Job	Truss	Truss Type	Qty	Ply	Lamco / Yarbrough model
Yarborough 6-12	T1GR	Monopitch Girder	1	2	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Jun 8 2021 Print: 8.500 S Jun 8 2021 MiTek Industries, Inc. Tue Oct 12 11:11:40 — Page: 1

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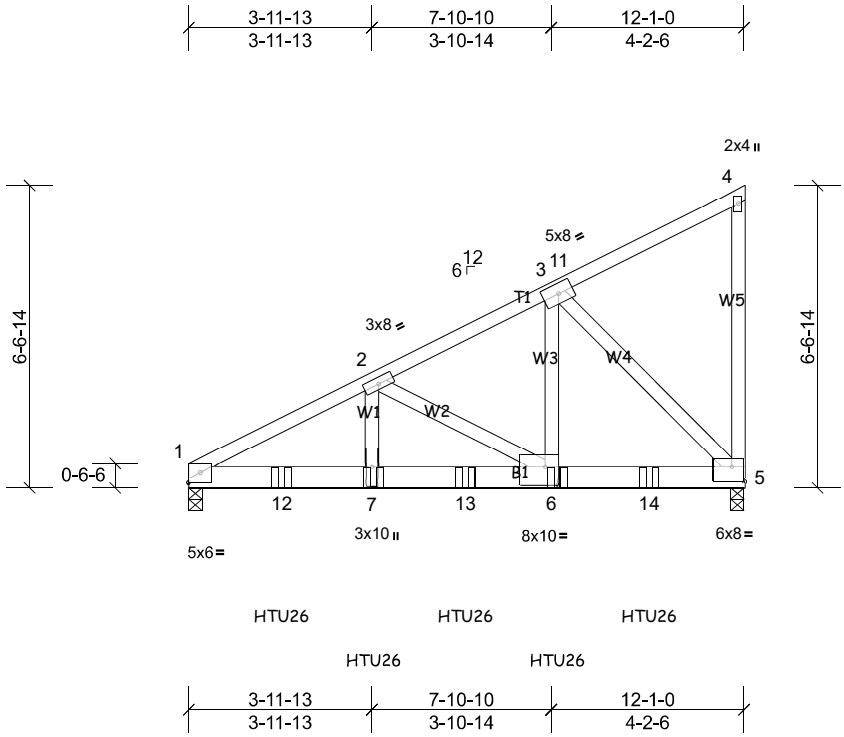


Scale = 1:50.1

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

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	0.36	Vert(LL)	0.07	6-7	>999	240	MT20	244/190
Snow (Pf/Pg)	20.8/30.0	Lumber DOL	1.15	BC	0.44	Vert(TL)	-0.14	6-7	>999	180		
TCDL	10.0	Rep Stress Incr	NO	WB	0.82	Horiz(TL)	0.03	5	n/a	n/a		
BCLL	0.0 *	Code	IRC2012/TPI2007	Matrix-MSH								
BCDL	10.0										Weight: 159 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.2
BOT CHORD	2x6 SP 2400F 2.0E
WEBS	2x4 SP No.3 *Except* W3:2x4 SP No.2

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-4-3 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=4418/0-3-8, (min. 0-1-13), 5=4433/0-3-8, (min. 0-1-14)
Max Horiz 1=323 (LC 10)
Max Uplift 1=-1232 (LC 11), 5=-1319 (LC 11)
Max Grav 1=4432 (LC 17), 5=4509 (LC 17)

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

TOP CHORD	1-2=-7412/2053, 2-3=-4133/1154
BOT CHORD	1-12=-1926/6582, 7-12=-1926/6582, 7-13=-1926/6582, 6-13=-1926/6582, 6-14=-1061/3673, 5-14=-1061/3673
WEBS	2-7=-761/2866, 2-6=-3325/1024, 3-6=-1434/5176, 3-5=-5187/1564

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 0-6-0 oc.
Web connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-10; Vult=130mph (3-second gust) V(IRC2012)=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.33
4) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=20.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Fully Exp.; Ct=1.10
5) Unbalanced snow loads have been considered for this design.
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) LGT2 Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 1 and 5. This connection is for uplift only and does not consider lateral forces.
8) This truss is designed in accordance with the 2012 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) Use Simpson Strong-Tie HTU26 (20-10d Girder, 11-10dx1 1/2 Truss, Single Ply Girder) or equivalent spaced at 2-0-0 oc max. starting at 2-0-4 from the left end to 10-0-4 to connect truss(es) T2E (1 ply 2x6 SP) to back face of bottom chord.
10) Fill all nail holes where hanger is in contact with lumber.
11) LGT2 Hurricane ties must have two studs in line below the truss.

LOAD CASE(S) Standard

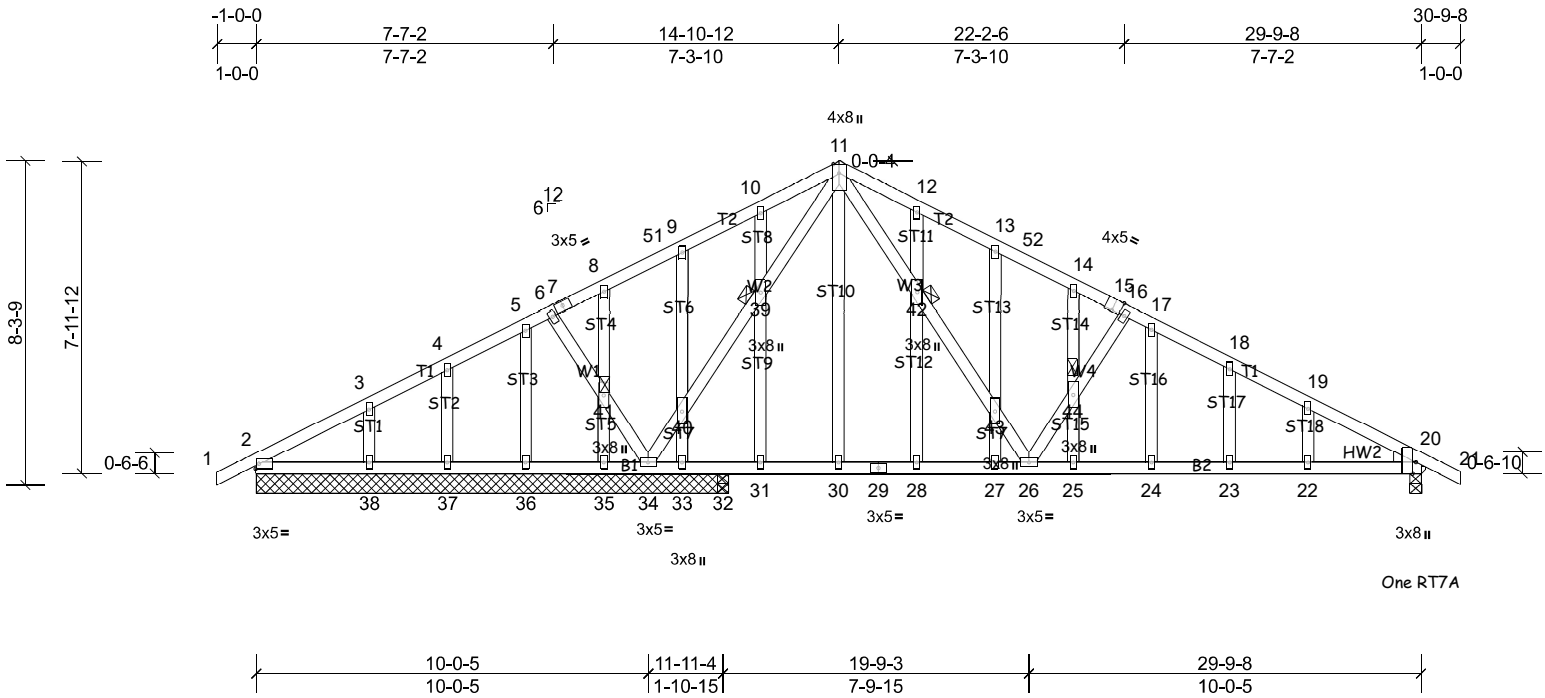
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-4=-62, 5-8=-20

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Lamco / Yarbrough model
Yarborough 6-12	T1GR	Monopitch Girder	1	**2**	Job Reference (optional)

Concentrated Loads (lb)
Vert: 7=-1575 (B), 6=-1575 (B), 12=-1575 (B), 13=-1575 (B), 14=-1575 (B)

Job	Truss	Truss Type	Qty	Ply	Lamco / Yarbrough model
Yarborough 6-12	T1SG	Common Structural Gable	1	1	Job Reference (optional)



Scale = 1:58.9

Plate Offsets (X, Y): [11:0-2-13,Edge], [15:0-2-8,Edge], [20:0-3-8,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.64	Vert(LL)	0.21	22-23	>999	240	MT20	244/190
Snow (Pf/Pg)	20.8/30.0	Lumber DOL	1.15	BC	0.62	Vert(TL)	-0.23	22-23	>913	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.52	Horiz(TL)	0.01	20	n/a	n/a		
BCLL	0.0 *	Code	IRC2012/TPI2007	Matrix-MSH								
BCDL	10.0										Weight: 218 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3
WEDGE	Right: 2x4 SP No.3

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-11-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 5-5-13 oc bracing.
JOINTS	1 Brace at Jt(s): 39, 41, 42, 44

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

REACTIONS All bearings 12-1-0. except 20=0-3-8, 32=0-3-8
(lb) - Max Horiz 2=179 (LC 15), 45=179 (LC 15)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 32, 33, 35, 36, 37, 45 except 20=-306 (LC 11), 34=-228 (LC 11), 38=-135 (LC 15)
Max Grav All reactions 250 (lb) or less at joint(s) 2, 33, 35, 36, 37, 38, 45 except 20=862 (LC 23), 32=273 (LC 22), 34=891 (LC 23)

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

TOP CHORD	11-12=-856/1084, 12-13=-894/1053, 13-52=-849/993, 14-52=-890/984, 14-15=-915/1010, 15-16=-924/1005, 16-17=-978/1058, 17-18=-1117/1181, 18-19=-1133/1138, 19-20=-1180/1121
BOT CHORD	33-34=-114/349, 32-33=-114/349, 31-32=-114/349, 30-31=-114/349, 29-30=-111/348, 28-29=-111/348, 27-28=-111/348, 26-27=-111/348, 25-26=-887/999, 24-25=-887/999, 23-24=-887/999, 22-23=-887/999, 20-22=-887/999
WEBS	11-42=-884/813, 42-43=-823/748, 26-43=-841/768, 26-44=-466/600, 16-44=-481/623, 34-40=-908/706, 39-40=-845/666, 11-39=-847/660, 17-24=-284/193

NOTES

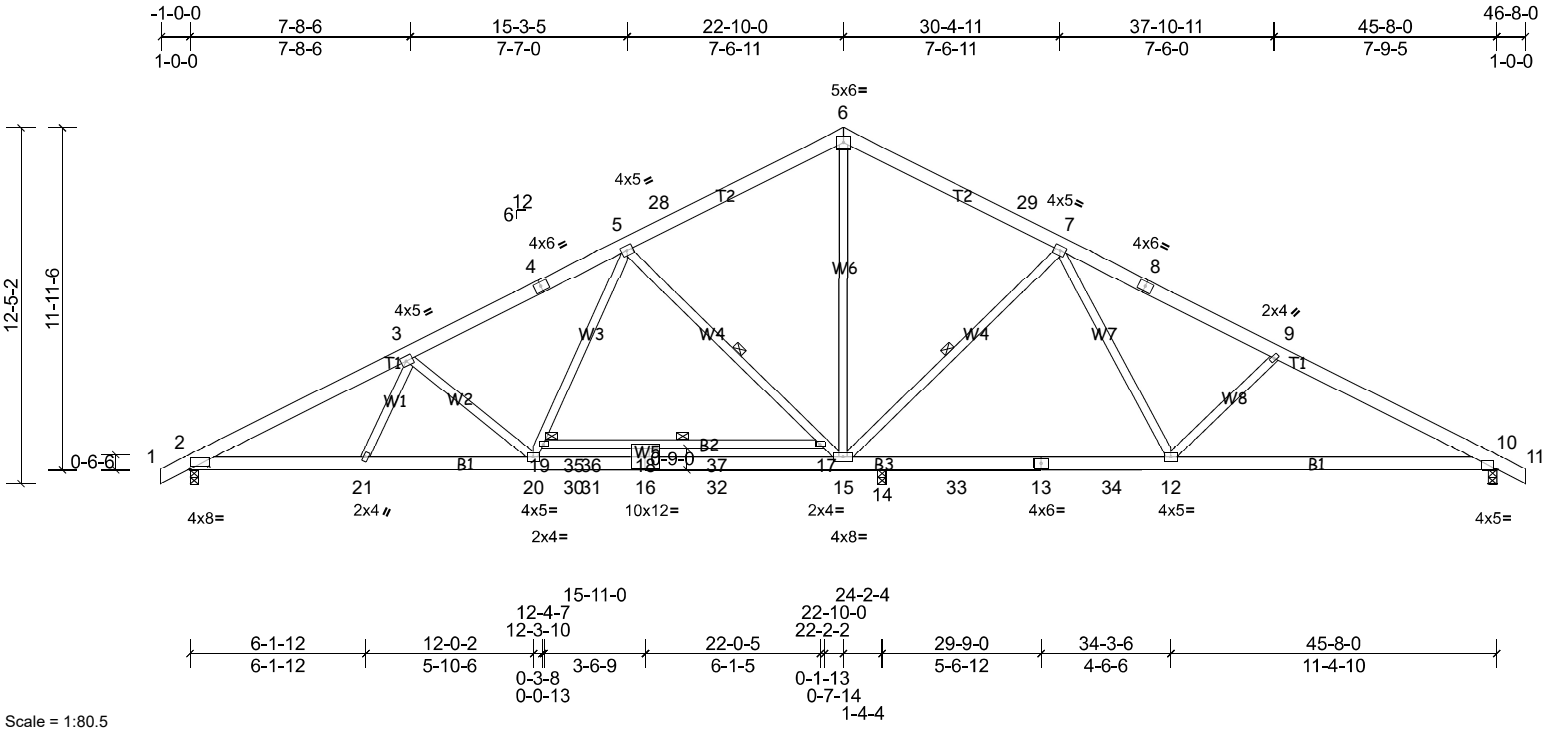
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) V(IRC2012)=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33
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) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=20.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Fully Exp.; Ct=1.10
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.8 psf on overhangs non-concurrent with other live loads.
7) All plates are 2x4 MT20 unless otherwise indicated.
8) Gable studs spaced at 2-0-0 oc.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
10) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 20, 33, 35, 36, 37, and 38. This connection is for uplift only and does not consider lateral forces.
11) One RT16A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 34. This connection is for uplift only and does not consider lateral forces.

Continued on page 2

12) One RT16A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 32. This connection is for uplift only and does not consider lateral forces.
13) This truss is designed in accordance with the 2012 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Lamco / Yarbrough model
Yarborough 6-12	T2	Common	10	1	Job Reference (optional)



Scale = 1:80.5

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.47	Vert(LL)	-0.23	15-16	>999	240	MT20	244/190
Snow (Pf/Pg)	20.8/30.0	Lumber DOL	1.15	BC	0.63	Vert(TL)	-0.73	15-16	>400	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.82	Horiz(TL)	0.07	10	n/a	n/a		
BCLL	0.0 *	Code	IRC2012/TPI2007	Matrix-MSH								
BCDL	10.0										Weight: 340 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP 2400F 2.0E *Except* B2:2x4 SP No.2
WEBS 2x4 SP No.3 *Except* W6,W4:2x4 SP No.2

REACTIONS (lb/size) 2=1531/0-3-8, (min. 0-1-8), 10=1342/0-3-8, (min. 0-1-8), 14=1376/0-3-8, (min. 0-1-8)
Max Horiz 2=268 (LC 15)
Max Uplift 2=-207 (LC 15), 10=-301 (LC 16), 14=-220 (LC 15)
Max Grav 2=1564 (LC 22), 10=1375 (LC 23), 14=1441 (LC 4)

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-3-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
6-0-0 oc bracing: 17-19
WEBS 1 Row at midpt 5-15, 7-15

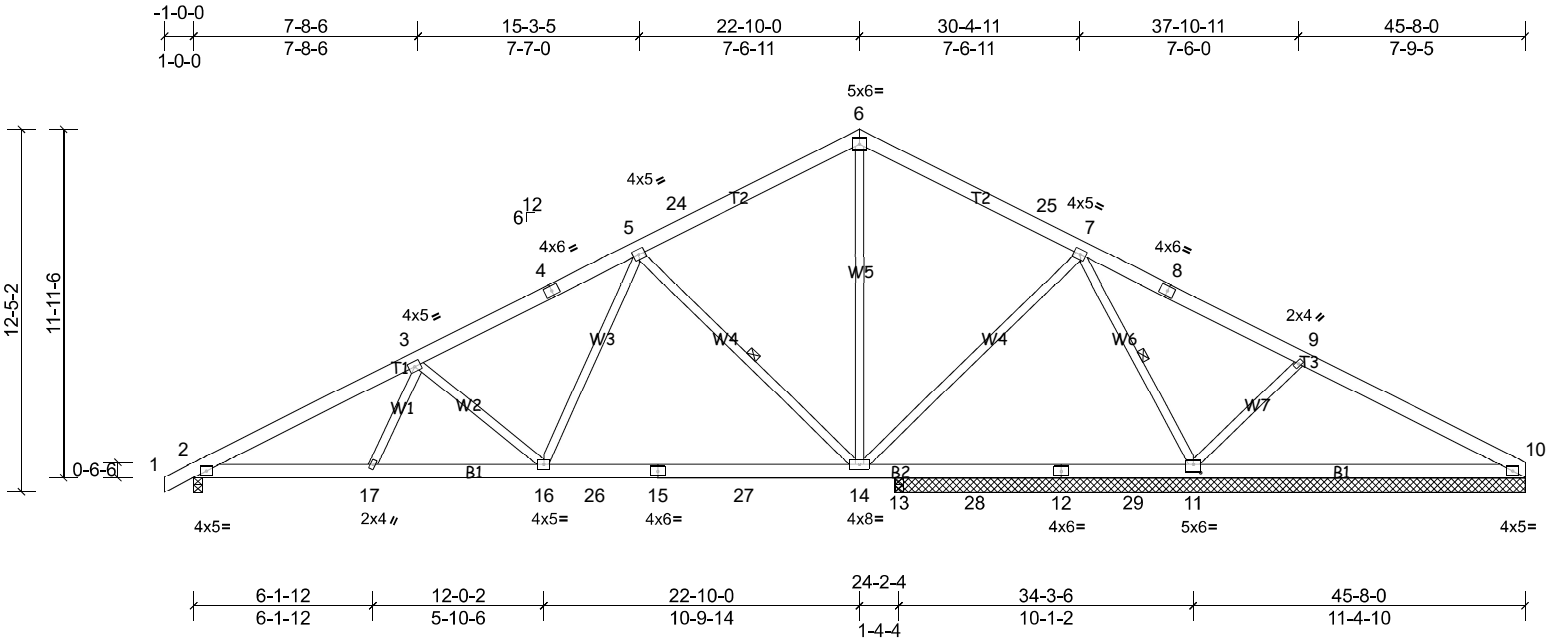
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2661/552, 3-4=-2438/391, 4-5=-2279/412, 5-28=-1074/301, 6-28=-935/337, 6-29=-928/337, 7-29=-1057/301, 7-8=-1670/586, 8-9=-1860/564, 9-10=-2157/672
BOT CHORD 2-21=-536/2309, 20-21=-327/2320, 20-30=-19/1735, 30-31=-19/1735, 16-31=-19/1735, 16-32=-19/1735, 15-32=-19/1735, 14-15=-85/1394, 14-33=-85/1394, 13-33=-85/1394, 13-34=-85/1394, 12-34=-85/1394, 10-12=-445/1876
WEBS 3-20=-395/441, 19-20=-3/1009, 5-19=0/1095, 6-15=0/493, 5-17=-1230/443, 15-17=-1310/391, 7-15=-849/552, 7-12=-150/475, 9-12=-451/416

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) V(IRC2012)=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone 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=1.33
3) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=20.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Fully Exp.; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.8 psf on overhangs non-concurrent with other live loads.
6) 200.0lb AC unit load placed on the bottom chord, 15-11-0 from left end, supported at two points, 5-0-0 apart.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) H10A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 10, 2, and 14. This connection is for uplift only and does not consider lateral forces.
9) This truss is designed in accordance with the 2012 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Lamco / Yarbrough model
Yarborough 6-12	T2A	Common	1	1	Job Reference (optional)



Scale = 1:79

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.48	Vert(LL)	-0.16	14-16	>999	240	MT20	244/190
Snow (Pf/Pg)	20.8/30.0	Lumber DOL	1.15	BC	0.68	Vert(TL)	-0.38	14-16	>764	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.56	Horiz(TL)	0.05	11	n/a	n/a		
BCLL	0.0 *	Code	IRC2012/TPI2007	Matrix-MSH								
BCDL	10.0										Weight: 322 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3 *Except* W5,W4:2x4 SP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-9-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-14, 7-11

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

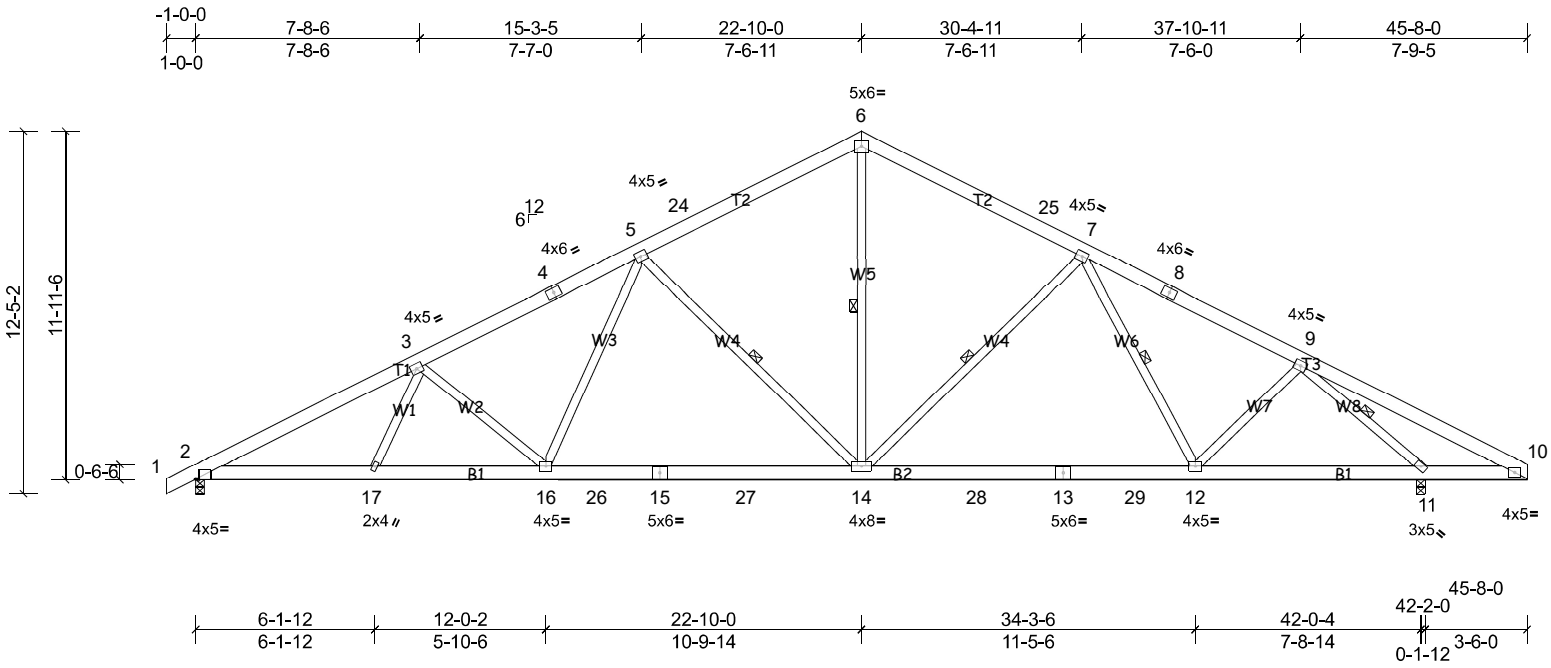
REACTIONS All bearings 21-7-8. except 2=0-3-8, 13=0-3-8
(lb) - Max Horiz 2=279 (LC 15)
Max Uplift All uplift 100 (lb) or less at joint(s) 13 except 2=-380 (LC 15), 10=-111 (LC 16), 11=-484 (LC 16), 18=-111 (LC 16)
Max Grav All reactions 250 (lb) or less at joint(s) except 2=1298 (LC 22), 10=336 (LC 34), 11=1793 (LC 1), 13=568 (LC 5), 18=336 (LC 34)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2145/864, 3-4=-1724/769, 4-5=-1534/790, 5-24=-758/479, 6-24=-597/515, 6-25=-570/515, 7-25=-722/478, 7-8=-104/573, 8-9=-141/395, 9-10=-122/299
BOT CHORD 2-17=-786/1841, 16-17=-669/1813, 16-26=-351/1229, 15-26=-351/1229, 15-27=-351/1229, 14-27=-351/1229, 13-14=0/311, 13-28=0/311, 12-28=0/311, 12-29=0/311, 11-29=0/311
WEBS 3-16=-493/395, 5-16=-180/662, 5-14=-992/581, 7-14=-84/547, 7-11=-1401/716, 9-11=-483/430

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) V(IRC2012)=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone 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=1.33
3) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=20.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Fully Exp.; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.8 psf on overhangs non-concurrent with other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) H10A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 10, 2, and 13. This connection is for uplift only and does not consider lateral forces.
8) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 11. This connection is for uplift only and does not consider lateral forces.
9) This truss is designed in accordance with the 2012 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) WARNING: The following hangers are manually applied but fail due to geometric considerations: H10A on front face at 45-8-0 from the left end.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Lamco / Yarbrough model
Yarborough 6-12	T2B	Common	6	1	Job Reference (optional)



Scale = 1:79

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.50	Vert(LL)	-0.20	12-14	>999	240	MT20	244/190
Snow (Pf/Pg)	20.8/30.0	Lumber DOL	1.15	BC	0.78	Vert(TL)	-0.45	12-14	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.63	Horiz(TL)	0.12	11	n/a	n/a		
BCLL	0.0 *	Code	IRC2012/TPI2007	Matrix-MSH								
BCDL	10.0										Weight: 330 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3 *Except* W5,W4:2x4 SP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-10-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 6-14, 5-14, 7-14, 7-12, 9-11

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

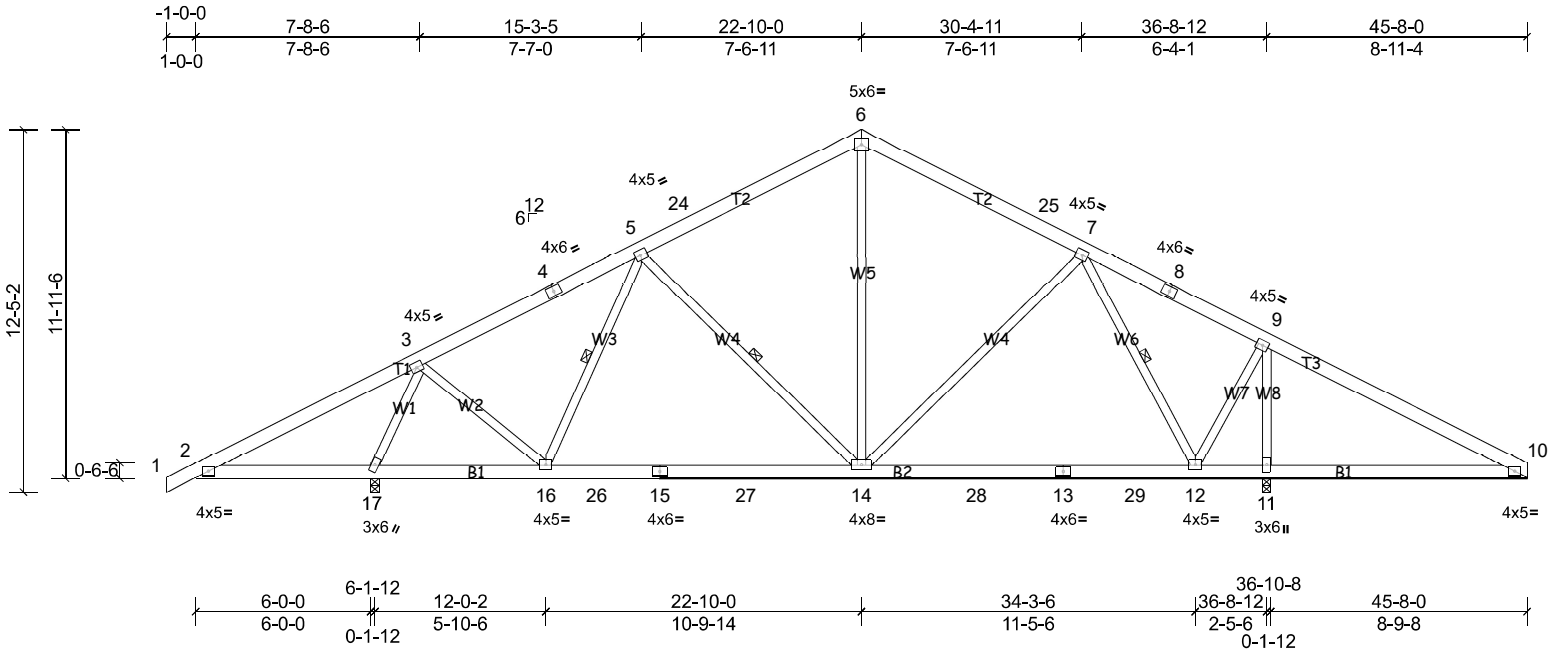
REACTIONS (lb/size) 2=1780/0-3-8, (min. 0-2-2), 11=2007/0-3-8, (min. 0-2-6)
Max Horiz 2=279 (LC 19)
Max Uplift 2=-493 (LC 15), 11=-520 (LC 16)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3182/1294, 3-4=-2757/1204, 4-5=-2635/1225, 5-24=-1874/934, 6-24=-1780/971, 6-25=-1780/970, 7-25=-1873/934, 7-8=-2078/956, 8-9=-2181/935, 9-10=-293/364
BOT CHORD 2-17=-1054/2767, 16-17=-1046/2739, 16-26=-690/2178, 15-26=-690/2178, 15-27=-690/2178, 14-27=-690/2178, 14-28=-558/1872, 13-28=-558/1872, 13-29=-558/1872, 12-29=-558/1872, 11-12=-551/1642, 10-11=-242/365
WEBS 3-16=-481/389, 5-16=-159/588, 6-14=-538/1235, 5-14=-947/566, 7-14=-544/394, 9-12=0/401, 9-11=-2536/1235

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) V(IRC2012)=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone 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=1.33
3) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=20.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Fully Exp.; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.8 psf on overhangs non-concurrent with other live loads.
6) All plates are 4x5 MT20 unless otherwise indicated.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) H10A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 11. This connection is for uplift only and does not consider lateral forces.
9) This truss is designed in accordance with the 2012 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Lamco / Yarbrough model
Yarborough 6-12	T2C	Common	2	1	Job Reference (optional)



Scale = 1:79

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.53	Vert(LL)	-0.11	12-14	>999	240	MT20	244/190
Snow (Pf/Pg)	20.8/30.0	Lumber DOL	1.15	BC	0.57	Vert(TL)	-0.26	12-14	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.73	Horiz(TL)	0.02	11	n/a	n/a		
BCLL	0.0 *	Code	IRC2012/TPI2007	Matrix-MSH								
BCDL	10.0										Weight: 328 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3 *Except* W5,W4:2x4 SP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-16, 5-14, 7-12

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

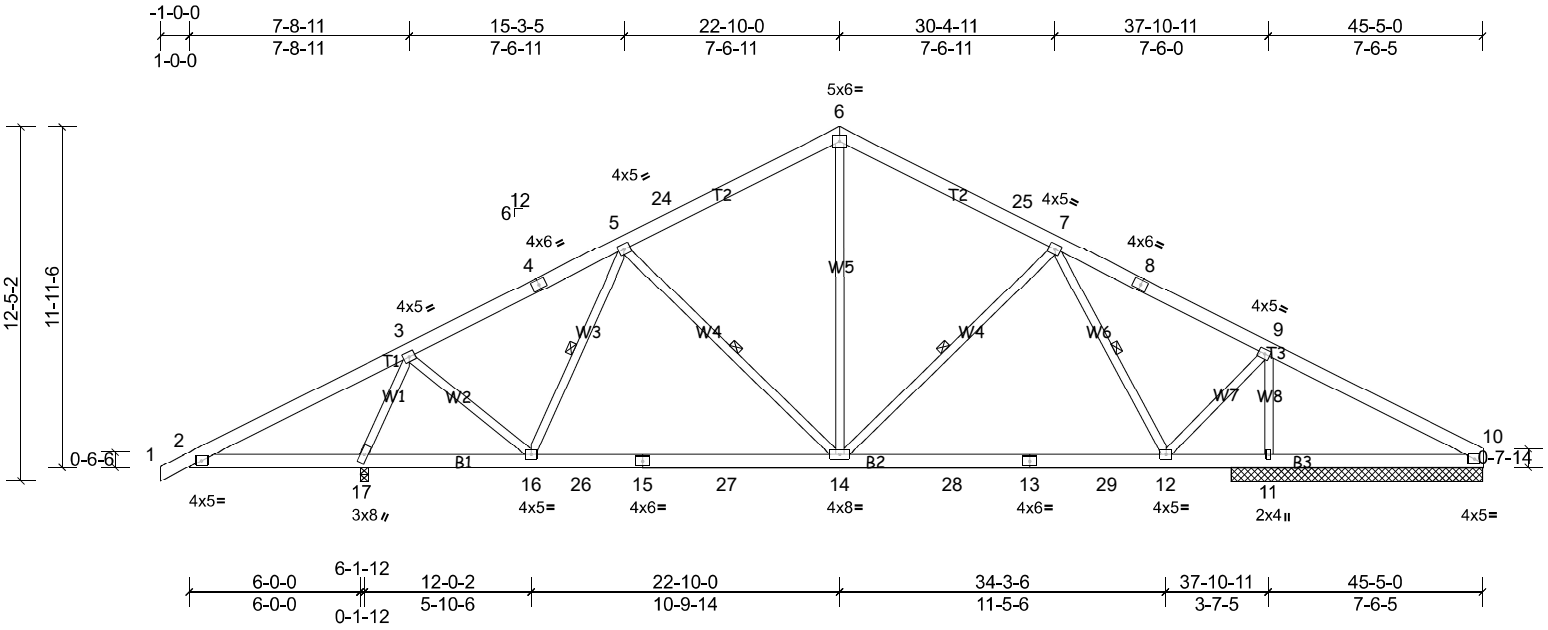
REACTIONS (lb/size) 11=2029/0-3-8, (min. 0-2-7), 17=1758/0-3-8, (min. 0-2-3)
Max Horiz 17=279 (LC 19)
Max Uplift 11=-565 (LC 16), 17=-532 (LC 15)
Max Grav 11=2079 (LC 23), 17=1836 (LC 22)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-684/768, 3-4=-941/246, 4-5=-782/267, 5-24=-939/367, 6-24=-811/403, 6-25=-811/399, 7-25=-891/362, 8-9=-252/126, 9-10=-674/814
BOT CHORD 2-17=-593/750, 16-17=-158/350, 16-26=-241/933, 15-26=-241/933, 15-27=-241/933, 14-27=-241/933, 14-28=-42/538, 13-28=-42/538, 13-29=-42/538, 12-29=-42/538, 11-12=-617/713, 10-11=-617/713
WEBS 3-16=-220/859, 5-16=-436/313, 3-17=-1779/948, 6-14=-93/352, 5-14=-278/305, 7-14=-43/342, 7-12=-1145/672, 9-11=-1853/885, 9-12=-350/1303

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) V(IRC2012)=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone 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=1.33
3) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=20.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Fully Exp.; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.8 psf on overhangs non-concurrent with other live loads.
6) All plates are 4x5 MT20 unless otherwise indicated.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) H10A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 17 and 11. This connection is for uplift only and does not consider lateral forces.
9) This truss is designed in accordance with the 2012 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Lamco / Yarbrough model
Yarborough 6-12	T2D	Common	1	1	Job Reference (optional)



Scale = 1:80.9

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.49	Vert(LL)	-0.12	12-14	>999	240	MT20	244/190
Snow (Pf/Pg)	20.8/30.0	Lumber DOL	1.15	BC	0.60	Vert(TL)	-0.27	12-14	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.67	Horiz(TL)	0.03	18	n/a	n/a		
BCLL	0.0 *	Code	IRC2012/TPI2007	Matrix-MSH								
BCDL	10.0										Weight: 326 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3 *Except* W4,W5:2x4 SP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-16, 5-14, 7-14, 7-12

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

REACTIONS All bearings 8-10-0. except 17=0-3-8
(lb) - Max Horiz 17=283 (LC 15)
Max Uplift All uplift 100 (lb) or less at joint(s) 10, 18 except 11=-430 (LC 16), 17=-543 (LC 15)
Max Grav All reactions 250 (lb) or less at joint(s) except 10=274 (LC 34), 11=1636 (LC 23), 17=1929 (LC 22), 18=274 (LC 34)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-693/777, 3-4=-1038/319, 4-5=-882/355, 5-24=-1087/558, 6-24=-977/594, 6-25=-982/594, 7-25=-1113/558, 7-8=-729/403, 8-9=-883/367
BOT CHORD 2-17=-600/758, 16-17=-173/386, 16-26=-256/1061, 15-26=-256/1061, 15-27=-256/1061, 14-27=-256/1061, 14-28=-149/969, 13-28=-149/969, 13-29=-149/969, 12-29=-149/969
WEBS 3-17=-1893/1081, 3-16=-293/896, 5-16=-483/372, 5-14=-239/300, 6-14=-199/513, 7-14=-180/302, 7-12=-629/288, 9-12=-164/1039, 9-11=-1512/634

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) V(IRC2012)=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone 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=1.33
3) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=20.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Fully Exp.; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.8 psf on overhangs non-concurrent with other live loads.
6) All plates are 4x5 MT20 unless otherwise indicated.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 10 and 11. This connection is for uplift only and does not consider lateral forces.
9) H10A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 17. This connection is for uplift only and does not consider lateral forces.
10) This truss is designed in accordance with the 2012 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Lamco / Yarbrough model
Yarborough 6-12	T2E	Common	5	1	Job Reference (optional)

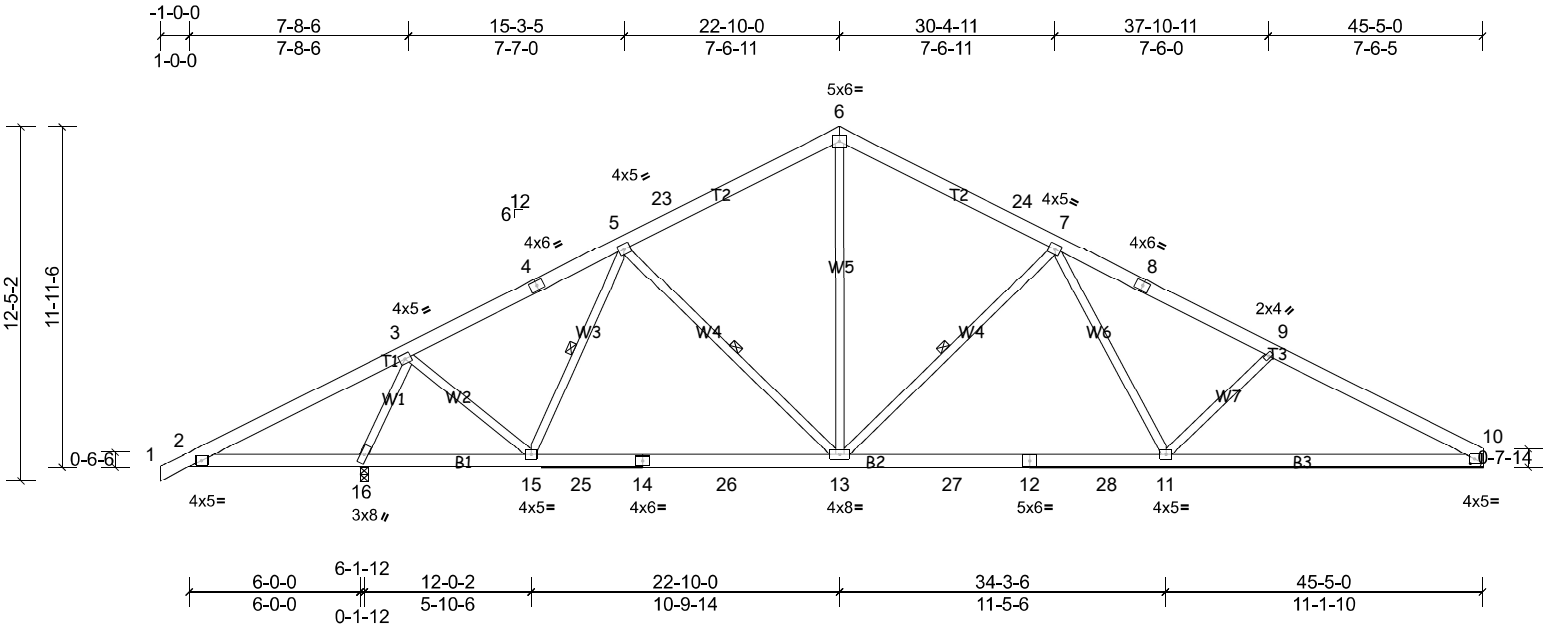


Plate Offsets (X, Y): [10:0-1-12,0-2-0]

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	0.48	Vert(LL)	-0.20	11-13	>999	240	MT20	244/190
Snow (Pf/Pg)	20.8/30.0	Lumber DOL	1.15	BC	0.76	Vert(TL)	-0.41	11-13	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.87	Horiz(TL)	0.08	10	n/a	n/a		
BCLL	0.0 *	Code	IRC2012/TPI2007	Matrix-MSH								
BCDL	10.0										Weight: 321 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3 *Except* W4,W5:2x4 SP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-1-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-15, 5-13, 7-13

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

REACTIONS (lb/size) 10=1556/ Mechanical, (min. 0-1-8), 16=2211/0-3-8, (min. 0-2-10)
Max Horiz 16=283 (LC 15)
Max Uplift 10=-431 (LC 16), 16=-593 (LC 15)
Max Grav 10=1595 (LC 23), 16=2211 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-689/772, 3-4=-1349/451, 4-5=-1204/489, 5-23=-1566/763, 6-23=-1474/800, 6-24=-1486/801, 7-24=-1618/764, 7-8=-2398/1073, 8-9=-2576/1052, 9-10=-2883/1157
BOT CHORD 2-16=-597/751, 15-16=-185/457, 15-25=-317/1387, 14-25=-317/1387, 14-26=-317/1387, 13-26=-317/1387, 13-27=-546/1966, 12-27=-546/1966, 12-28=-546/1966, 11-28=-546/1966, 10-11=-907/2499
WEBS 3-16=-2188/1207, 5-15=-625/447, 3-15=-406/1132, 5-13=-148/281, 6-13=-386/962, 7-13=-952/568, 7-11=-173/631, 9-11=-422/405

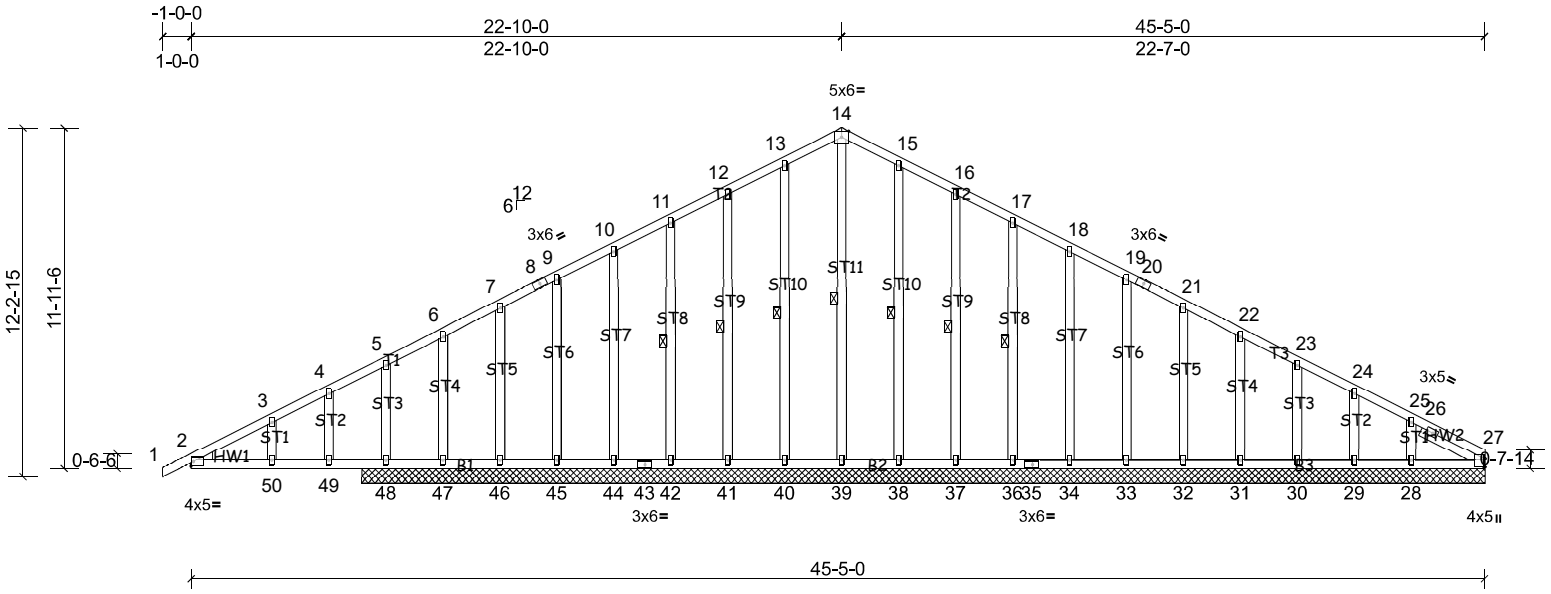
NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) V(IRC2012)=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33
3) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=20.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Fully Exp.; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.8 psf on overhangs non-concurrent with other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 431 lb uplift at joint 10.
9) H10A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 16. This connection is for uplift only and does not consider lateral forces.
10) This truss is designed in accordance with the 2012 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Lamco / Yarbrough model
Yarborough 6-12	T2EG	Common Supported Gable	1	1	Job Reference (optional)

Carter Components, Sanford, NC, user — Run: 8.5 S 0 Jun 8 2021 Print: 8.500 S Jun 8 2021 MiTek Industries, Inc. Tue Oct 12 11:11:44 — Page: 1

ID:tQwLbPX9lTXQrP0YxW4Y1ozD?kw-Lr5aMMbuTSr0CnN9DOVQYigrO1rp9LzXDAY1dxyUBRD



Scale = 1:80.9

Plate Offsets (X, Y): [27:0-3-4,0-0-3]

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	0.69	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	20.8/30.0	Lumber DOL	1.15	BC	0.63	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.37	Horiz(TL)	-0.04	27	n/a	n/a		
BCLL	0.0 *	Code	IRC2012/TPI2007	Matrix-MSH								
BCDL	10.0										Weight: 342 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
OTHERS	2x4 SP No.3 *Except* ST11,ST10:2x4 SP No.2
WEDGE	Left: 2x4 SP No.3
SLIDER	Right 2x4 SP No.3 -- 2-6-0

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-8-15 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 14-39, 13-40, 12-41, 11-42, 15-38, 16-37, 17-36

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

REACTIONS All bearings 39-5-0.

(lb) - Max Horiz 48=283 (LC 15)

Max Uplift All uplift 100 (lb) or less at joint(s) 29, 30, 31, 32, 33, 34, 36, 37, 38, 40, 41, 42, 44, 45 except 27=-282 (LC 33), 28=-172 (LC 16), 46=-121 (LC 15), 47=-214 (LC 1), 48=-343 (LC 15), 54=-282 (LC 33)

Max Grav All reactions 250 (lb) or less at joint(s) 27, 29, 30, 31, 32, 33, 34, 36, 37, 41, 42, 44, 45, 47, 54 except 28=310 (LC 1), 38=277 (LC 23), 39=632 (LC 22), 40=285 (LC 22), 46=256 (LC 1), 48=749 (LC 1)

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

TOP CHORD 2-3=-622/581, 3-4=-594/615, 4-5=-568/652, 5-6=-370/534, 6-7=-386/608, 7-8=-305/542, 8-9=-295/592, 9-10=-244/595, 10-11=-179/596, 11-12=-115/613, 12-13=-51/617, 13-14=0/589, 14-15=0/580, 15-16=-51/600, 16-17=-115/594, 17-18=-179/595, 18-19=-244/594, 19-20=-298/594, 20-21=-308/567, 21-22=-372/595, 22-23=-436/594, 23-24=-503/596, 24-25=-558/587, 25-26=-664/635

BOT CHORD 2-50=-507/657, 49-50=-507/657, 48-49=-507/657, 47-48=-507/604, 46-47=-507/604, 45-46=-507/604, 44-45=-507/604, 43-44=-507/604, 42-43=-507/604, 41-42=-507/604, 40-41=-507/604, 39-40=-507/604, 38-39=-507/604, 37-38=-507/604, 36-37=-507/604, 35-36=-507/604, 34-35=-507/604, 33-34=-507/604, 32-33=-507/604, 31-32=-507/604, 30-31=-507/604, 29-30=-507/604, 28-29=-507/604, 27-28=-507/604

WEBS 14-39=-591/67, 5-48=-389/418

NOTES

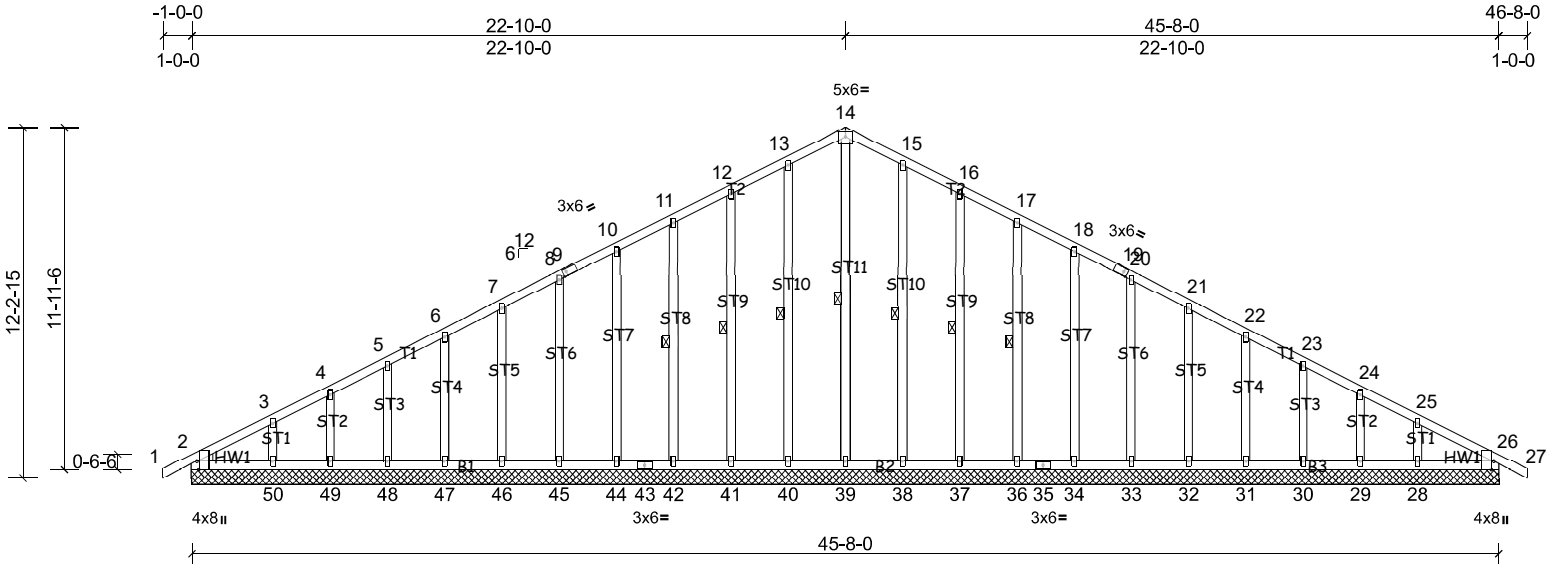
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) V(IRC2012)=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33
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) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=20.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Fully Exp.; Ct=1.10
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.8 psf on overhangs non-concurrent with other live loads.
7) All plates are 2x4 MT20 unless otherwise indicated.

Continued on page 2

8) Gable studs spaced at 2-0-0 oc.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
10) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 40, 41, 42, 44, 45, 46, 47, 48, 38, 37, 36, 34, 33, 32, 31, 30, 29, 28, and 27. This connection is for uplift only and does not consider lateral forces.
11) Non Standard bearing condition. Review required.
12) This truss is designed in accordance with the 2012 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Lamco / Yarbrough model
Yarborough 6-12	T2G	Common Supported Gable	1	1	Job Reference (optional)



Scale = 1:80.5

Plate Offsets (X, Y): [2:0-3-8,Edge], [9:0-1-11,0-1-8], [19:0-1-11,0-1-8], [26:0-3-8,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.12	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	20.8/30.0	Lumber DOL	1.15	BC	0.10	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.21	Horiz(TL)	0.02	26	n/a	n/a		
BCLL	0.0 *	Code	IRC2012/TPI2007	Matrix-MSH								
BCDL	10.0										Weight: 342 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
OTHERS	2x4 SP No.3
WEDGE	Left: 2x4 SP No.2
	Right: 2x4 SP No.2

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 14-39, 13-40, 12-41, 11-42, 15-38, 16-37, 17-36

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

REACTIONS All bearings 45-8-0.

(lb) - Max Horiz 2=268 (LC 15), 51=268 (LC 15)

Max Uplift All uplift 100 (lb) or less at joint(s) 2, 26, 29, 30, 31, 32, 33, 34, 36, 37, 38, 40, 41, 42, 44, 45, 46, 47, 48, 49, 51, 54 except 28=-141 (LC 16), 50=-155 (LC 15)

Max Grav All reactions 250 (lb) or less at joint(s) 2, 26, 28, 29, 30, 31, 32, 33, 34, 36, 37, 41, 42, 44, 45, 46, 47, 48, 49, 50, 51, 54 except 38=257 (LC 23), 39=289 (LC 16), 40=257 (LC 22)

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

TOP CHORD 2-3=-331/120, 3-4=-258/127, 8-9=-92/254, 9-10=-83/264, 10-11=-114/297, 11-12=-136/350, 12-13=-160/419, 13-14=-180/474, 14-15=-180/474, 15-16=-160/419, 16-17=-136/350, 17-18=-114/287

BOT CHORD 2-50=-71/253, 49-50=-71/253, 48-49=-71/253, 47-48=-71/253, 46-47=-71/253, 45-46=-71/253, 44-45=-71/253, 43-44=-71/253, 42-43=-71/253, 41-42=-71/253, 40-41=-71/253, 39-40=-71/253, 38-39=-71/253, 37-38=-71/253, 36-37=-71/253, 35-36=-71/253, 34-35=-71/253, 33-34=-71/253, 32-33=-71/253, 31-32=-71/253, 30-31=-71/253, 29-30=-71/253, 28-29=-71/253, 26-28=-71/253

WEBS 14-39=-308/69

NOTES

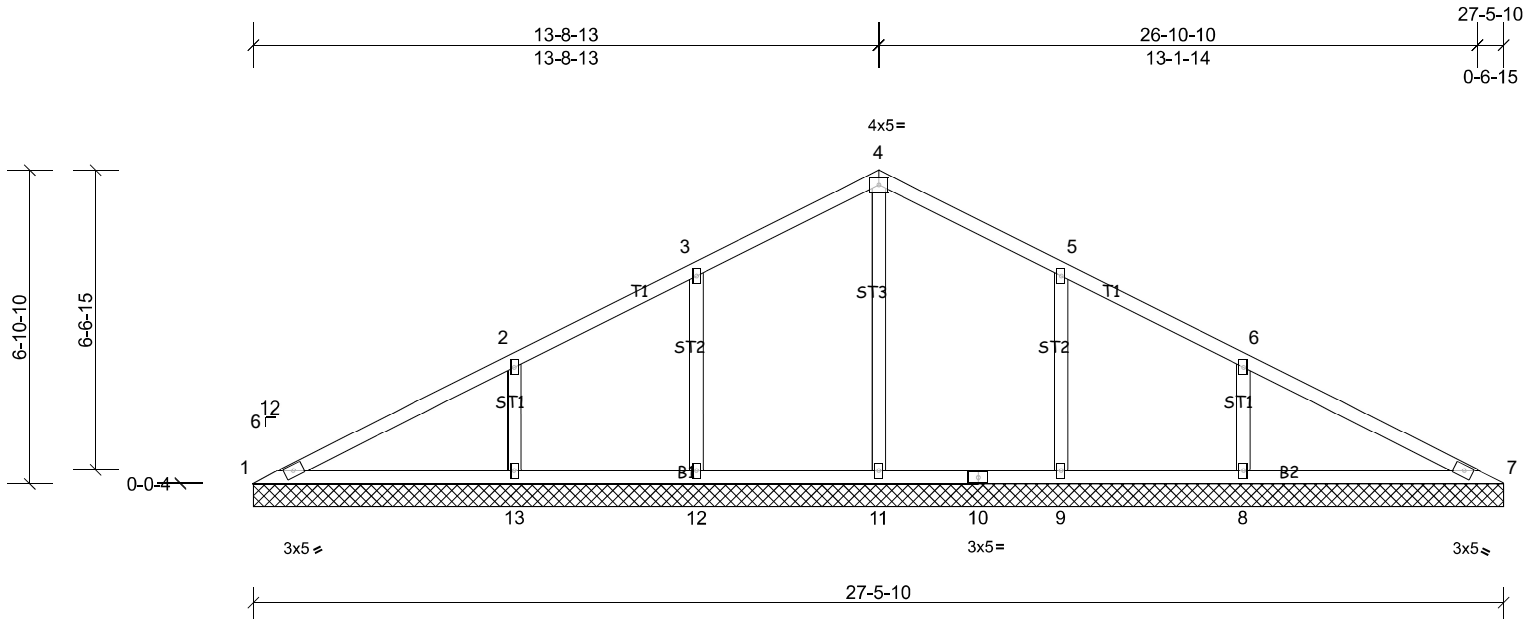
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) V(IRC2012)=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33
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) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=20.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Fully Exp.; Ct=1.10
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.8 psf on overhangs non-concurrent with other live loads.
7) All plates are 2x4 MT20 unless otherwise indicated.
8) Gable requires continuous bottom chord bearing.
9) Gable studs spaced at 2-0-0 oc.

Continued on page 2

10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
11) H10A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 26. This connection is for uplift only and does not consider lateral forces.
12) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 40, 41, 42, 44, 45, 46, 47, 48, 49, 50, 38, 37, 36, 34, 33, 32, 31, 30, 29, and 28. This connection is for uplift only and does not consider lateral forces.
13) This truss is designed in accordance with the 2012 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
14) WARNING: The following hangers are manually applied but fail due to geometric considerations: H10A on front face at 0-0-0 from the left end, H10A on front face at 45-8-0 from the left end.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Lamco / Yarbrough model
Yarborough 6-12	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	0.44	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	20.8/30.0	Lumber DOL	1.15	BC	0.28	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.55	Horiz(TL)	-0.02	18	n/a	n/a		
BCLL	0.0 *	Code	IRC2012/TPI2007	Matrix-MSH								
BCDL	10.0										Weight: 114 lb	FT = 20%

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

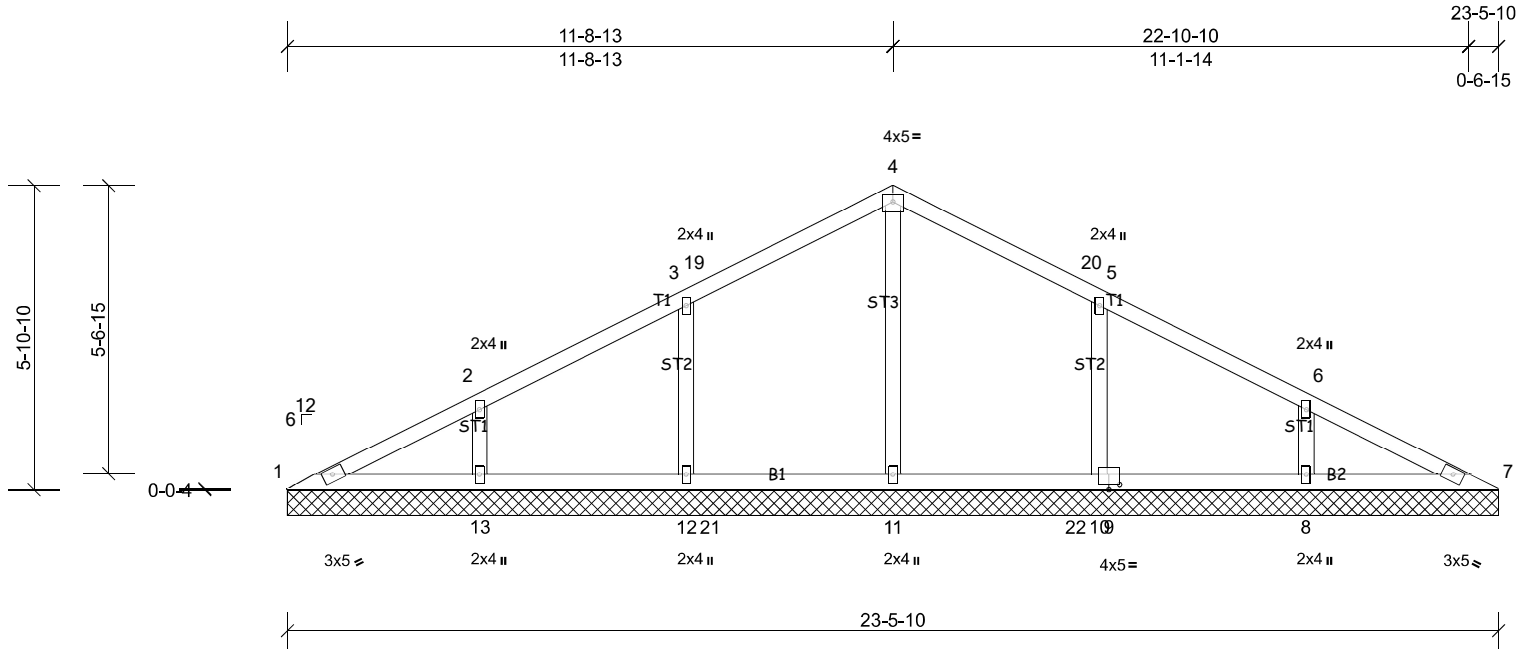
REACTIONS All bearings 27-5-10.
(lb) - Max Horiz 1=151 (LC 15)
Max Uplift All uplift 100 (lb) or less at joint(s) 1, 7, 18 except 8=-223 (LC 16), 9=-159 (LC 16), 12=-159 (LC 15), 13=-228 (LC 15)
Max Grav All reactions 250 (lb) or less at joint(s) 1, 7, 18 except 8=459 (LC 1), 9=359 (LC 6), 11=792 (LC 4), 12=369 (LC 5), 13=451 (LC 32)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-195/551, 2-3=-45/525, 3-4=0/527, 4-5=0/549, 5-6=-45/526, 6-7=-196/553
BOT CHORD 1-13=-425/249, 12-13=-425/249, 11-12=-425/249, 10-11=-425/249, 9-10=-425/249, 8-9=-425/249, 7-8=-425/249
WEBS 4-11=-656/86, 3-12=-310/239, 2-13=-305/281, 5-9=-305/237, 6-8=-315/285

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) V(IRC2012)=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone 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=1.33
3) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=20.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Fully Exp.; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1.
9) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 12, 13, 9, and 8. This connection is for uplift only and does not consider lateral forces.
10) This truss is designed in accordance with the 2012 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Lamco / Yarbrough model
Yarborough 6-12	V2	Valley	1	1	Job Reference (optional)



Scale = 1:44.6

Plate Offsets (X, Y): [9:0-2-8,0-1-4]

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	0.31	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	20.8/30.0	Lumber DOL	1.15	BC	0.19	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.29	Horiz(TL)	-0.01	7	n/a	n/a		
BCLL	0.0 *	Code	IRC2012/TPI2007	Matrix-MSH								
BCDL	10.0										Weight: 94 lb	FT = 20%

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

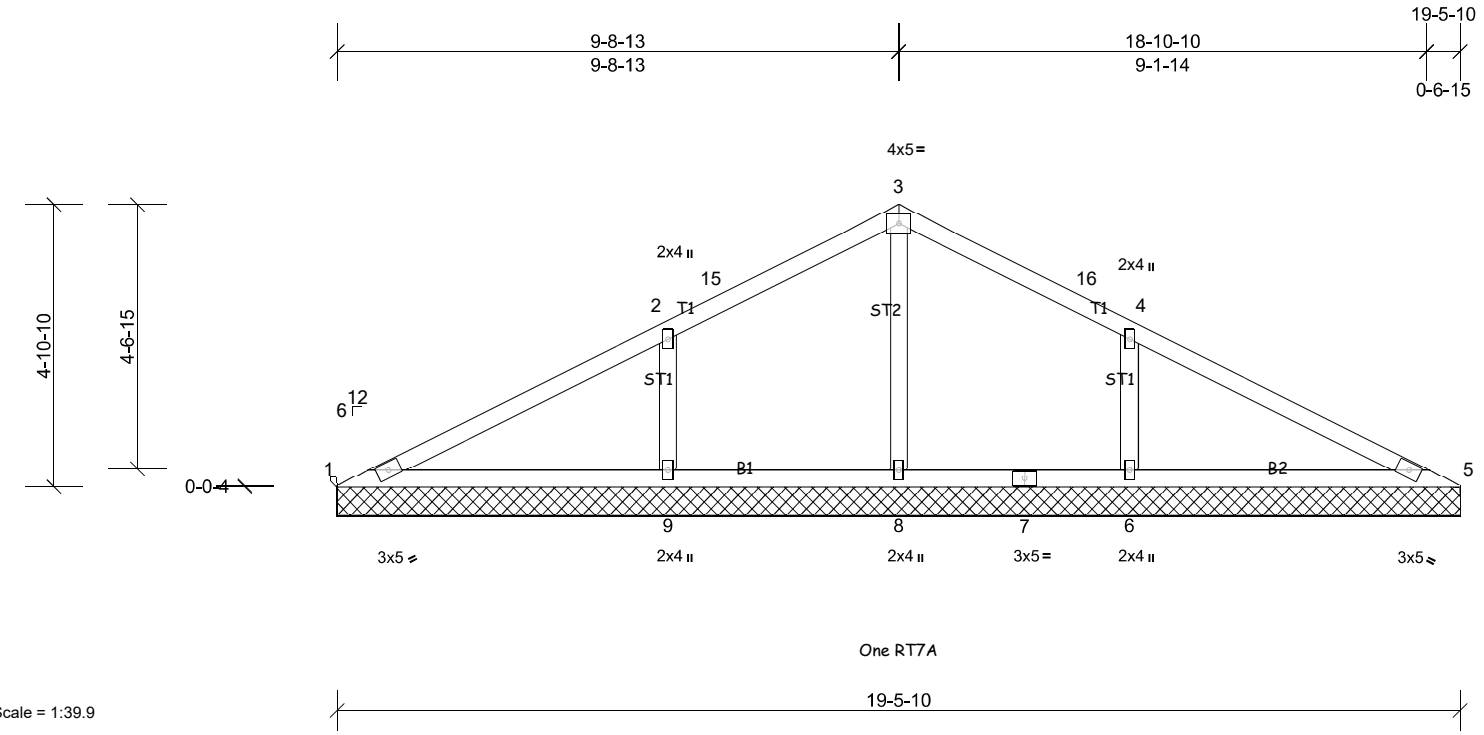
REACTIONS All bearings 23-5-10.
(lb) - Max Horiz 1=129 (LC 15)
Max Uplift All uplift 100 (lb) or less at joint(s) 1, 7, 18 except 8=-162 (LC 16), 10=-180 (LC 16), 12=-181 (LC 15), 13=-162 (LC 15)
Max Grav All reactions 250 (lb) or less at joint(s) 1 except 8=357 (LC 1), 10=373 (LC 22), 11=627 (LC 4), 12=394 (LC 21), 13=327 (LC 32)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-144/332, 2-3=-46/340, 3-19=0/258, 4-19=0/332, 4-20=0/354, 5-6=-13/342, 6-7=-123/337
BOT CHORD 1-13=-255/157, 12-13=-255/157, 12-21=-255/157, 11-21=-255/157, 11-22=-255/157, 10-22=-255/157, 9-10=-255/157, 8-9=-255/157, 7-8=-255/157
WEBS 4-11=-474/43, 3-12=-318/258, 5-10=-308/256

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) V(IRC2012)=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone 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=1.33
3) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=20.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Fully Exp.; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1.
9) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 12, 13, 10, and 8. This connection is for uplift only and does not consider lateral forces.
10) This truss is designed in accordance with the 2012 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Lamco / Yarbrough model
Yarborough 6-12	V3	Valley	1	1	Job Reference (optional)



Scale = 1:39.9

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.49	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	20.8/30.0	Lumber DOL	1.15	BC	0.27	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.26	Horiz(TL)	-0.01	14	n/a	n/a		
BCLL	0.0 *	Code	IRC2012/TPI2007	Matrix-MSH								
BCDL	10.0										Weight: 73 lb	FT = 20%

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

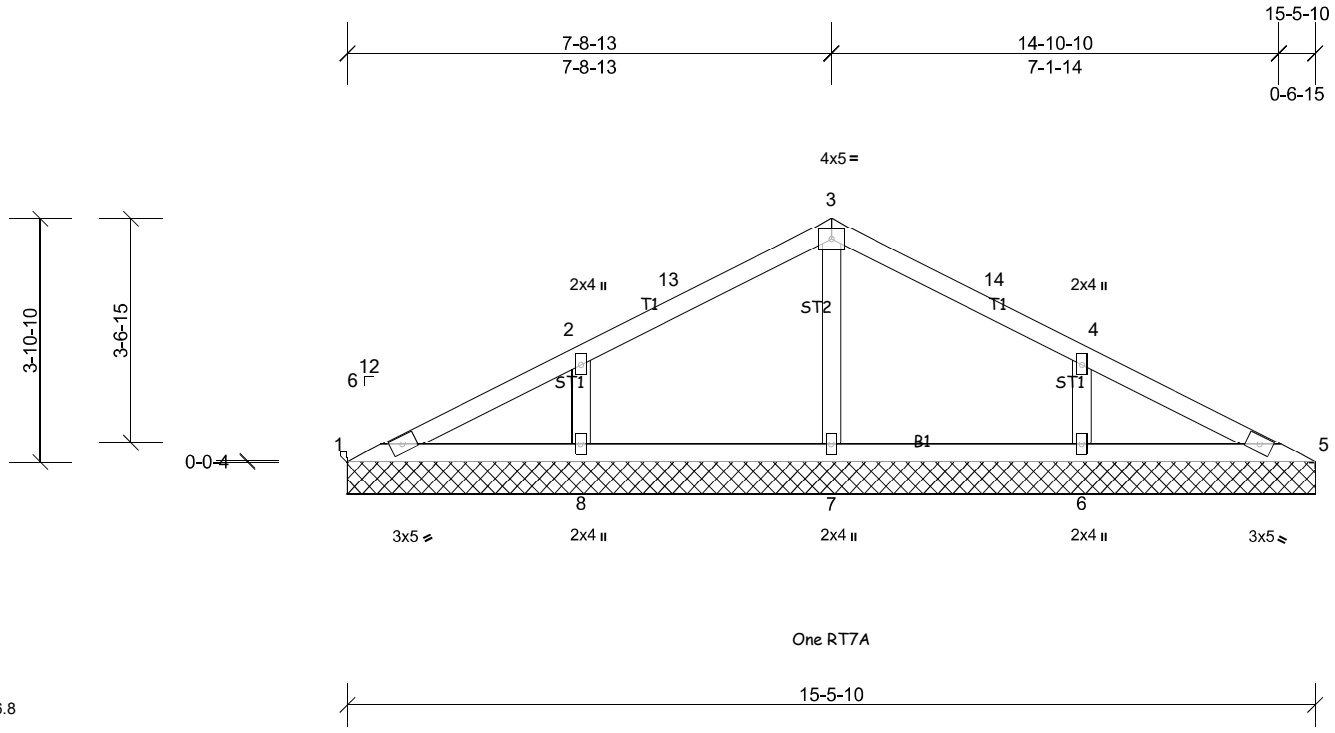
REACTIONS All bearings 19-5-10.
(lb) - Max Horiz 1=-106 (LC 16)
Max Uplift All uplift 100 (lb) or less at joint(s) 1, 5, 8, 14 except 6=-240 (LC 16), 9=-247 (LC 15)
Max Grav All reactions 250 (lb) or less at joint(s) 1, 5, 14 except 6=502 (LC 22), 8=651 (LC 1), 9=505 (LC 21)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-193/556, 2-15=-35/449, 3-15=-23/521, 3-16=-22/527, 4-16=-35/420, 4-5=-194/557
BOT CHORD 1-9=-429/246, 8-9=-429/246, 7-8=-429/246, 6-7=-429/246, 5-6=-429/246
WEBS 3-8=-612/166, 2-9=-362/298, 4-6=-363/301

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) V(IRC2012)=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone 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=1.33
3) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=20.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Fully Exp.; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) Gable requires continuous bottom chord bearing.
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) 1.
8) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 8, 9, and 6. This connection is for uplift only and does not consider lateral forces.
9) This truss is designed in accordance with the 2012 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Lamco / Yarbrough model
Yarborough 6-12	V4	Valley	1	1	Job Reference (optional)



One RT7A

Scale = 1:36.8

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	0.24	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	20.8/30.0	Lumber DOL	1.15	BC	0.10	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.08	Horiz(TL)	0.00	5	n/a	n/a		
BCLL	0.0 *	Code	IRC2012/TPI2007	Matrix-MSH								
BCDL	10.0										Weight: 56 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
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 6-0-0 oc bracing.

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

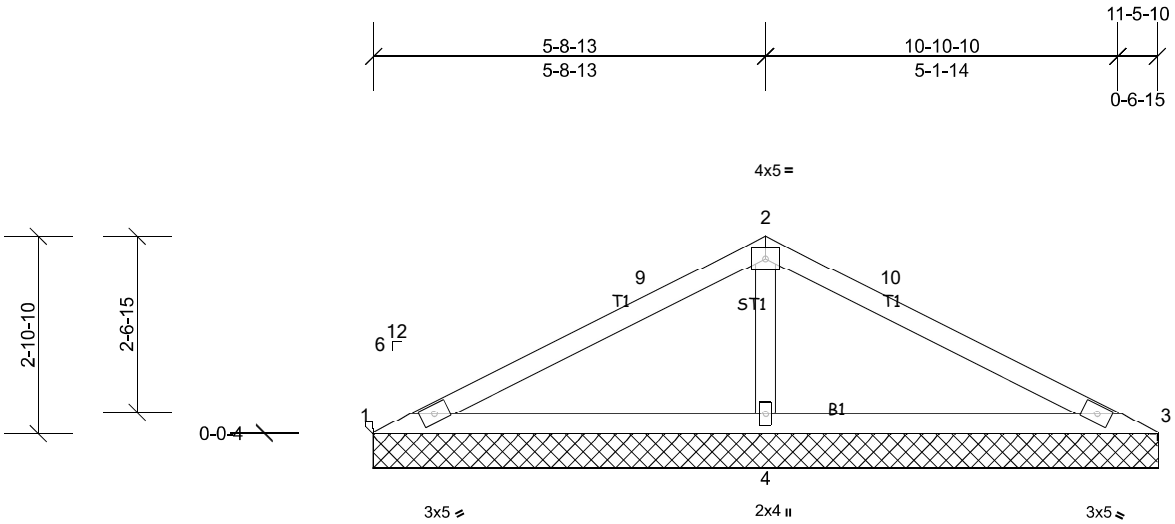
REACTIONS All bearings 15-5-10.
(lb) - Max Horiz 1=84 (LC 15)
Max Uplift All uplift 100 (lb) or less at joint(s) 1, 5, 7 except 6=-186 (LC 16), 8=-187 (LC 15)
Max Grav All reactions 250 (lb) or less at joint(s) 1, 5 except 6=383 (LC 22), 7=347 (LC 1), 8=383 (LC 21)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-7=-275/101, 2-8=-284/250, 4-6=-284/250

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) V(IRC2012)=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone 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=1.33
3) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=20.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Fully Exp.; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) Gable requires continuous bottom chord bearing.
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) 1, 5.
8) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 7, 8, and 6. This connection is for uplift only and does not consider lateral forces.
9) This truss is designed in accordance with the 2012 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

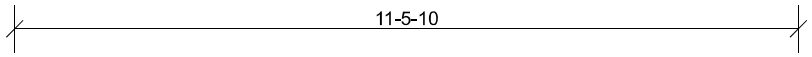
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Lamco / Yarbrough model
Yarborough 6-12	V5	Valley	1	1	Job Reference (optional)



One RT7A

Scale = 1:33.7



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	0.39	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	20.8/30.0	Lumber DOL	1.15	BC	0.34	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.15	Horiz(TL)	0.00	4	n/a	n/a		
BCLL	0.0 *	Code	IRC2012/TPI2007	Matrix-MSH								
BCDL	10.0										Weight: 38 lb	FT = 20%

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

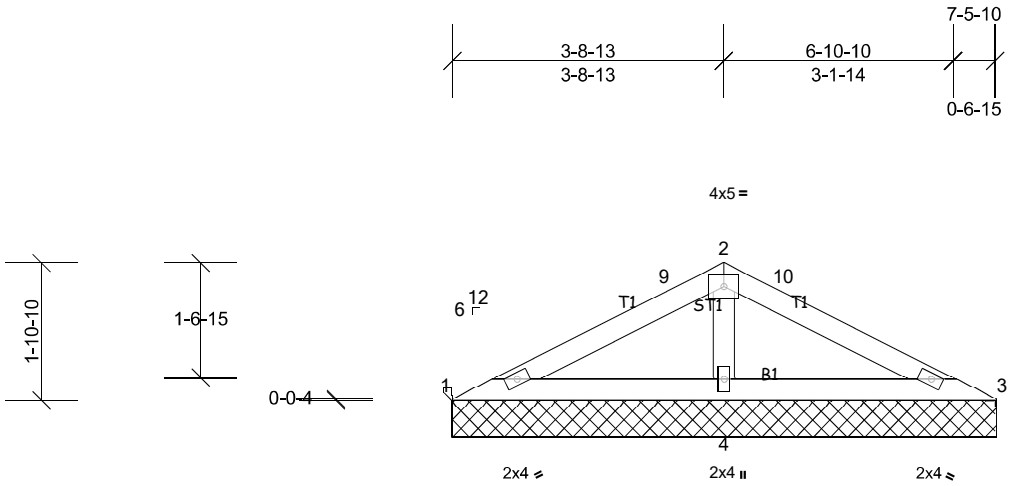
REACTIONS (lb/size) 1=33/11-5-10, (min. 0-1-8), 3=33/11-5-10, (min. 0-1-8), 4=870/11-5-10, (min. 0-1-8)
Max Horiz 1=61 (LC 19)
Max Uplift 1=-33 (LC 33), 3=-33 (LC 32), 4=-216 (LC 15)
Max Grav 1=81 (LC 32), 3=81 (LC 33), 4=870 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-9=-242/404, 2-9=-227/474, 2-10=-227/474, 3-10=-242/404
BOT CHORD 1-4=-361/307, 3-4=-361/307
WEBS 2-4=-674/456

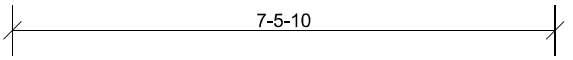
NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) V(IRC2012)=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33
3) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=20.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Fully Exp.; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) Gable requires continuous bottom chord bearing.
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 33 lb uplift at joint 1 and 33 lb uplift at joint 3.
8) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 4. This connection is for uplift only and does not consider lateral forces.
9) This truss is designed in accordance with the 2012 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Lamco / Yarbrough model
Yarborough 6-12	V6	Valley	1	1	Job Reference (optional)



One RT7A



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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
Snow (Pf/Pg)	20.8/30.0	Lumber DOL	1.15	BC	0.17	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.07	Horiz(TL)	0.00	4	n/a	n/a		
BCLL	0.0 *	Code	IRC2012/TPI2007	Matrix-MP								
BCDL	10.0										Weight: 23 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 7-5-10 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=57/7-5-10, (min. 0-1-8), 3=57/7-5-10, (min. 0-1-8), 4=496/7-5-10, (min. 0-1-8)
Max Horiz 1=39 (LC 15)
Max Uplift 1=-21 (LC 15), 3=-29 (LC 16), 4=-117 (LC 15)
Max Grav 1=79 (LC 32), 3=79 (LC 33), 4=496 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-4=-339/251

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) V(IRC2012)=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone 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=1.33
3) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=20.8 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Fully Exp.; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) Gable requires continuous bottom chord bearing.
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 21 lb uplift at joint 1 and 29 lb uplift at joint 3.
8) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 4. This connection is for uplift only and does not consider lateral forces.
9) This truss is designed in accordance with the 2012 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard