CT)	0.02	7	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 200 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.1
BOT CHORD	2x4 SP No.1
WEBS	2x4 SP No.3 *Except* W7:2x4 SP No.2

BRACING

TOP CHORD	2-0-0 oc purlins (5-6-14 max.), except end verticals (Switched from sheeted: Spacing > 2-0-0).
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 2-11, 3-9, 1-12, 5-7

REACTIONS (lb/size) 7=1310/0-5-8, (min. 0-2-3), 12=1310/0-5-8, (min. 0-2-3)
Max Horiz 12=-437 (LC 9)
Max Uplift 7=-144 (LC 11), 12=-179 (LC 11)
Max Grav 7=1395 (LC 17), 12=1396 (LC 17)

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

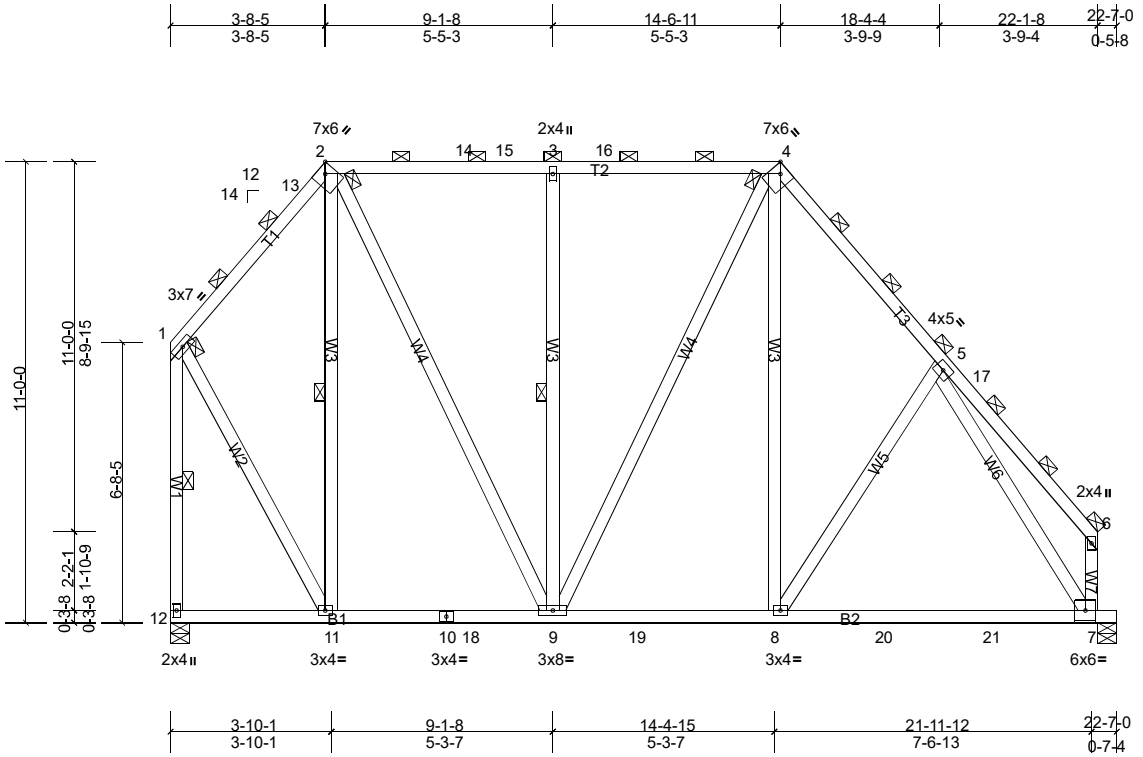
TOP CHORD	1-13=-811/281, 2-13=-627/305, 2-14=-746/332, 14-15=-746/332, 3-15=-746/332, 3-16=-746/332, 4-16=-746/332, 4-5=-1198/365, 6-17=-309/184, 1-12=-1366/218, 6-7=-306/168
BOT CHORD	11-12=-327/349, 10-11=-95/585, 10-18=-95/585, 9-18=-95/585, 9-19=-23/756, 8-19=-23/756, 8-20=-63/697, 20-21=-63/697, 7-21=-63/697
WEBS	2-11=-521/207, 2-9=-166/779, 3-9=-563/204, 4-8=-110/480, 1-11=-119/902, 5-8=-234/292, 5-7=-1210/91

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=22ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 4-0-6 to 7-0-6, Interior (1) 7-0-6 to 7-6-15, Exterior (2) 7-6-15 to 11-9-14, Interior (1) 11-9-14 to 18-5-5, Exterior (2) 18-5-5 to 22-8-4, Interior (1) 22-8-4 to 25-10-6 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) 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 12 and 144 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.
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	225 Chicora Club-Roof
Q-2002369-1	T7D	Piggyback Base	2	1	Job Reference (optional)



Scale = 1:55

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

Loading	(psf)	Spacing	2-3-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.44	Vert(LL)	-0.09	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.46	Vert(CT)	-0.18	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.83	Horz(CT)	0.01	7	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 200 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD	2-0-0 oc purlins (6-0-0 max.), except end verticals (Switched from sheeted: Spacing > 2-0-0).
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 2-11, 3-9, 1-12

REACTIONS (lb/size) 7=982/0-5-8, (min. 0-1-10), 12=982/0-5-8, (min. 0-1-10)
Max Horiz 12=-328 (LC 9)
Max Uplift 7=-108 (LC 11), 12=-134 (LC 11)
Max Grav 7=1046 (LC 17), 12=1047 (LC 17)

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

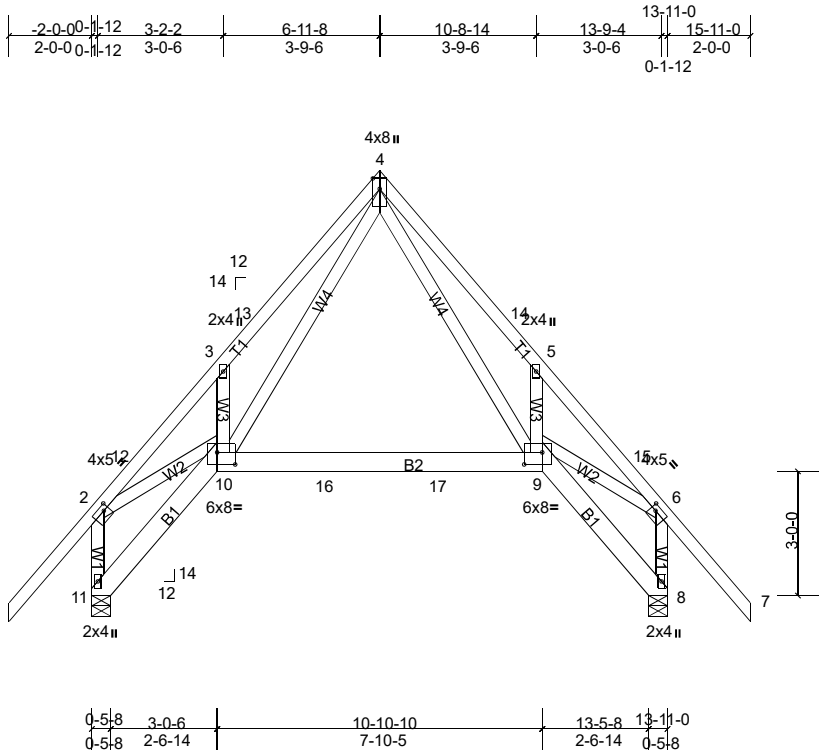
TOP CHORD	1-13=-608/211, 2-13=-471/229, 2-14=-560/249, 14-15=-560/249, 3-15=-560/249, 3-16=-560/249, 4-16=-560/249, 4-5=-899/274, 1-12=-1025/164
BOT CHORD	11-12=-245/262, 10-11=-71/439, 10-18=-71/439, 9-18=-71/439, 9-19=-17/567, 8-19=-17/567, 8-20=-47/523, 20-21=-47/523, 7-21=-47/523
WEBS	2-11=-391/155, 2-9=-124/584, 3-9=-422/153, 4-8=-83/360, 1-11=-89/677, 5-7=-909/69

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=22ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 4-0-6 to 7-0-6, Interior (1) 7-0-6 to 7-6-15, Exterior (2) 7-6-15 to 11-9-14, Interior (1) 11-9-14 to 18-5-5, Exterior (2) 18-5-5 to 22-8-4, Interior (1) 22-8-4 to 25-10-6 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) 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 134 lb uplift at joint 12 and 108 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.
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	225 Chicora Club-Roof
Q-2002369-1	T8	Roof Special	4	1	Job Reference (optional)



Scale = 1:55.7

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

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	0.35	Vert(LL)	-0.06	9-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.32	Vert(CT)	-0.12	9-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.30	Horz(CT)	0.11	8	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 126 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-6-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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

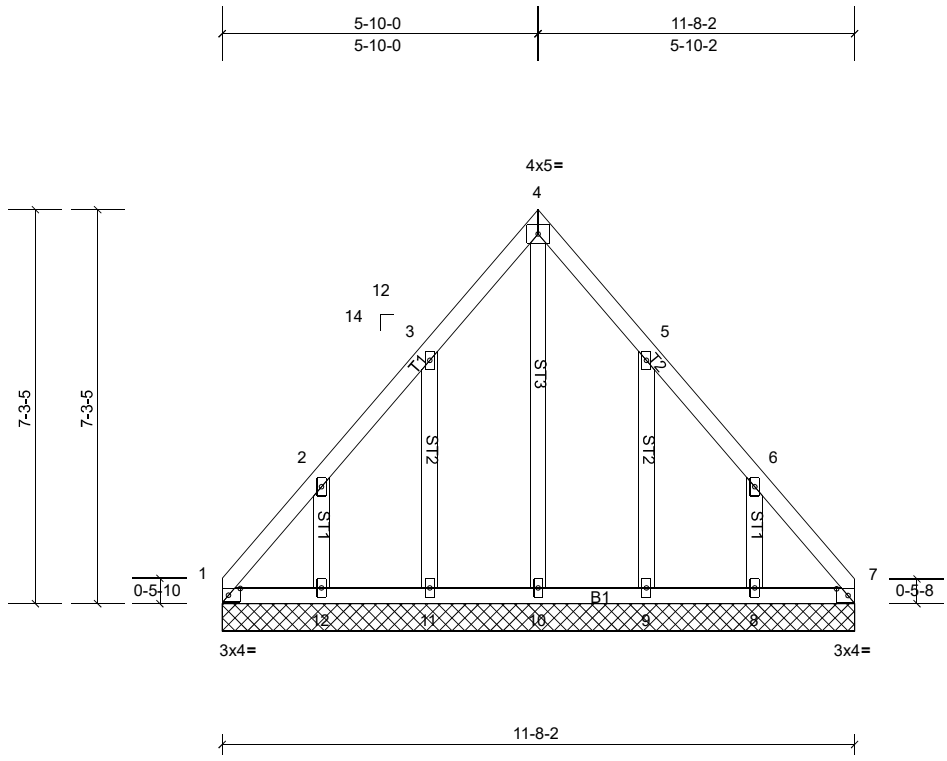
REACTIONS (lb/size) 8=674/0-5-8, (min. 0-1-8), 11=674/0-5-8, (min. 0-1-8)
Max Horiz 11=293 (LC 10)
Max Uplift 8=-142 (LC 11), 11=-142 (LC 11)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-12=-1176/0, 3-12=-1106/14, 3-13=-1249/125, 4-13=-1181/156, 4-14=-1099/92, 5-14=-1127/65, 5-15=-965/0, 6-15=-1041/0, 2-11=-803/74, 6-8=-640/116
BOT CHORD 10-11=-423/409, 10-16=-116/381, 16-17=-116/381, 9-17=-116/381
WEBS 4-9=-3/850, 5-9=-338/231, 6-9=0/729, 4-10=-183/999, 3-10=-352/227, 2-10=0/739

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) -2-0-0 to 1-0-0, Interior (1) 1-0-0 to 6-11-8, Exterior (2) 6-11-8 to 9-11-8, Interior (1) 9-11-8 to 15-11-0 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) Bearing at joint(s) 11, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 142 lb uplift at joint 11 and 142 lb uplift at joint 8.
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	225 Chicora Club-Roof
Q-2002369-1	T8GE	Common Supported Gable	1	1	Job Reference (optional)



Scale = 1:42.5

11-8-2

Plate Offsets (X, Y): [1:0-2-10,0-1-8], [7:0-2-9,0-1-8]

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	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.04	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.27	Horiz(TL)	0.00	7	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 74 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 10-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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

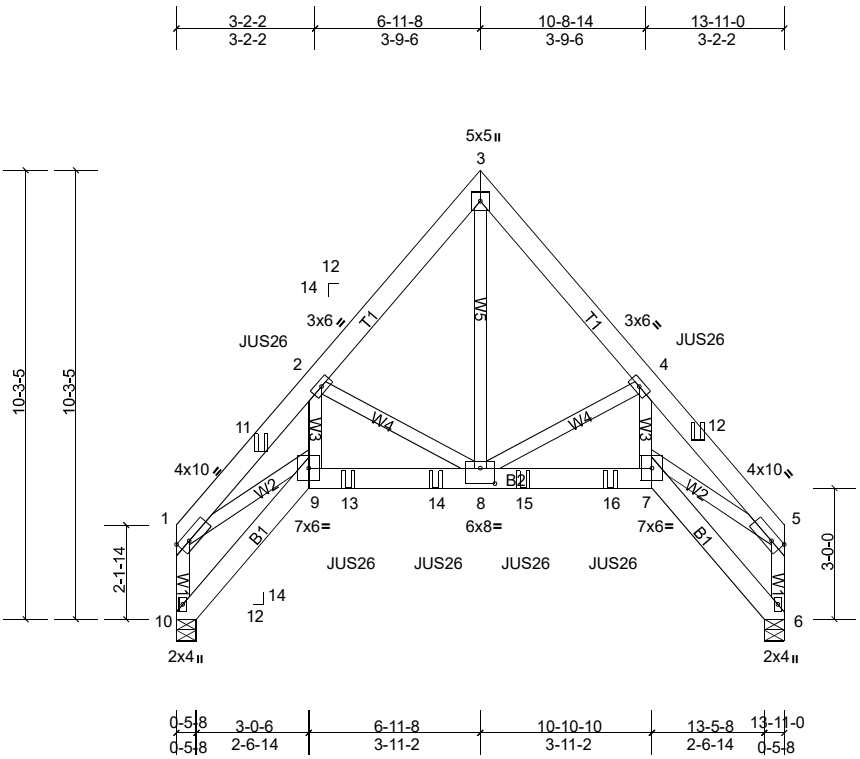
REACTIONS All bearings 11-8-2.
(lb) - Max Horiz 1=151 (LC 10)
Max Uplift All uplift 100 (lb) or less at joint(s) 8, 10 except 9=-129 (LC 11), 11=-104 (LC 11), 12=-129 (LC 11), 1=-134 (LC 9)
Max Grav All reactions 250 (lb) or less at joint(s) 8, 9, 11, 12, 1 except 10=316 (LC 11)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 4-10=-300/122

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) 0-0-0 to 3-0-0, Exterior (2) 3-0-0 to 5-10-0, Corner (3) 5-10-0 to 8-10-0, Exterior (2) 8-10-0 to 11-8-2 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) 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) 10, 8 except (jt=lb) 1=133, 11=103, 12=128, 9=128, 1=133.
9) 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	225 Chicora Club-Roof
Q-2002369-1	T8GRD	Roof Special Girder	1	2	Job Reference (optional)



Scale = 1:52.7

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

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	0.40	Vert(LL)	-0.05	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.69	Vert(CT)	-0.11	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.76	Horz(CT)	0.20	6	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 270 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 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.

REACTIONS (lb/size) 6=2768/0-5-8, (min. 0-2-3), 10=2773/0-5-8, (min. 0-2-3)
Max Horiz 10=234 (LC 6)
Max Uplift 6=-353 (LC 7), 10=-353 (LC 7)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-11=-5248/682, 2-11=-4634/628, 2-3=-2651/404, 3-4=-2651/404, 4-12=-4621/539, 5-12=-5246/582, 1-10=-2786/375, 5-6=-2781/355
BOT CHORD 9-10=-359/373, 9-13=-520/3083, 13-14=-520/3083, 8-14=-520/3083, 8-15=-353/3086, 15-16=-353/3086, 7-16=-353/3086
WEBS 3-8=-509/3673, 4-8=-1627/291, 4-7=-210/2038, 5-7=-378/3438, 2-8=-1624/336, 2-9=-415/2053, 1-9=-407/3436

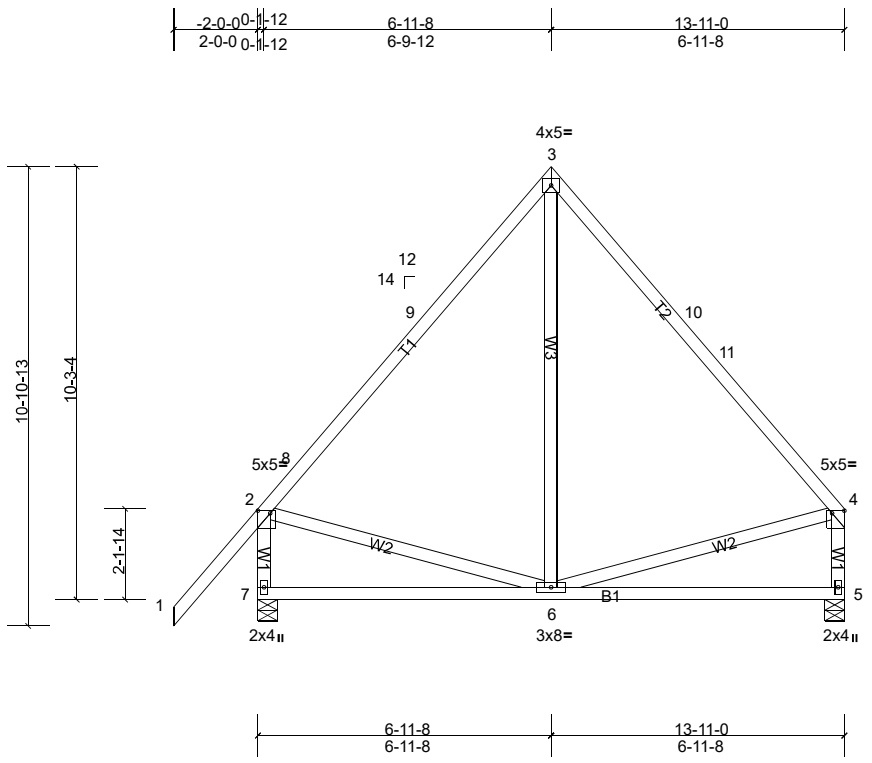
NOTES
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Web connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) 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) Bearing at joint(s) 10, 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 353 lb uplift at joint 10 and 353 lb uplift at joint 6.
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 10-0-0 oc max. starting at 1-11-4 from the left end to 11-11-4 to connect truss (es) T1 (1 ply 2x4 SP), T3 (1 ply 2x4 SP) to back face of top chord.
10) 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 3-11-4 from the left end to 9-11-4 to connect truss(es) T2B (1 ply 2x4 SP) to back face of bottom chord.
11) Fill all nail holes where hanger is in contact with lumber.
12) WARNING: The following hangers are manually applied but fail due to geometric considerations: JUS26 on back face at 1-11-4 from the left end, JUS26 on back face at 11-11-4 from the left end.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-3=-60, 3-5=-60, 9-10=-20, 7-9=-20, 6-7=-20

Continued on page 2

Concentrated Loads (lb)
Vert: 11=-701 (B), 12=-713 (B), 13=-759 (B), 14=-759 (B), 15=-759 (B), 16=-759 (B)

Job	Truss	Truss Type	Qty	Ply	225 Chicora Club-Roof
Q-2002369-1	T9	Common	9	1	Job Reference (optional)



Scale = 1:54.7

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

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	0.93	Vert(LL)	0.01	6-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.21	Vert(CT)	-0.04	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 98 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, 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) 5=535/0-5-8, (min. 0-1-8), 7=684/0-5-8, (min. 0-1-8)
Max Horiz 7=266 (LC 10)
Max Uplift 5=-67 (LC 11), 7=-142 (LC 11)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-480/87, 8-9=-342/114, 3-9=-326/143, 3-10=-316/127, 10-11=-341/95, 4-11=-468/92, 2-7=-624/176, 4-5=-475/101
BOT CHORD 6-7=-246/316

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) -2-0-0 to 1-0-0, Interior (1) 1-0-0 to 6-11-8, Exterior (2) 6-11-8 to 9-11-8, Interior (1) 9-11-8 to 13-9-4 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.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 142 lb uplift at joint 7 and 67 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	225 Chicora Club-Roof
Q-2002369-1	T9A	Scissor	9	1	Job Reference (optional)

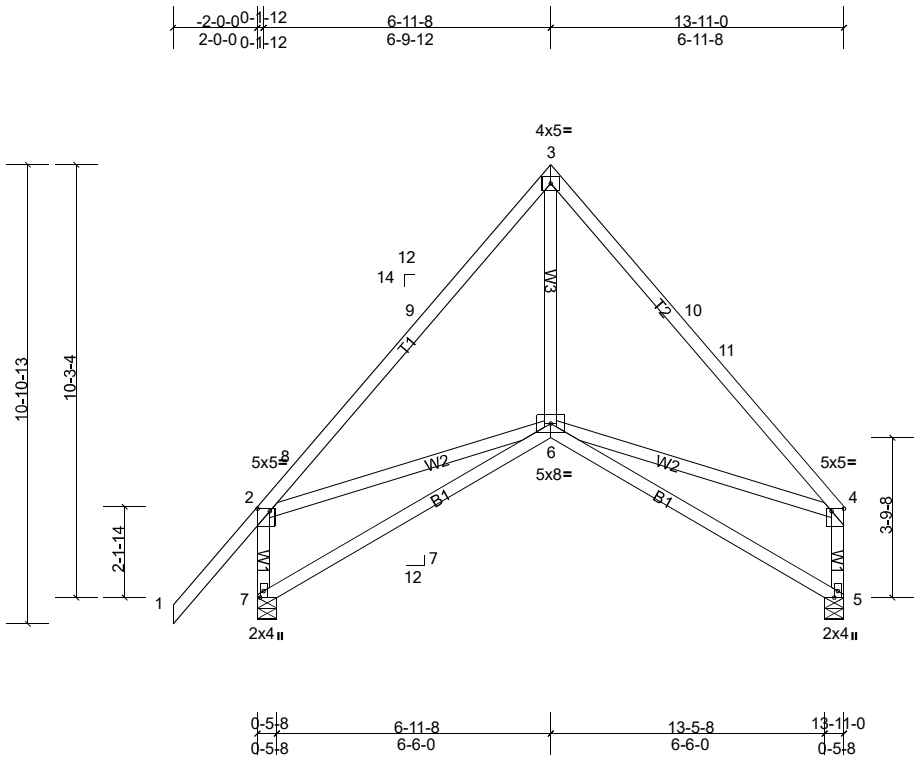


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Plate Offsets (X, Y): [2:0-3-8,0-0-12], [4:Edge,0-0-12]

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	0.62	Vert(LL)	-0.01	6	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.20	Vert(CT)	-0.08	5-6	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.03	5	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 96 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3 *Except* W1:2x4 SP No.2

REACTIONS (lb/size) 5=535/0-5-8, (min. 0-1-8), 7=684/0-5-8, (min. 0-1-8)
Max Horiz 7=271 (LC 10)
Max Uplift 5=-69 (LC 11), 7=-141 (LC 11)

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-9-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

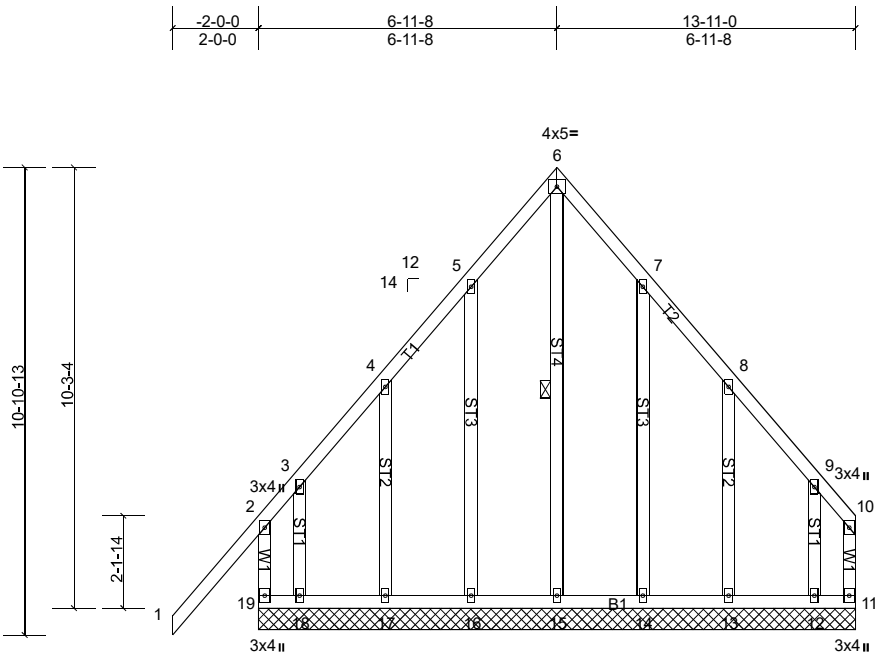
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-666/38, 8-9=-500/66, 3-9=-492/94, 3-10=-555/96, 10-11=-580/63, 4-11=-699/61, 2-7=-675/246, 4-5=-516/152
BOT CHORD 6-7=-318/403
WEBS 3-6=0/464, 2-6=0/302, 4-6=-116/366

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) -2-0-0 to 1-0-0, Interior (1) 1-0-0 to 6-11-8, Exterior (2) 6-11-8 to 9-11-8, Interior (1) 9-11-8 to 13-9-4 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.
4) Bearing at joint(s) 7, 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 141 lb uplift at joint 7 and 69 lb uplift at joint 5.
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	225 Chicora Club-Roof
Q-2002369-1	T9GE	Common Supported Gable	2	1	Job Reference (optional)



Scale = 1:53.7

13-11-0

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	0.42	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.15	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.26	Horz(CT)	0.00	11	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MR							Weight: 122 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 6-0-0 oc bracing.
WEBS	1 Row at midpt 6-15

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

REACTIONS All bearings 13-11-0.

(lb) - Max Horiz 19=266 (LC 10)

Max Uplift All uplift 100 (lb) or less at joint(s) 14, 16 except 11=-390 (LC 10), 12=-243 (LC 9), 13=-130 (LC 11), 17=-122 (LC 11), 18=-292 (LC 10), 19=-267 (LC 7)

Max Grav All reactions 250 (lb) or less at joint(s) 13, 14, 16, 17 except 11=370 (LC 9), 12=429 (LC 10), 15=556 (LC 11), 18=354 (LC 9), 19=491 (LC 17)

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

TOP CHORD 2-19=-348/279, 4-5=-202/292, 5-6=-288/395, 6-7=-288/395, 7-8=-202/294

WEBS 6-15=-530/314

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) -2-0-0 to 0-11-8, Exterior (2) 0-11-8 to 6-11-8, Corner (3) 6-11-8 to 9-11-8, Exterior (2) 9-11-8 to 13-9-4 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) 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, 14 except (jt=lb) 19=267, 11=389, 17=122, 18=291, 13=130, 12=242.
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	225 Chicora Club-Roof
Q-2002369-1	T10	Roof Special	6	1	Job Reference (optional)

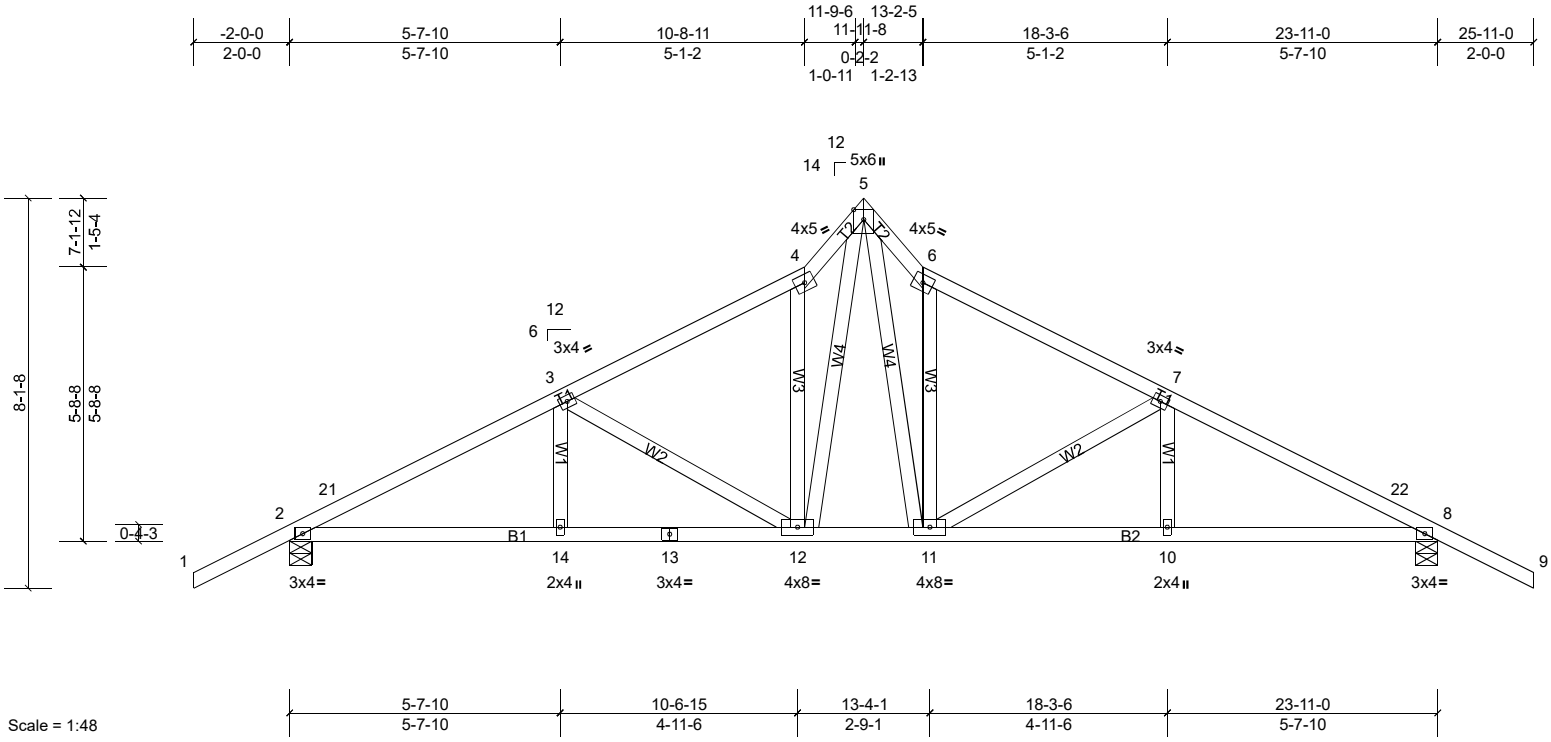


Plate Offsets (X, Y): [5:Edge,0-2-8]

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	0.26	Vert(LL)	-0.07	12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.32	Vert(CT)	-0.15	12-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.46	Horz(CT)	0.05	8	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 143 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 4-7-15 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.

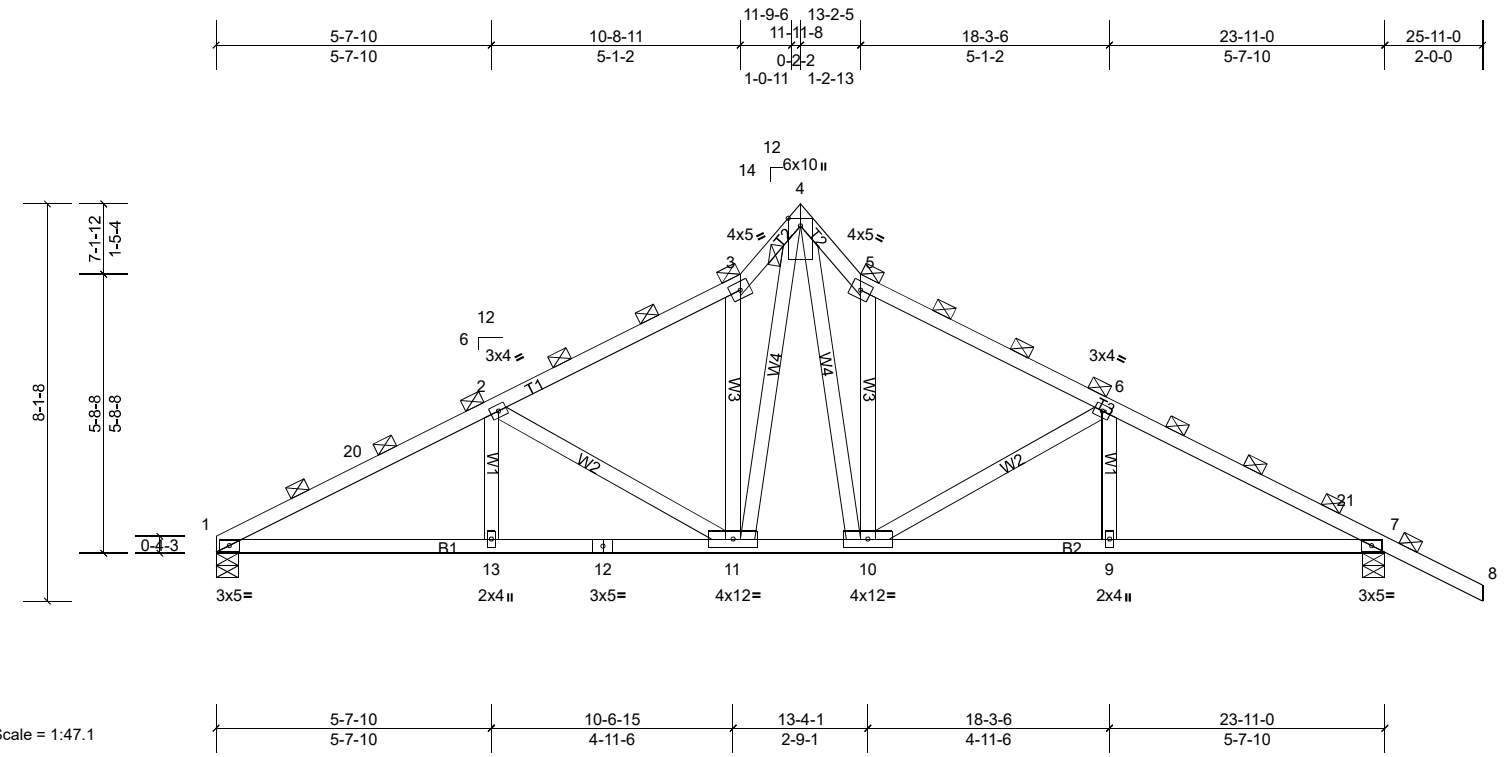
REACTIONS (lb/size) 2=1077/0-5-8, (min. 0-1-11), 8=1077/0-5-8, (min. 0-1-11)
Max Horiz 2=125 (LC 10)
Max Uplift 2=-188 (LC 11), 8=-188 (LC 11)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-21=-1704/170, 3-21=-1692/197, 3-4=-1243/199, 4-5=-1564/353, 5-6=-1564/353, 6-7=-1243/199, 7-22=-1692/197, 8-22=-1704/170
BOT CHORD 2-14=-65/1470, 13-14=-65/1470, 12-13=-65/1470, 11-12=0/840, 10-11=-65/1470, 8-10=-65/1470
WEBS 5-11=-249/1105, 6-11=-762/235, 7-11=-501/103, 5-12=-249/1105, 4-12=-762/235, 3-12=-501/103

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) -2-0-0 to 1-0-0, Interior (1) 1-0-0 to 11-11-8, Exterior (2) 11-11-8 to 13-2-5, Interior (1) 13-2-5 to 25-11-0 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.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 188 lb uplift at joint 2 and 188 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	225 Chicora Club-Roof
Q-2002369-1	T10A	Roof Special	1	1	Job Reference (optional)



Scale = 1:47.1

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

Loading	(psf)	Spacing	3-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.52	Vert(LL)	-0.11	10-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.63	Vert(CT)	-0.23	9-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.69	Horz(CT)	0.07	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

BRACING

TOP CHORD	2-0-0 oc purlins (3-6-3 max.) (Switched from sheeted: Spacing > 2-0-0).
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=1427/0-5-8, (min. 0-2-4), 7=1623/0-5-8, (min. 0-2-9)
Max Horiz 1=-185 (LC 9)
Max Uplift 1=-171 (LC 11), 7=-288 (LC 11)

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

TOP CHORD	1-20=-2600/322, 2-20=-2522/345, 2-3=-1886/314, 3-4=-2366/546, 4-5=-2368/546, 5-6=-1882/312, 6-21=-2554/308, 7-21=-2573/267
BOT CHORD	1-13=-147/2271, 12-13=-147/2271, 11-12=-147/2271, 10-11=0/1273, 9-10=-109/2220, 7-9=-109/2220
WEBS	4-10=-382/1670, 5-10=-1151/358, 6-10=-751/154, 4-11=-386/1675, 3-11=-1142/351, 2-11=-807/197

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 11-11-8, Exterior (2) 11-11-8 to 13-2-5, Interior (1) 13-2-5 to 25-11-0 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.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 171 lb uplift at joint 1 and 288 lb uplift at joint 7.
5) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
6) 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	225 Chicora Club-Roof
Q-2002369-1	T10SE	Roof Special	1	1	Job Reference (optional)

Peak Truss Builders LLC, New Hill, user — Run: 8.31 S Sep 9 2019 Print: 8.310 S Sep 9 2019 MiTek Industries, Inc. Wed Oct 07 13:28:44 — Page: 1

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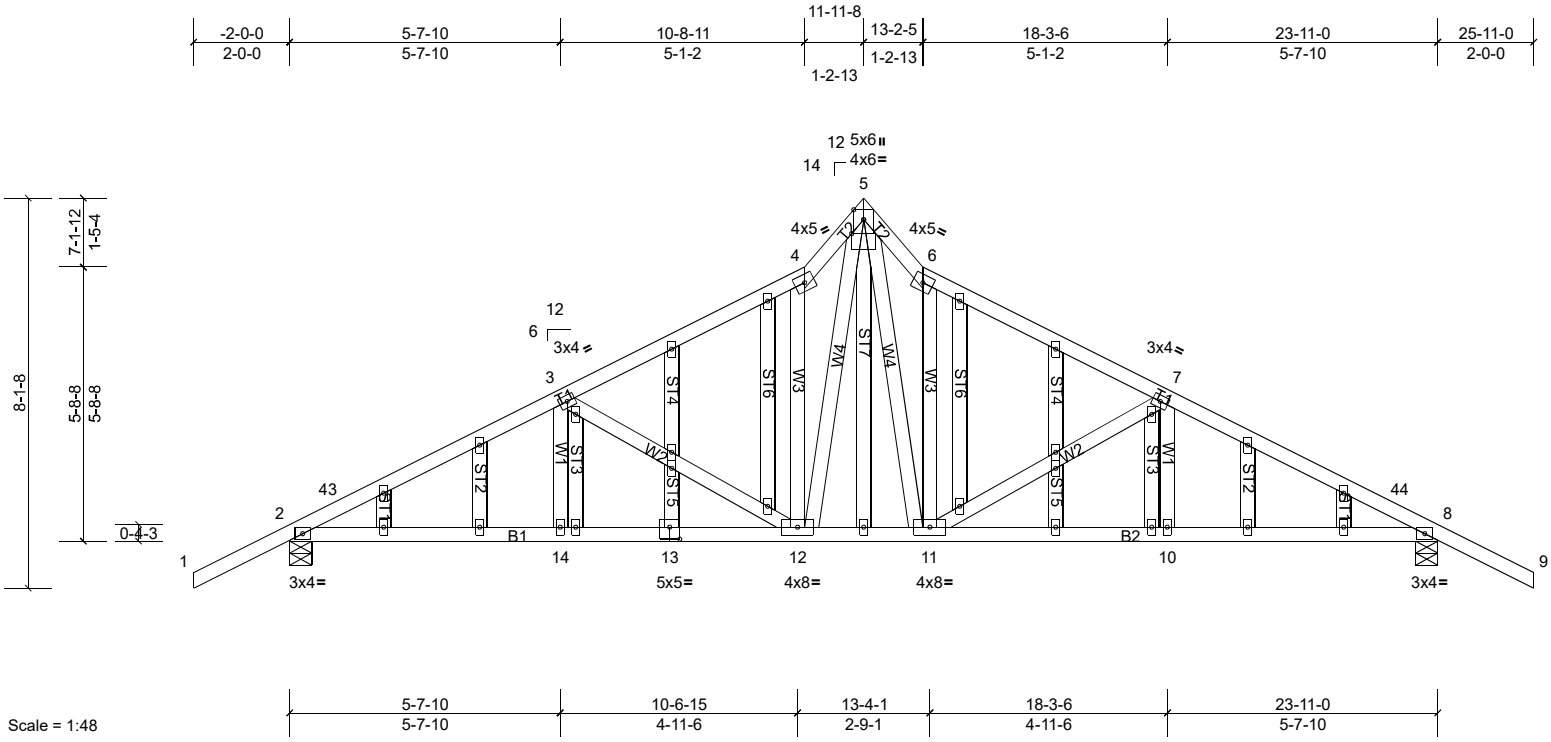

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5-7-10 | 10-6-15 | 13-4-1 | 18-3-6 | 23-11-0

5-7-10 | 4-11-6 | 2-9-1 | 4-11-6 | 5-7-10

Plate Offsets (X, Y): [5:Edge,0-2-8], [5:0-3-0,0-3-8], [13:0-2-8,0-3-0]

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	0.26	Vert(LL)	-0.07	12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.32	Vert(CT)	-0.15	12-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.46	Horz(CT)	0.05	8	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 191 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 4-7-15 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=1077/0-5-8, (min. 0-1-11), 8=1077/0-5-8, (min. 0-1-11)
Max Horiz 2=125 (LC 10)
Max Uplift 2=-188 (LC 11), 8=-188 (LC 11)

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

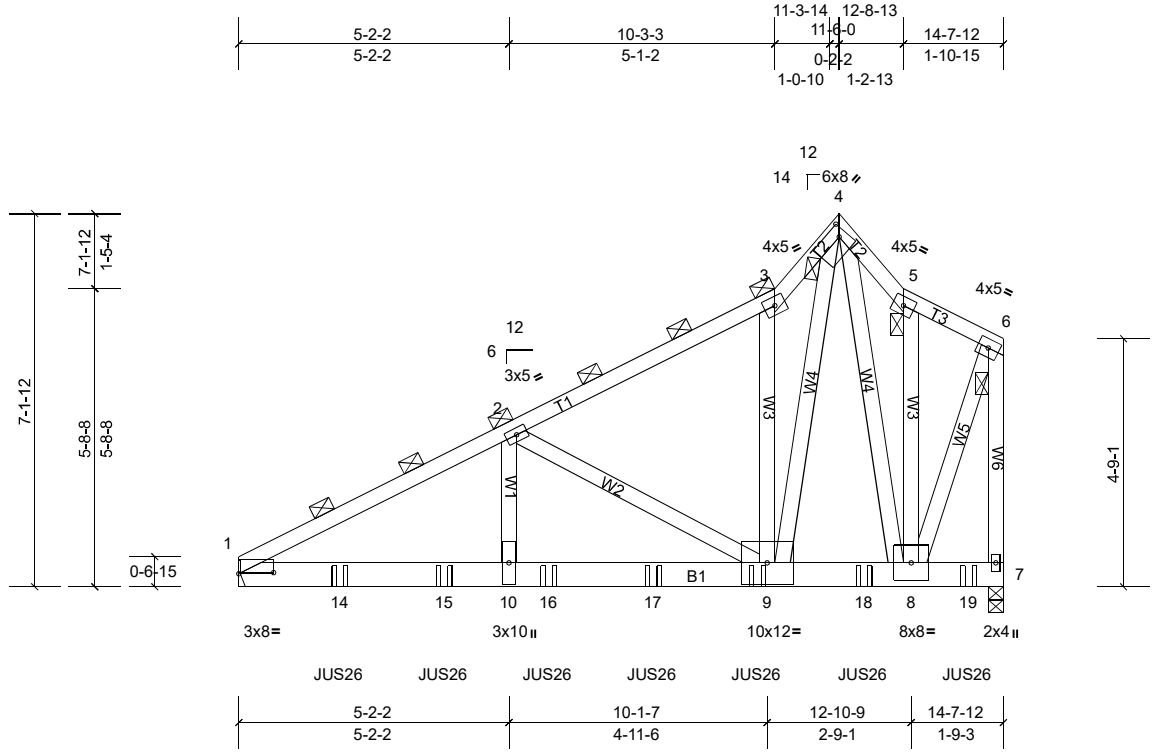
TOP CHORD	2-43=-1704/170, 3-43=-1692/197, 3-4=-1243/199, 4-5=-1564/353, 5-6=-1564/353, 6-7=-1243/199, 7-44=-1692/197, 8-44=-1704/170
BOT CHORD	2-14=-65/1470, 13-14=-65/1470, 12-13=-65/1470, 11-12=0/840, 10-11=-65/1470, 8-10=-65/1470
WEBS	5-11=-249/1105, 6-11=-762/235, 7-11=-501/103, 5-12=-249/1105, 4-12=-762/235, 3-12=-501/103

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) -2-0-0 to 1-0-0, Interior (1) 1-0-0 to 11-11-8, Exterior (2) 11-11-8 to 13-2-5, Interior (1) 13-2-5 to 25-11-0 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.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 188 lb uplift at joint 2 and 188 lb uplift at joint 8.
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	225 Chicora Club-Roof
Q-2002369-1	T11GRD	Roof Special Girder	1	2	Job Reference (optional)



Scale = 1:44.1

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

Loading	(psf)	Spacing	3-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.33	Vert(LL)	-0.07	9-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.86	Vert(CT)	-0.14	9-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.93	Horz(CT)	0.03	7	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 238 lb	FT = 20%

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

BRACING
TOP CHORD 2-0-0 oc purlins (5-9-4 max.), except end verticals (Switched from sheeted: Spacing > 2-0-0).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

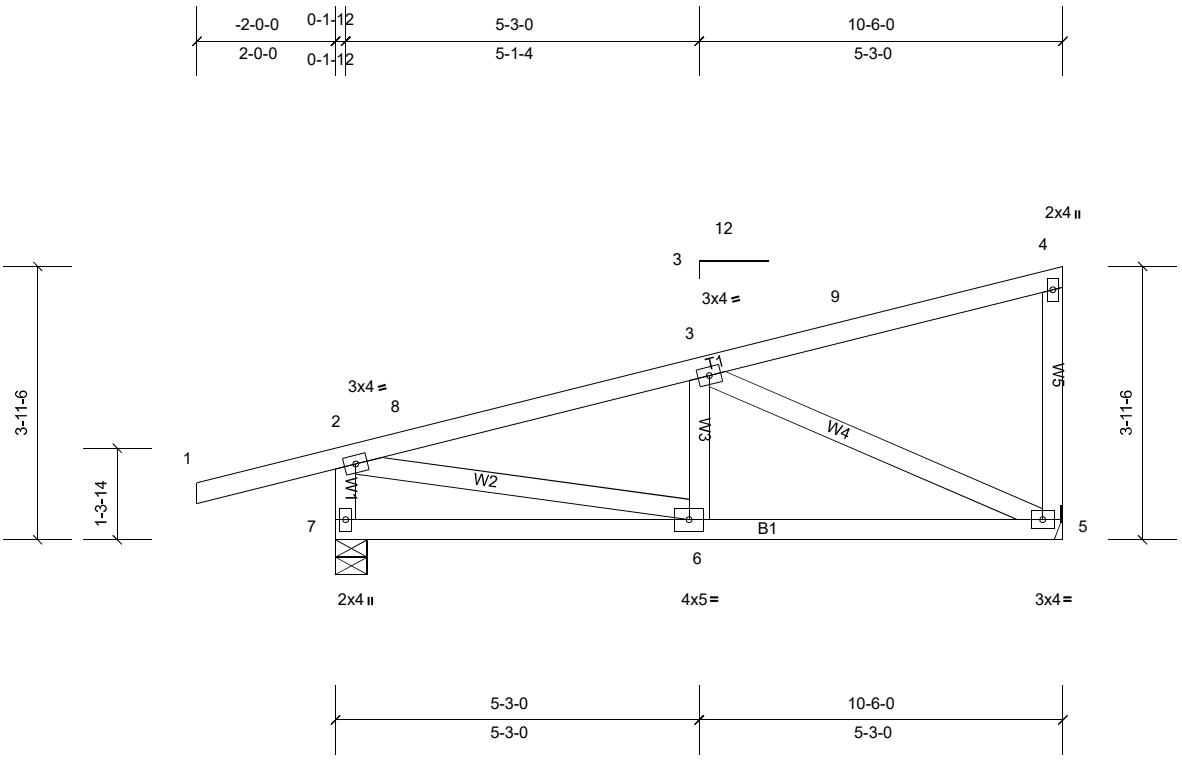
REACTIONS (lb/size) 1=3211/ Mechanical, (min. 0-1-8), 7=3731/0-3-8, (min. 0-2-15)
Max Horiz 1=271 (LC 6)
Max Uplift 1=-444 (LC 7), 7=-550 (LC 7)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-5198/748, 2-3=-2506/412, 3-4=-3199/681, 4-5=-1459/405, 5-6=-1170/266, 6-7=-3288/522
BOT CHORD 1-14=-666/4577, 14-15=-666/4577, 10-15=-666/4577, 10-16=-666/4577, 16-17=-666/4577, 9-17=-666/4577, 9-18=-185/1267, 8-18=-185/1267
WEBS 4-8=-1256/158, 5-8=-590/190, 4-9=-798/4488, 3-9=-1468/406, 2-9=-2806/500, 2-10=-206/2084, 6-8=-379/2844

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 0-9-0 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=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) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 444 lb uplift at joint 1 and 550 lb uplift at joint 7.
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) Use USP JUS26 (With 4-10d nails into Girder & 4-10d nails into Truss) or equivalent spaced at 2-0-8 oc max. starting at 2-4-12 from the left end to 14-5-4 to connect truss(es) T2 (1 ply 2x4 SP), T2A (1 ply 2x4 SP), T1 (1 ply 2x4 SP) to front face of bottom chord.
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: 1-3=-90, 3-4=-90, 4-5=-90, 5-6=-90, 7-11=-30
Concentrated Loads (lb)
Vert: 9=-743 (F), 14=-743 (F), 15=-743 (F), 16=-743 (F), 17=-743 (F), 18=-749 (F), 19=-738 (F)

Job	Truss	Truss Type	Qty	Ply	225 Chicora Club-Roof
Q-2002369-1	T12	Monopitch	4	1	Job Reference (optional)



Scale = 1:33.3

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	0.23	Vert(LL)	-0.01	6	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.15	Vert(CT)	-0.03	5-6	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.32	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 59 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, 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.

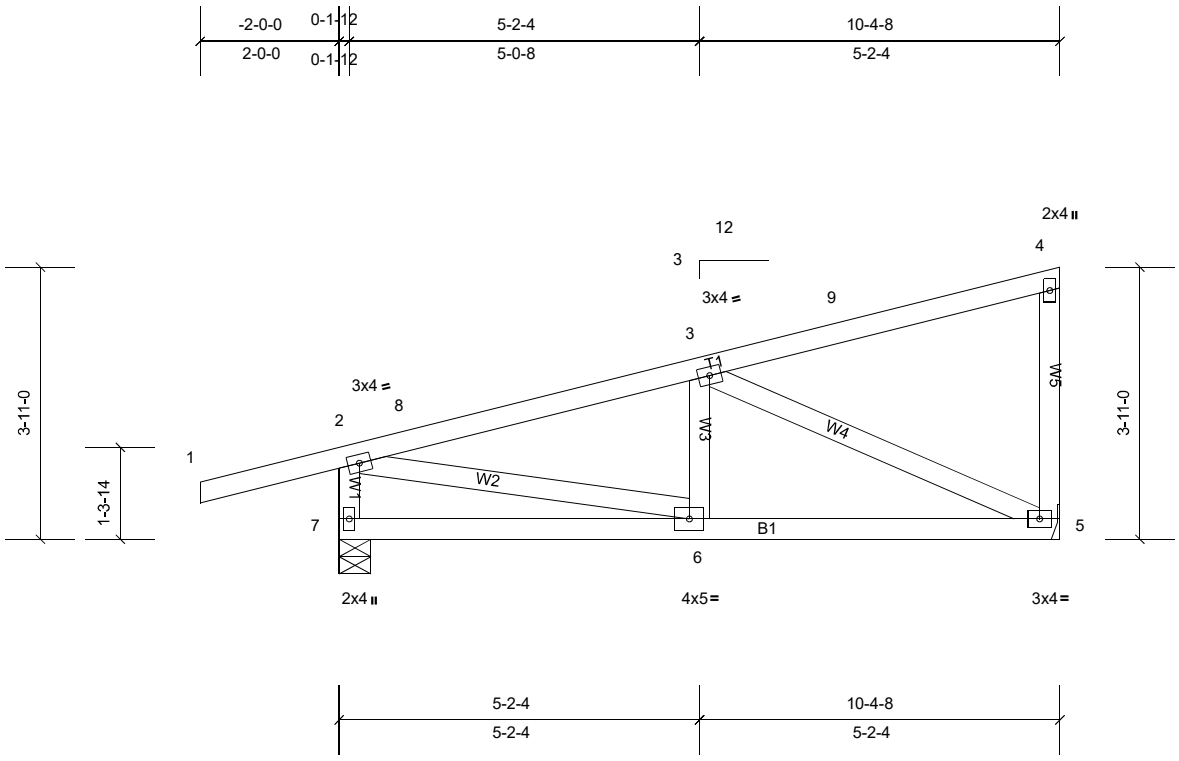
REACTIONS (lb/size) 5=395/ Mechanical, (min. 0-1-8), 7=551/0-5-8, (min. 0-1-8)
Max Horiz 7=120 (LC 8)
Max Uplift 5=-52 (LC 11), 7=-124 (LC 11)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-546/45, 3-8=-479/58, 2-7=-503/166
BOT CHORD 5-6=-112/494
WEBS 3-5=-524/81, 2-6=-34/479

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) -2-0-0 to 1-0-0, Interior (1) 1-0-0 to 10-4-4 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) * 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.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 124 lb uplift at joint 7 and 52 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	225 Chicora Club-Roof
Q-2002369-1	T12A	Monopitch	19	1	Job Reference (optional)



Scale = 1:33.2

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)	-0.01	6	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.15	Vert(CT)	-0.03	5-6	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.31	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 59 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, 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.

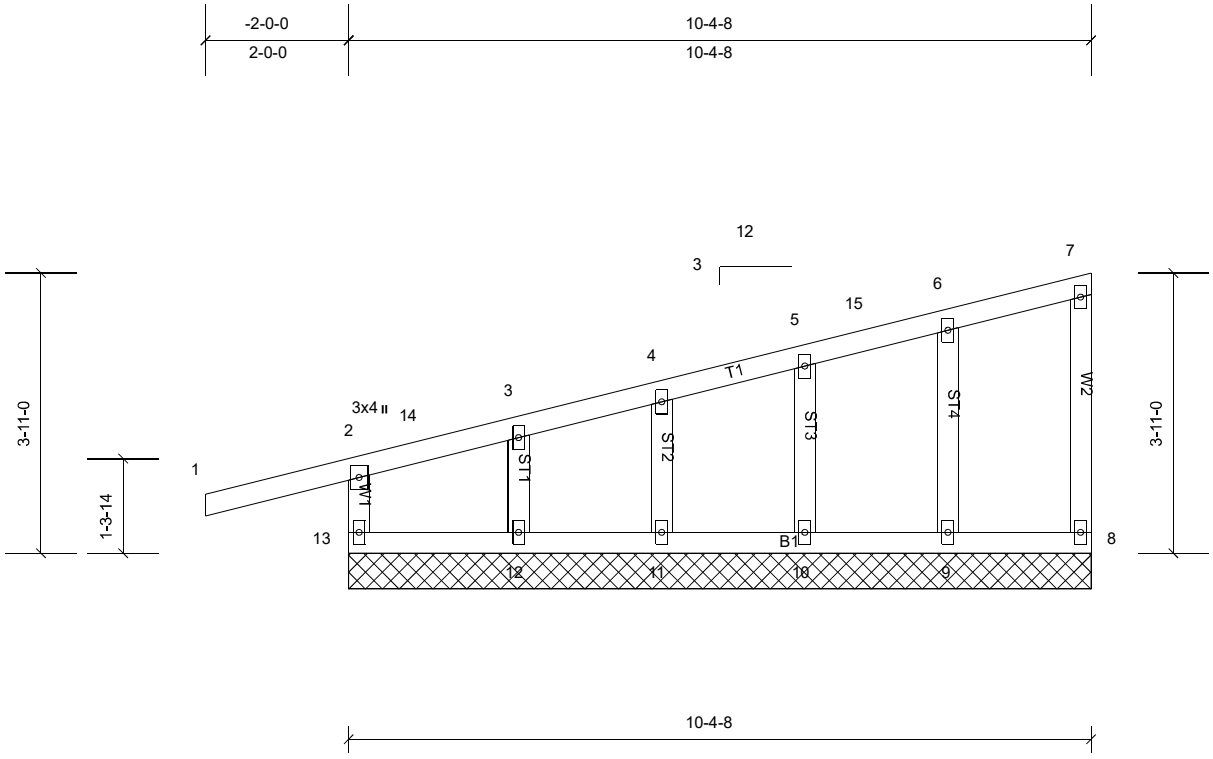
REACTIONS (lb/size) 5=390/ Mechanical, (min. 0-1-8), 7=546/0-5-8, (min. 0-1-8)
Max Horiz 7=119 (LC 8)
Max Uplift 5=-51 (LC 11), 7=-123 (LC 11)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-536/44, 3-8=-470/57, 2-7=-499/165
BOT CHORD 5-6=-112/484
WEBS 3-5=-514/81, 2-6=-34/472

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) -2-0-0 to 1-0-0, Interior (1) 1-0-0 to 10-2-12 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.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 123 lb uplift at joint 7 and 51 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	225 Chicora Club-Roof
Q-2002369-1	T12GE	Roof Special Supported Gable	1	1	Job Reference (optional)



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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.32	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.10	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	8	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MR							Weight: 53 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 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 10-4-8.
(lb) - Max Horiz 13=119 (LC 8)
Max Uplift All uplift 100 (lb) or less at joint(s) 8, 9, 10, 11, 12, 13
Max Grav All reactions 250 (lb) or less at joint(s) 8, 9, 10, 11, 12 except 13=279 (LC 1)

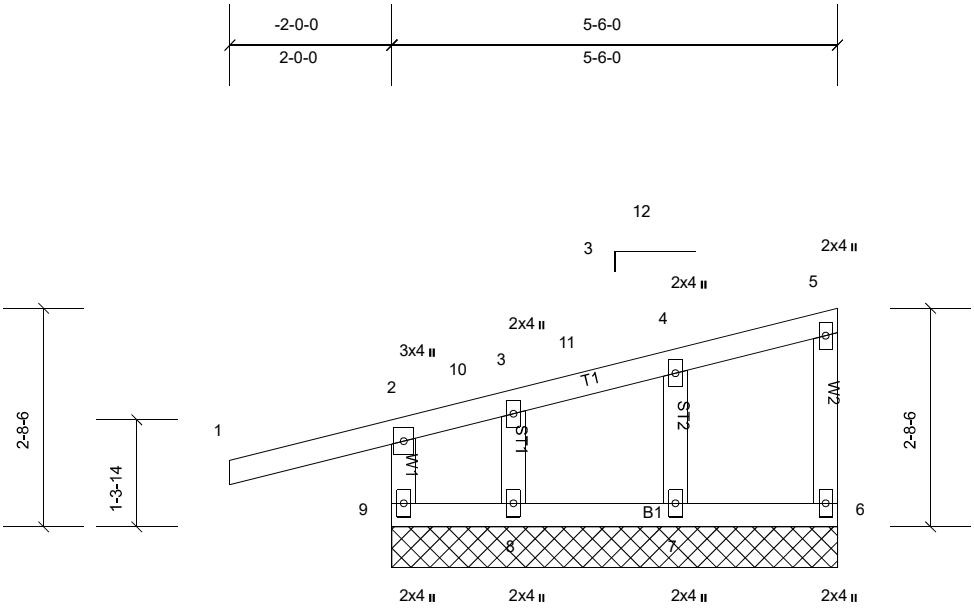
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

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=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) -2-0-0 to 1-0-0, Exterior (2) 1-0-0 to 10-2-12 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 2x4 MT20 unless otherwise indicated.
4) Gable requires continuous bottom chord bearing.
5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
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) 13, 8, 9, 10, 11, 12.
9) 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	225 Chicora Club-Roof
Q-2002369-1	T13GE	Monopitch	1	1	Job Reference (optional)



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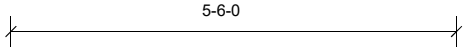


Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.26	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	n/a	-	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MR							Weight: 28 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 5-6-0 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 5-6-0.
(lb) - Max Horiz 9=80 (LC 8)
Max Uplift All uplift 100 (lb) or less at joint(s) 6, 7, 8 except 9=-103 (LC 11)
Max Grav All reactions 250 (lb) or less at joint(s) 6, 7, 8 except 9=286 (LC 1)

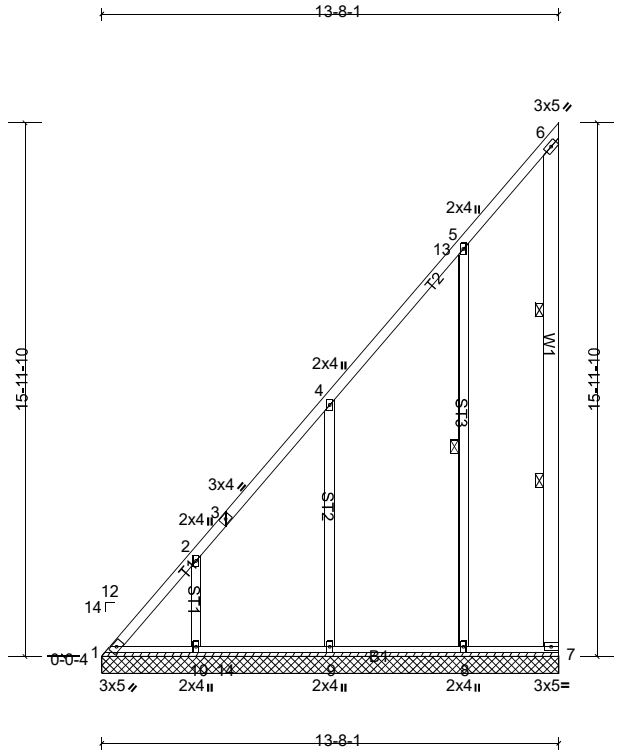
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-9=-260/333

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) -2-0-0 to 1-0-0, Exterior (2) 1-0-0 to 5-4-4 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) 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) Gable requires continuous bottom chord bearing.
4) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
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) 6, 7, 8 except (jt=lb) 9=102.
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	225 Chicora Club-Roof
Q-2002369-1	V1	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	0.73	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.39	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.41	Horiz(TL)	0.00	7	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 120 lb	FT = 20%

LUMBER

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

REACTIONS All bearings 13-8-1.
(lb) - Max Horiz 1=483 (LC 8)
Max Uplift All uplift 100 (lb) or less at joint(s) except 1=-211 (LC 9), 7=-203 (LC 10), 8=-215 (LC 11), 9=-239 (LC 11), 10=-162 (LC 11)
Max Grav All reactions 250 (lb) or less at joint(s) 7 except 1=402 (LC 8), 8=436 (LC 16), 9=523 (LC 16), 10=373 (LC 16)

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

TOP CHORD	1-2=-879/853, 2-3=-716/642, 3-4=-699/696, 4-13=-498/489, 5-13=-461/494
BOT CHORD	1-10=-215/264
WEBS	4-9=-376/302, 2-10=-286/213, 5-8=-382/297

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 5-8
WEBS	2 Rows at 1/3 pts 6-7

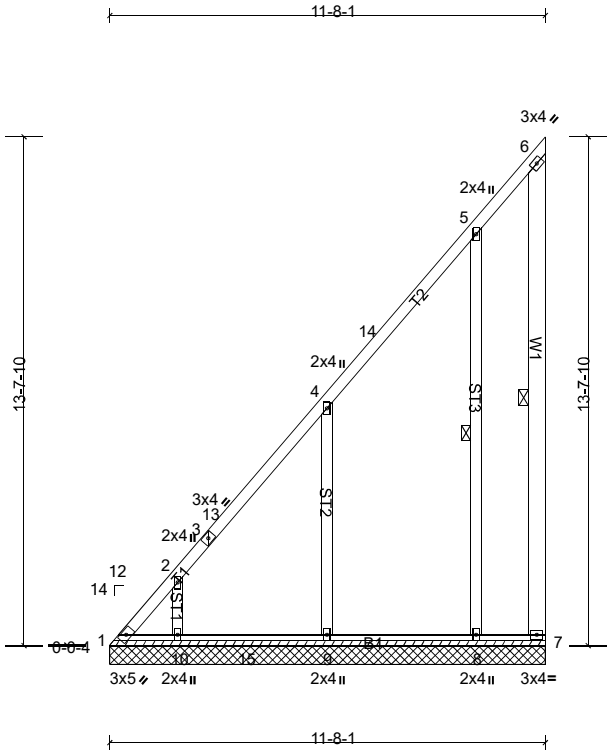
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

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) 0-0-3 to 2-10-0, Interior (1) 2-10-0 to 13-5-8 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
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 211 lb uplift at joint 1, 202 lb uplift at joint 7, 238 lb uplift at joint 9, 162 lb uplift at joint 10 and 215 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	225 Chicora Club-Roof
Q-2002369-1	V2	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	0.52	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.29	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.29	Horiz(TL)	0.00	7	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 102 lb	FT = 20%

LUMBER

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

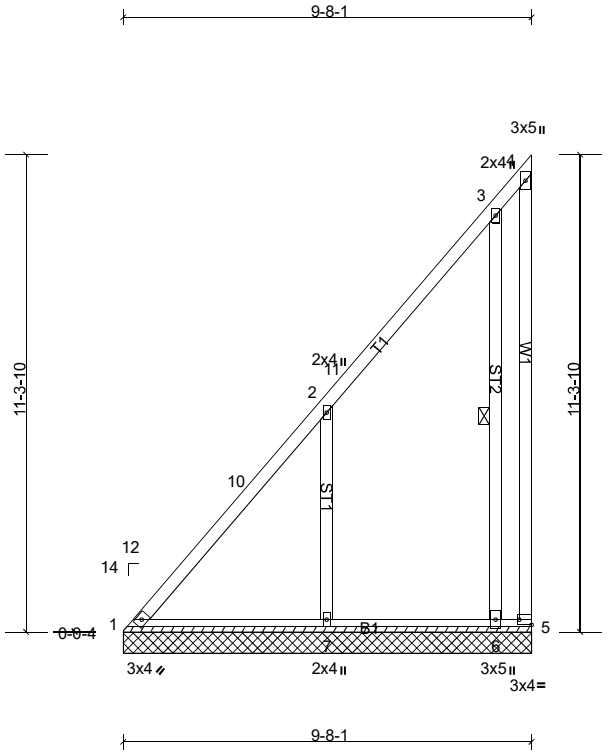
REACTIONS All bearings 11-8-1.
(lb) - Max Horiz 1=410 (LC 8)
Max Uplift All uplift 100 (lb) or less at joint(s) except 1=-207 (LC 9), 7=-190 (LC 10), 8=-196 (LC 11), 9=-243 (LC 11), 10=-130 (LC 11)
Max Grav All reactions 250 (lb) or less at joint(s) 7 except 1=340 (LC 8), 8=372 (LC 16), 9=523 (LC 16), 10=306 (LC 16)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-810/775, 2-3=-663/575, 3-13=-653/587, 4-13=-647/630, 4-14=-426/359, 5-14=-407/414
WEBS 4-9=-380/300, 2-10=-271/206, 5-8=-370/312

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) 0-0-3 to 3-0-3, Interior (1) 3-0-3 to 11-5-8 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
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 206 lb uplift at joint 1, 190 lb uplift at joint 7, 242 lb uplift at joint 9, 129 lb uplift at joint 10 and 196 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	225 Chicora Club-Roof
Q-2002369-1	V3	Valley	1	1	Job Reference (optional)



Scale = 1:54.6

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	0.73	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.24	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.22	Horiz(TL)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 74 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 3-6

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

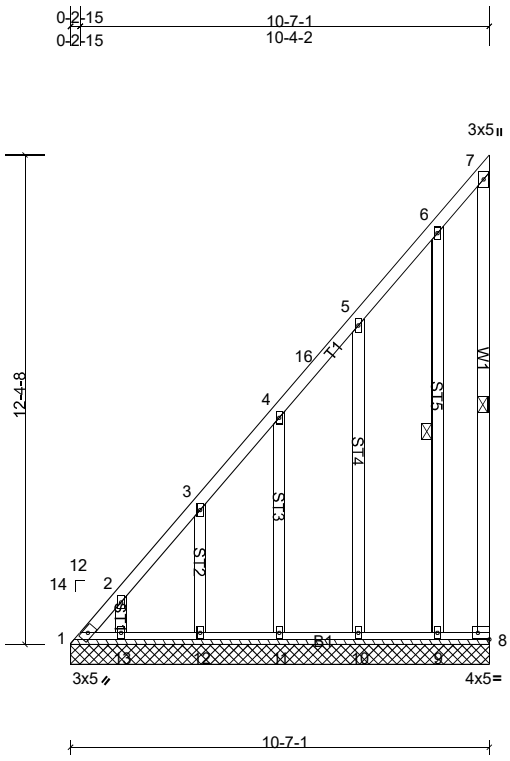
REACTIONS All bearings 9-8-1.
(lb) - Max Horiz 1=340 (LC 8)
Max Uplift All uplift 100 (lb) or less at joint(s) 1 except 5=-220 (LC 17), 6=-190 (LC 11), 7=-270 (LC 11)
Max Grav All reactions 250 (lb) or less at joint(s) 5 except 1=288 (LC 17), 6=375 (LC 16), 7=551 (LC 16)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-10=-611/547, 2-10=-577/584, 2-11=-345/275, 3-11=-325/330
BOT CHORD 1-7=-186/266
WEBS 2-7=-414/304, 3-6=-441/401

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) 0-0-3 to 3-0-3, Interior (1) 3-0-3 to 9-6-8 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
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=220, 7=270, 6=190.
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	225 Chicora Club-Roof
Q-2002369-1	V4	Valley	1	1	Job Reference (optional)



Scale = 1:58.2

Plate Offsets (X, Y): [8: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	0.82	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	0.24	Horiz(TL)	0.00	8	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 98 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 10-0-0 oc bracing.
WEBS	1 Row at midpt 7-8, 6-9

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

REACTIONS All bearings 10-7-1.
(lb) - Max Horiz 1=374 (LC 8)
Max Uplift All uplift 100 (lb) or less at joint(s) 13 except 1=-173 (LC 9), 8=-174 (LC 10), 9=-124 (LC 11), 10=-102 (LC 11), 11=-115 (LC 11), 12=-123 (LC 11)
Max Grav All reactions 250 (lb) or less at joint(s) 8, 9, 10, 11, 12, 13 except 1=296 (LC 8)

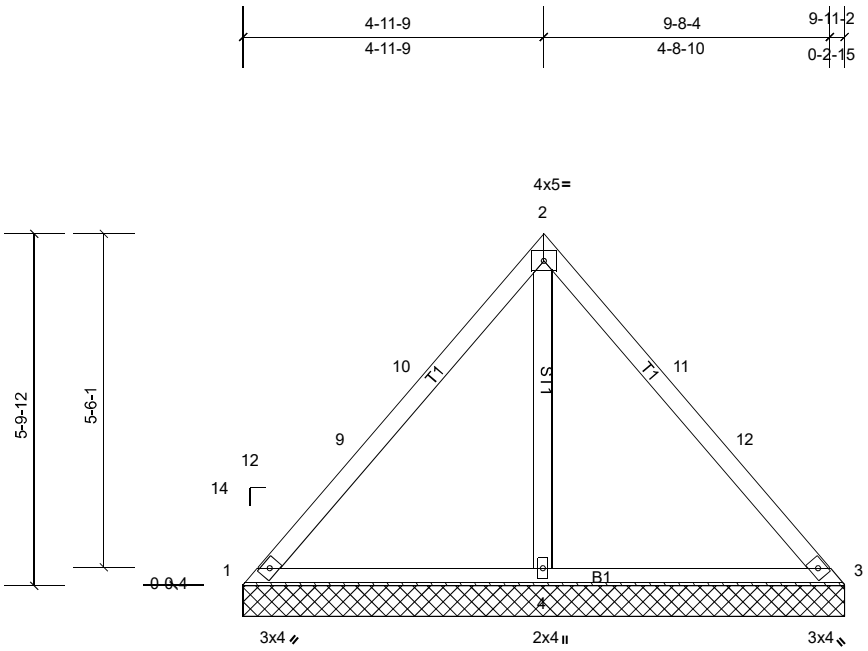
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-731/684, 2-3=-679/631, 3-4=-562/522, 4-16=-451/406, 5-16=-434/423, 5-6=-322/321
WEBS 6-9=-294/253

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) 0-0-3 to 3-3-8, Interior (1) 3-3-8 to 10-5-8 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
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 2x4 MT20 unless otherwise indicated.
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) 13 except (jt=lb) 8=174, 1=173, 11=115, 12=122, 10=101, 9=124.
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	225 Chicora Club-Roof
Q-2002369-1	V5	Valley	1	1	Job Reference (optional)



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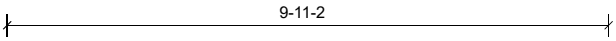


Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.21	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.21	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.29	Horiz(TL)	0.01	3	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 44 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=52/9-11-2, (min. 0-1-8), 3=54/9-11-2, (min. 0-1-8), 4=688/9-11-2, (min. 0-1-8)
Max Horiz 1=124 (LC 10)
Max Uplift 1=-13 (LC 21), 3=-11 (LC 20), 4=-232 (LC 11)
Max Grav 1=86 (LC 20), 3=88 (LC 21), 4=688 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-10=-99/273, 2-11=-98/256
WEBS 2-4=-526/239

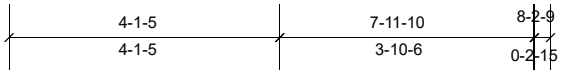
BRACING
TOP CHORD Structural wood sheathing directly applied or 9-11-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

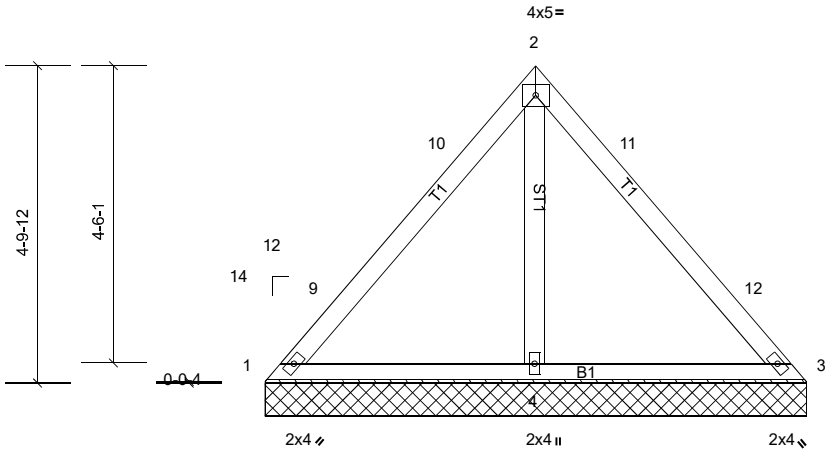
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

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) 0-0-3 to 3-0-3, Interior (1) 3-0-3 to 4-11-13, Exterior (2) 4-11-13 to 7-11-13, Interior (1) 7-11-13 to 9-11-6 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 13 lb uplift at joint 1, 11 lb uplift at joint 3 and 232 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	225 Chicora Club-Roof
Q-2002369-1	V6	Valley	1	1	Job Reference (optional)





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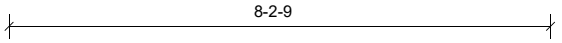


Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.16	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.16	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.16	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MP							Weight: 36 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 8-2-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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

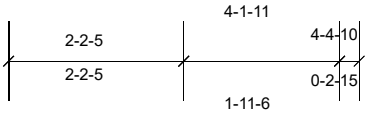
REACTIONS (lb/size) 1=46/8-2-9, (min. 0-1-8), 3=48/8-2-9, (min. 0-1-8), 4=563/8-2-9, (min. 0-1-8)
Max Horiz 1=-101 (LC 9)
Max Uplift 1=-7 (LC 21), 3=-6 (LC 20), 4=-196 (LC 11)
Max Grav 1=75 (LC 20), 3=77 (LC 21), 4=563 (LC 1)

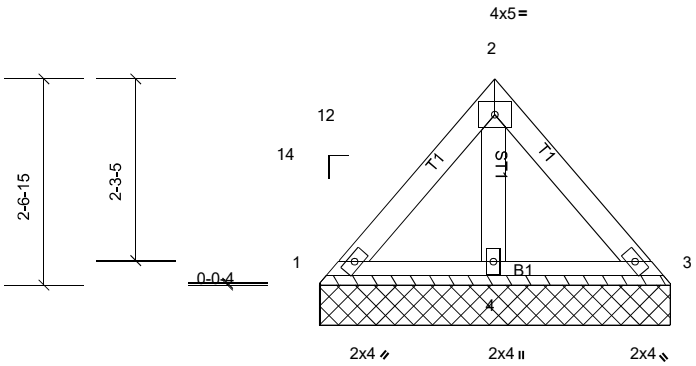
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-4=-412/204

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) 0-0-3 to 3-0-3, Interior (1) 3-0-3 to 4-1-8, Exterior (2) 4-1-8 to 7-1-8, Interior (1) 7-1-8 to 8-2-13 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) 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 7 lb uplift at joint 1, 6 lb uplift at joint 3 and 196 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	225 Chicora Club-Roof
Q-2002369-1	V7	Valley	1	1	Job Reference (optional)





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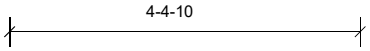


Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.03	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.05	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MP							Weight: 18 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 4-4-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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

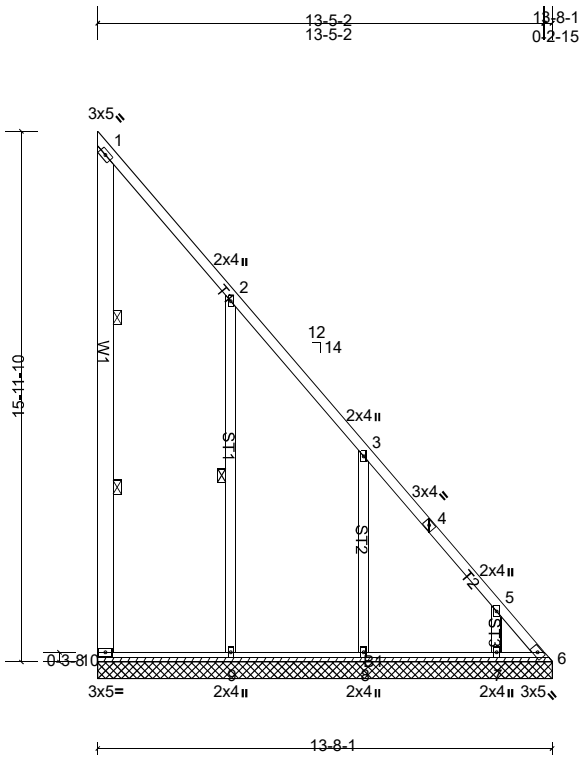
REACTIONS (lb/size) 1=55/4-4-10, (min. 0-1-8), 3=57/4-4-10, (min. 0-1-8), 4=239/4-4-10, (min. 0-1-8)
Max Horiz 1=-52 (LC 9)
Max Uplift 4=-56 (LC 11)
Max Grav 1=62 (LC 20), 3=64 (LC 21), 4=239 (LC 1)

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=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 56 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	225 Chicora Club-Roof
Q-2002369-1	V8	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	0.87	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.42	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.27	Horiz(TL)	0.01	6	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 114 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.1
BOT CHORD	2x4 SP No.1
WEBS	2x6 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 7-4-12 oc bracing.
WEBS	1 Row at midpt 2-9
WEBS	2 Rows at 1/3 pts 1-10

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

REACTIONS All bearings 13-8-1.
(lb) - Max Horiz 10=-483 (LC 7)
Max Uplift All uplift 100 (lb) or less at joint(s) 7 except 6=-224 (LC 10), 8=-233 (LC 11), 9=-244 (LC 11), 10=-185 (LC 9)
Max Grav All reactions 250 (lb) or less at joint(s) 10 except 6=352 (LC 7), 7=270 (LC 1), 8=447 (LC 17), 9=520 (LC 17)

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

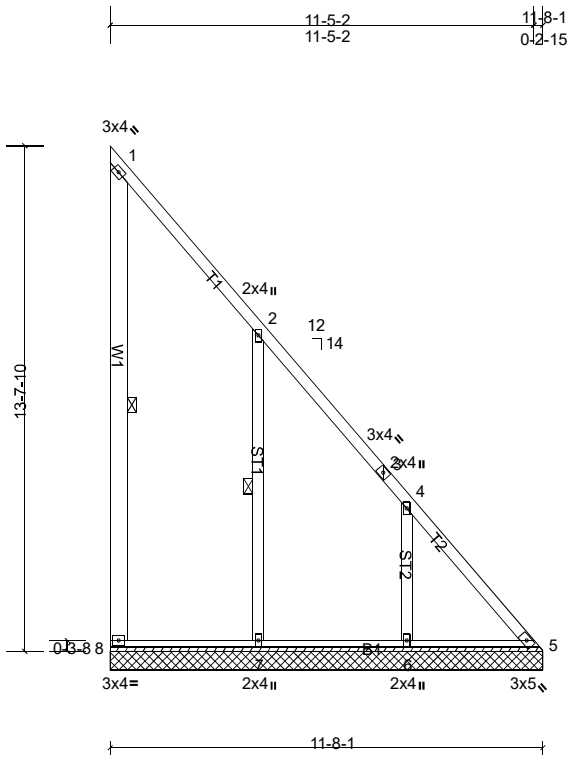
TOP CHORD	1-10=-297/227, 1-2=-294/339, 2-3=-584/606, 3-4=-809/797, 4-5=-827/766, 5-6=-978/923
BOT CHORD	9-10=-608/663, 8-9=-608/663, 7-8=-608/663, 6-7=-608/663
WEBS	2-9=-419/334, 3-8=-366/306, 5-7=-265/206

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) 0-2-12 to 3-2-12, Exterior (2) 3-2-12 to 13-8-1 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 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) Gable requires continuous bottom chord bearing.
4) Gable studs spaced at 4-0-0 oc.
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) 7 except (jt=lb) 10=184, 9=244, 8=232, 6=223.
7) 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	225 Chicora Club-Roof
Q-2002369-1	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	0.66	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.30	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.16	Horiz(TL)	0.01	5	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 92 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.1
BOT CHORD	2x4 SP No.1
WEBS	2x6 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 8-1-12 oc bracing.
WEBS	1 Row at midpt 1-8, 2-7

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

REACTIONS All bearings 11-8-1.
(lb) - Max Horiz 8=-410 (LC 7)
Max Uplift All uplift 100 (lb) or less at joint(s) except 5=-127 (LC 10), 6=-191 (LC 11), 7=-250 (LC 11), 8=-148 (LC 9)
Max Grav All reactions 250 (lb) or less at joint(s) 8 except 5=316 (LC 7), 6=435 (LC 17), 7=524 (LC 17)

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

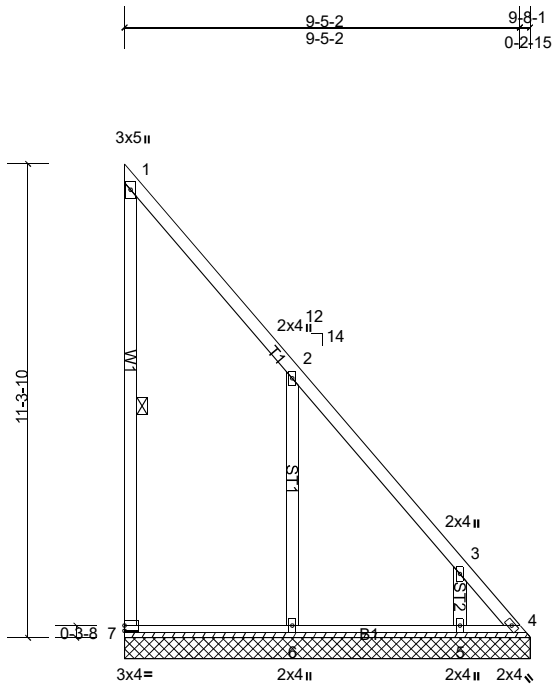
TOP CHORD	1-8=-290/222, 1-2=-279/320, 2-3=-545/585, 3-4=-578/530, 4-5=-779/746
BOT CHORD	7-8=-531/583, 6-7=-531/583, 5-6=-531/583
WEBS	2-7=-417/345, 4-6=-342/279

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) 0-2-12 to 3-2-12, Exterior (2) 3-2-12 to 11-8-1 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 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) Gable requires continuous bottom chord bearing.
4) Gable studs spaced at 4-0-0 oc.
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 148 lb uplift at joint 8, 250 lb uplift at joint 7, 191 lb uplift at joint 6 and 126 lb uplift at joint 5.
7) 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	225 Chicora Club-Roof
Q-2002369-1	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	0.89	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.59	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.39	Horiz(TL)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 63 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 7-9-15 oc bracing.
WEBS	1 Row at midpt 1-7

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

REACTIONS All bearings 9-8-1.
(lb) - Max Horiz 7=-337 (LC 7)
Max Uplift All uplift 100 (lb) or less at joint(s) 5, 7, 4 except 6=-374 (LC 11)
Max Grav All reactions 250 (lb) or less at joint(s) 7, 4 except 5=427 (LC 16), 6=549 (LC 17)

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

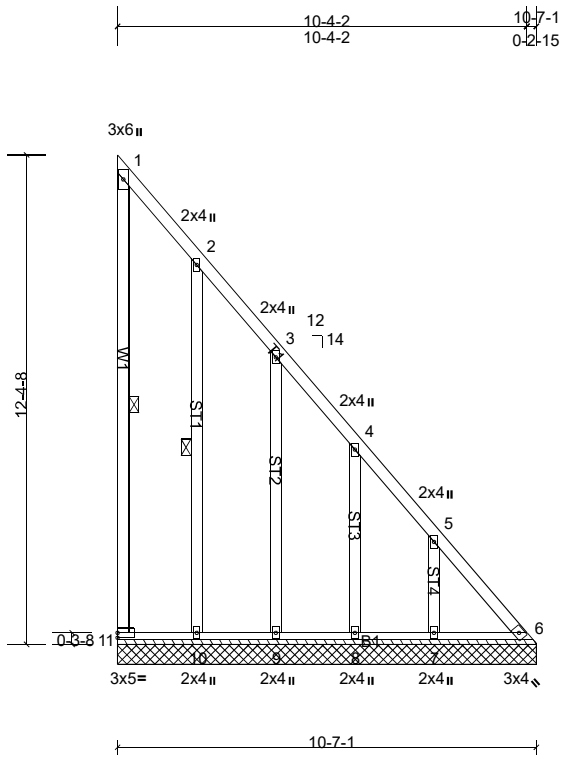
TOP CHORD	1-2=-245/277, 2-3=-630/625, 3-4=-605/568
BOT CHORD	6-7=-453/499, 5-6=-453/499, 4-5=-453/499
WEBS	2-6=-528/464

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) 0-1-12 to 3-1-12, Exterior (2) 3-1-12 to 9-4-7 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) Gable requires continuous bottom chord bearing.
4) Gable studs spaced at 4-0-0 oc.
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) 7, 4, 5, 4 except (jt=lb) 6=373.
7) 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	225 Chicora Club-Roof
Q-2002369-1	V11	Valley	1	1	Job Reference (optional)



Scale = 1:58.2

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	0.75	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.89	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.20	Horiz(TL)	0.01	6	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 92 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 5-9-1 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 1-11, 2-10

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

REACTIONS All bearings 10-7-1.
(lb) - Max Horiz 11=-371 (LC 7)
Max Uplift All uplift 100 (lb) or less at joint(s) 9, 6 except 7=-186 (LC 10), 8=-521 (LC 11), 10=-133 (LC 11), 11=-168 (LC 9)
Max Grav All reactions 250 (lb) or less at joint(s) 9, 10, 11, 6 except 7=709 (LC 16), 8=375 (LC 10)

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

TOP CHORD	2-3=-372/416, 3-4=-442/458, 4-5=-810/757, 5-6=-591/578
BOT CHORD	10-11=-489/535, 9-10=-489/535, 8-9=-489/535, 7-8=-489/535, 6-7=-489/535
WEBS	2-10=-308/238, 4-8=-434/461, 5-7=-310/196

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) 0-1-12 to 3-1-12, Exterior (2) 3-1-12 to 10-3-7 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 2x4 MT20 unless otherwise indicated.
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) 6, 9, 6 except (jt=lb) 11=168, 10=133, 8=521, 7=185.
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