Job	Truss	Truss Type	Qty	Ply	Value Build Homes - 23-05-09 Camden B
Q2201065	A01	Common Supported Gable	1	1	Job Reference (optional)

Carolina Structural Systems, Star, NC 27356 Run: 8.42 S Feb 11 2021 Print: 8.420 S Feb 10 2021 MiTek Industries, Inc. Wed Jul 06 09:28:27 Page: 1

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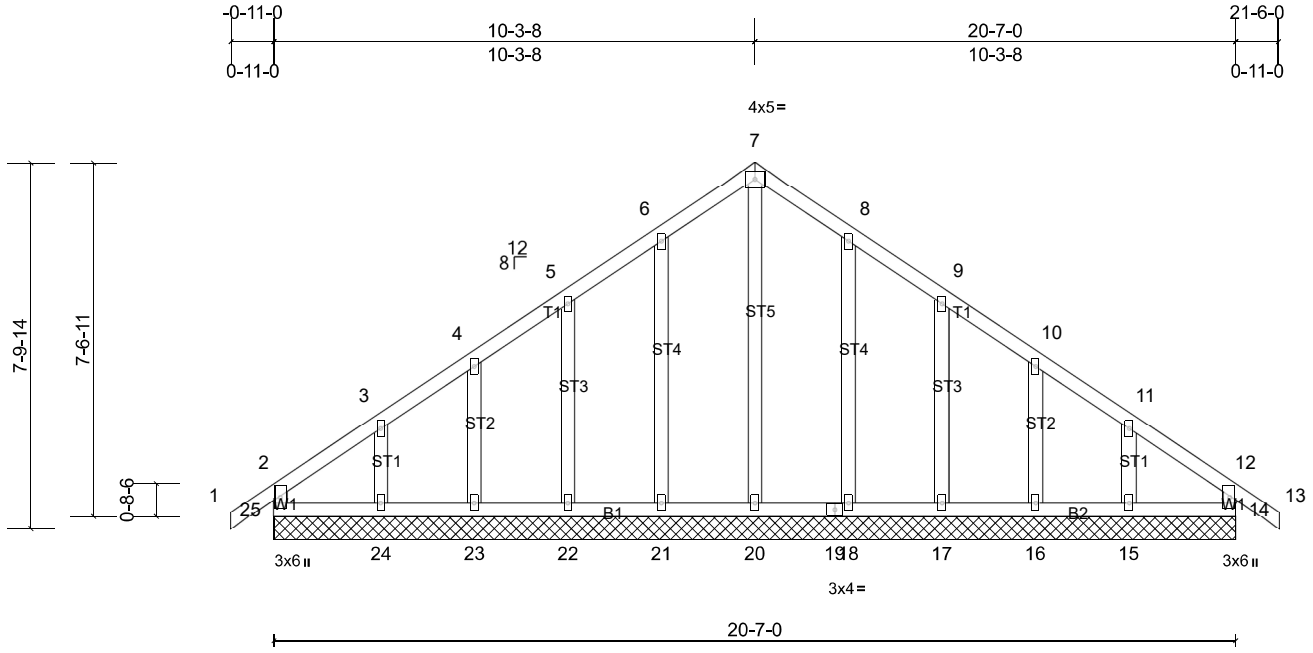

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20-7-0

Plate Offsets (X, Y): [14:0-1-8,0-0-4]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.04	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.00	14	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-AS							Weight: 126 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS All bearings 20-7-0.

(lb) - Max Horiz 25=-140 (LC 10)
Max Uplift All uplift 100 (lb) or less at joint(s) 14, 15, 16, 17, 18, 21, 22, 23, 24, 25
Max Grav All reactions 250 (lb) or less at joint (s) 14, 15, 16, 17, 18, 20, 21, 22, 23, 24, 25

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=25ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) -0-11-0 to 2-3-8, Exterior (2) 2-3-8 to 10-3-8, Corner (3) 10-3-8 to 13-3-8, Exterior (2) 13-3-8 to 21-6-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 25, 14, 21, 22, 23, 24, 18, 17, 16, 15.
11) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
12) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Value Build Homes - 23-05-09 Camden B
Q2201065	A02	Common	7	1	Job Reference (optional)

Carolina Structural Systems, Star, NC 27356 Run: 8.42 S Feb 10 2021 Print: 8.420 S Feb 10 2021 MiTek Industries, Inc. Wed Jul 06 09:28:27 Page: 1

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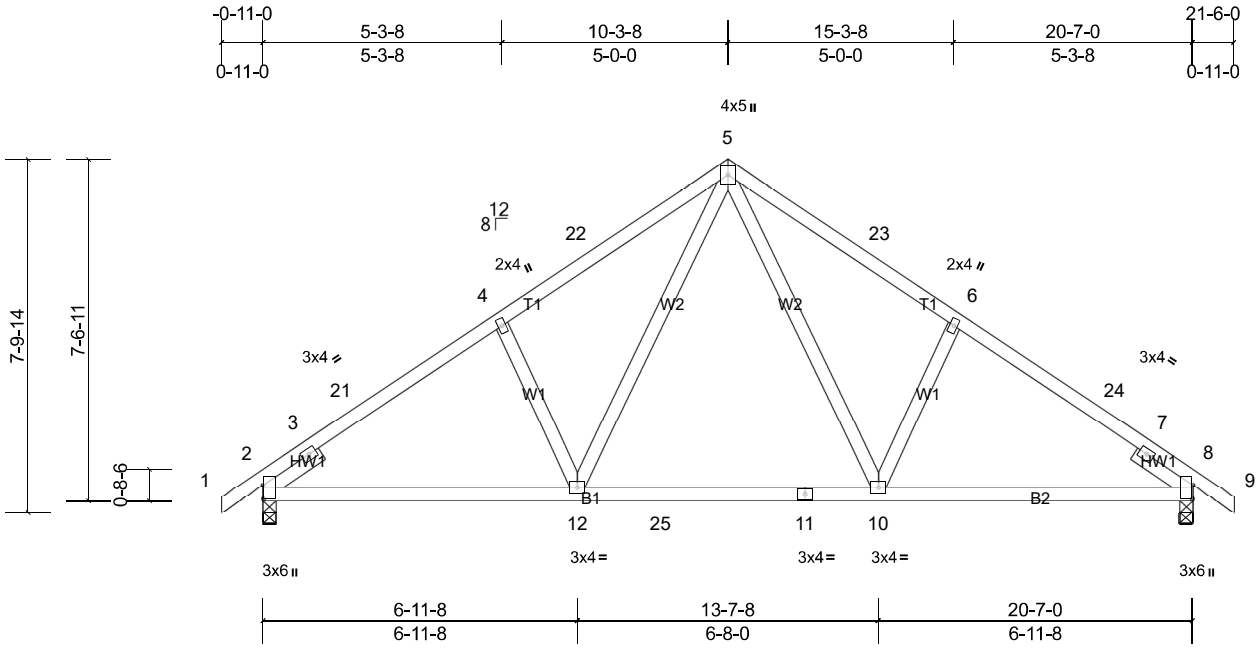

Scale = 1:51

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.24	Vert(LL)	-0.10	10-12	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.46	Vert(CT)	-0.15	10-12	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.17	Horz(CT)	0.02	8	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-AS		Wind(LL)	0.02	10-12	>999	240	Weight: 110 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS (lb/size) 2=878/0-3-8, (min. 0-1-8), 8=878/0-3-8, (min. 0-1-8)
Max Horiz 2=-127 (LC 10)
Max Uplift 2=-29 (LC 12), 8=-29 (LC 12)

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

TOP CHORD 2-3=-575/0, 3-21=-1087/62, 4-21=-963/83, 4-22=-986/115, 5-22=-902/135, 5-23=-902/135, 6-23=-986/115, 6-24=-965/83, 7-24=-1087/62, 7-8=-499/0
BOT CHORD 2-12=-46/902, 12-25=0/619, 11-25=0/619, 10-11=0/619, 8-10=0/849
WEBS 5-10=-31/450, 6-10=-258/118, 5-12=-31/445, 4-12=-258/118

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=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) -0-11-0 to 2-1-0, Interior (1) 2-1-0 to 10-3-8, Exterior (2) 10-3-8 to 13-3-8, Interior (1) 13-3-8 to 21-6-0 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 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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 29 lb uplift at joint 2 and 29 lb uplift at joint 8.
6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Value Build Homes - 23-05-09 Camden B
Q2201065	A03	Common	2	1	Job Reference (optional)

Carolina Structural Systems, Star, NC 27356 Run: 8.42 S Feb 10 2021 Print: 8.420 S Feb 10 2021 MiTek Industries, Inc. Wed Jul 06 09:28:28 Page: 1

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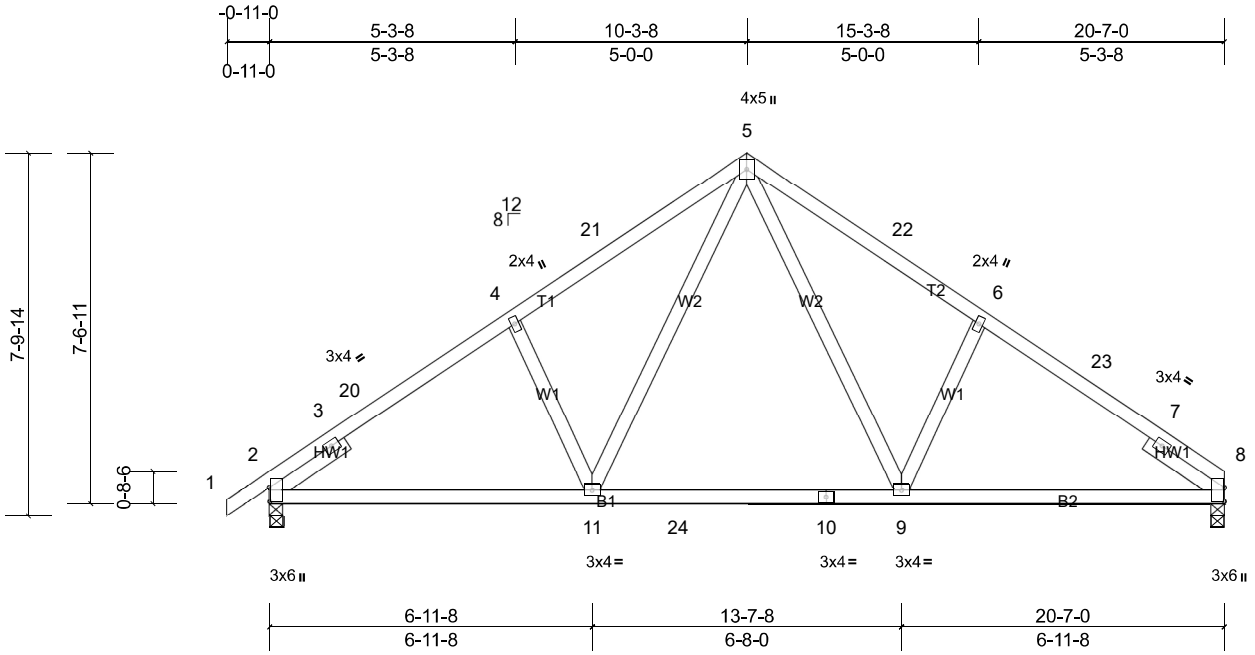

Scale = 1:49.7

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.24	Vert(LL)	-0.10	9-11	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.45	Vert(CT)	-0.15	9-11	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.17	Horz(CT)	0.02	8	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-AS		Wind(LL)	0.02	9-14	>999	240	Weight: 110 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.2 -- 1-11-10, Right 2x4 SP No.2 -- 1-11-10

BRACING

TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS (lb/size) 2=880/0-3-8, (min. 0-1-8), 8=822/0-3-8, (min. 0-1-8)
Max Horiz 2=124 (LC 11)
Max Uplift 2=-29 (LC 12), 8=-5 (LC 12)

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

TOP CHORD 2-3=-567/0, 3-20=-1076/62, 4-20=-1003/83, 4-21=-989/115, 5-21=-904/135, 5-22=-908/142, 6-22=-993/112, 6-23=-968/89, 7-23=-1041/71, 7-8=-529/0
BOT CHORD 2-11=-59/898, 11-24=0/614, 10-24=0/614, 9-10=0/614, 8-9=-6/854
WEBS 5-9=-33/455, 6-9=-260/118, 5-11=-31/445, 4-11=-257/118

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=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) -0-11-0 to 2-1-0, Interior (1) 2-1-0 to 10-3-8, Exterior (2) 10-3-8 to 13-3-8, Interior (1) 13-3-8 to 20-7-0 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 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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 5 lb uplift at joint 8 and 29 lb uplift at joint 2.
6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Value Build Homes - 23-05-09 Camden B
Q2201065	A04	Common	1	1	Job Reference (optional)

Carolina Structural Systems, Star, NC 27356 Run: 8.42 S Feb 10 2021 Print: 8.420 S Feb 10 2021 MiTek Industries, Inc. Wed Jul 06 09:28:28 Page: 1

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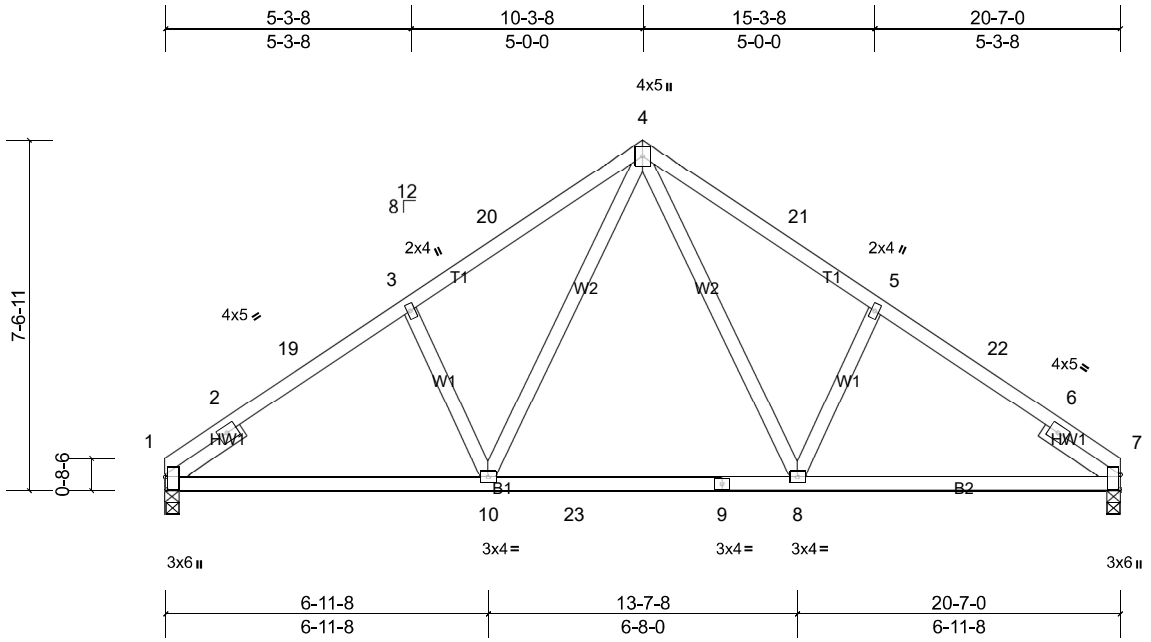

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Plate Offsets (X, Y): [1:0-3-4,0-0-7], [7:0-3-14,0-0-7], [7:0-0-0,0-0-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.24	Vert(LL)	-0.10	8-10	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.45	Vert(CT)	-0.15	8-10	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.17	Horz(CT)	0.02	7	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-AS		Wind(LL)	0.02	10-13	>999	240	Weight: 108 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.2 -- 1-11-10, Right 2x4 SP No.2 -- 1-11-10

BRACING

TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS (lb/size) 1=823/0-3-8, (min. 0-1-8), 7=823/0-3-8, (min. 0-1-8)
Max Horiz 1=-117 (LC 10)
Max Uplift 1=-6 (LC 12), 7=-6 (LC 12)

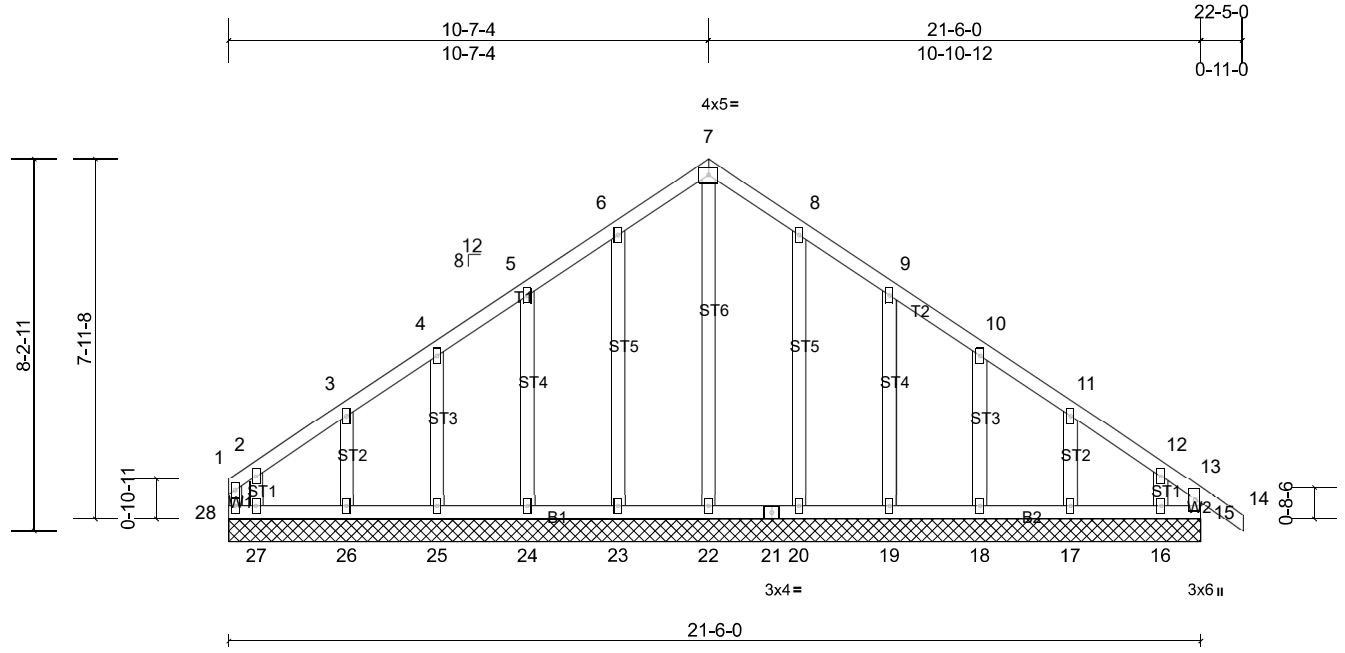
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-575/0, 2-19=-1040/72, 3-19=-970/89, 3-20=-995/113, 4-20=-909/142, 4-21=-909/142, 5-21=-995/113, 5-22=-970/89, 6-22=-1042/72, 6-7=-530/0
BOT CHORD 1-10=-73/903, 10-23=0/616, 9-23=0/616, 8-9=0/616, 7-8=-7/856
WEBS 4-8=-33/455, 5-8=-260/119, 4-10=-33/451, 3-10=-260/119

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=25ft; B=45ft; 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 10-3-8, Exterior (2) 10-3-8 to 13-3-8, Interior (1) 13-3-8 to 20-7-0 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 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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 6 lb uplift at joint 1 and 6 lb uplift at joint 7.
6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Value Build Homes - 23-05-09 Camden B
Q2201065	B01	Common Supported Gable	1	1	Job Reference (optional)



Scale = 1:51

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.05	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.00	15	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-AS							Weight: 135 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS All bearings 21-6-0.
(lb) - Max Horiz 28=-146 (LC 10)
Max Uplift All uplift 100 (lb) or less at joint(s) 15, 16, 17, 18, 19, 20, 23, 24, 25, 26, 27 except 28=-177 (LC 10)
Max Grav All reactions 250 (lb) or less at joint (s) 15, 16, 17, 18, 19, 20, 22, 23, 24, 25, 26, 27, 28

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=25ft; B=45ft; L=24ft; 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 10-7-4, Corner (3) 10-7-4 to 13-7-4, Exterior (2) 13-7-4 to 22-5-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 15, 23, 24, 25, 26, 27, 20, 19, 18, 17, 16 except (jt=lb) 28=176.
11) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
12) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Value Build Homes - 23-05-09 Camden B
Q2201065	B02	Common	1	1	Job Reference (optional)

Carolina Structural Systems, Star, NC 27356 Run: 8.42 S Feb 11 2021 Print: 8.420 S Feb 10 2021 MiTek Industries, Inc. Wed Jul 06 09:28:28 Page: 1

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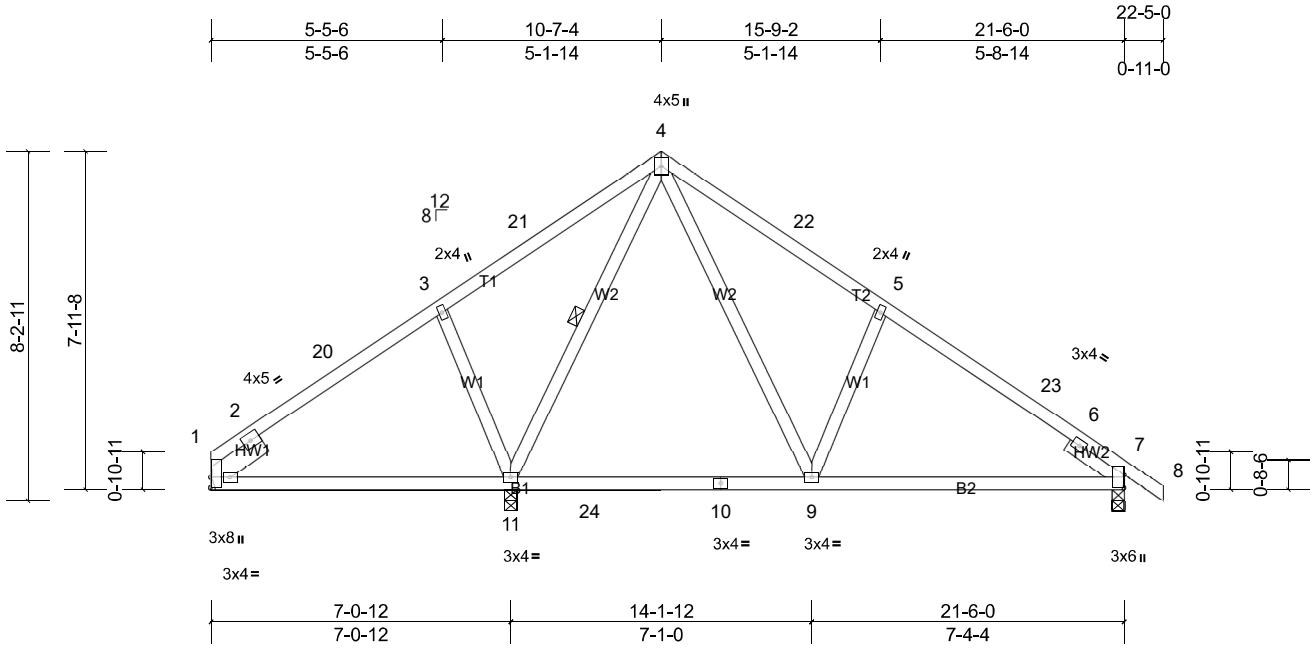

Scale = 1:54.2

Plate Offsets (X, Y): [7:0-3-10,0-0-3]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.31	Vert(LL)	-0.10	9-11	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.42	Vert(CT)	-0.13	9-11	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.19	Horz(CT)	0.01	1	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-AS		Wind(LL)	0.02	9-18	>999	240	Weight: 115 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 -- 1-6-0, Right 2x4 SP No.2 -- 1-6-11

BRACING

TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-11

REACTIONS (lb/size) 1=379/ Mechanical, (min. 0-1-8), 7=681/0-3-8, (min. 0-1-8), 11=714/0-3-8, (min. 0-1-8)
Max Horiz 1=-130 (LC 10)
Max Uplift 1=-18 (LC 12), 7=-36 (LC 12)
Max Grav 1=379 (LC 1), 7=681 (LC 1), 11=749 (LC 17)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-328/0, 2-20=-352/81, 3-20=-277/100, 3-21=-329/128, 4-21=-298/159, 4-22=-598/146, 5-22=-653/126, 5-23=-687/86, 6-23=-714/62, 6-7=-467/0
BOT CHORD 1-11=-73/275, 11-24=0/286, 10-24=0/286, 9-10=0/286, 7-9=0/572
WEBS 3-11=-300/124, 4-11=-379/0, 5-9=-296/126, 4-9=-36/511

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=25ft; B=45ft; 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 10-7-4, Exterior (2) 10-7-4 to 13-7-4, Interior (1) 13-7-4 to 22-5-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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 18 lb uplift at joint 1 and 36 lb uplift at joint 7.
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Value Build Homes - 23-05-09 Camden B
Q2201065	B03	Common	1	1	Job Reference (optional)

Carolina Structural Systems, Star, NC 27356 Run: 8.42 S Feb 11 2021 Print: 8.420 S Feb 10 2021 MiTek Industries, Inc. Wed Jul 06 09:28:28 Page: 1

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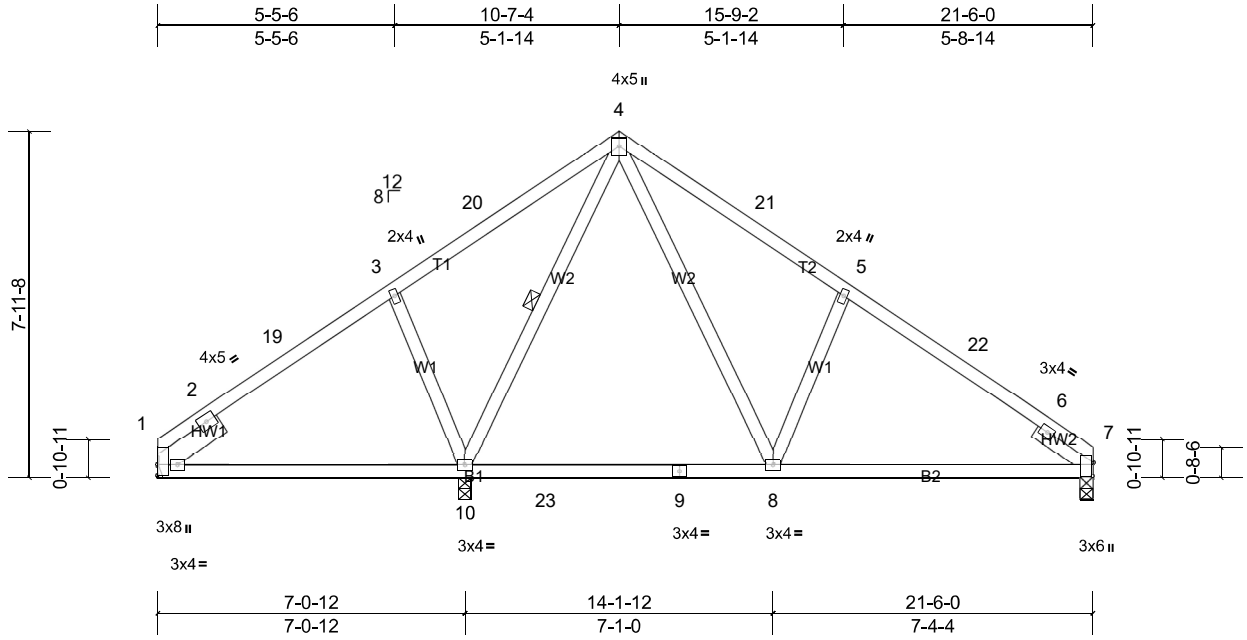

Scale = 1:53

Plate Offsets (X, Y): [7:0-3-14,0-0-7]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.31	Vert(LL)	-0.10	8-10	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.42	Vert(CT)	-0.13	8-10	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.19	Horz(CT)	0.01	1	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-AS		Wind(LL)	0.02	8-17	>999	240	Weight: 114 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 -- 1-9-3, Right 2x4 SP No.3 -- 1-6-11

BRACING

TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-10

REACTIONS (lb/size) 1=384/ Mechanical, (min. 0-1-8), 7=627/0-3-8, (min. 0-1-8), 10=708/0-3-8, (min. 0-1-8)
Max Horiz 1=122 (LC 11)
Max Uplift 1=-18 (LC 12), 7=-12 (LC 12)
Max Grav 1=384 (LC 1), 7=627 (LC 1), 10=743 (LC 20)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-339/0, 2-19=-309/82, 3-19=-279/100, 3-20=-331/128, 4-20=-300/159, 4-21=-600/149, 5-21=-662/127, 5-22=-692/89, 6-22=-697/70, 6-7=-485/0
BOT CHORD 1-10=-71/274, 10-23=0/283, 9-23=0/283, 8-9=0/283, 7-8=-7/580
WEBS 3-10=-300/124, 4-10=-373/0, 5-8=-300/127, 4-8=-38/516

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=25ft; B=45ft; 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 10-7-4, Exterior (2) 10-7-4 to 13-7-4, Interior (1) 13-7-4 to 21-6-0 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 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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 18 lb uplift at joint 1 and 12 lb uplift at joint 7.
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Value Build Homes - 23-05-09 Camden B
Q2201065	B04	Common	2	1	Job Reference (optional)

Carolina Structural Systems, Star, NC 27356 Run: 8.42 S Feb 11 2021 Print: 8.420 S Feb 10 2021 MiTek Industries, Inc. Wed Jul 06 09:28:28 Page: 1

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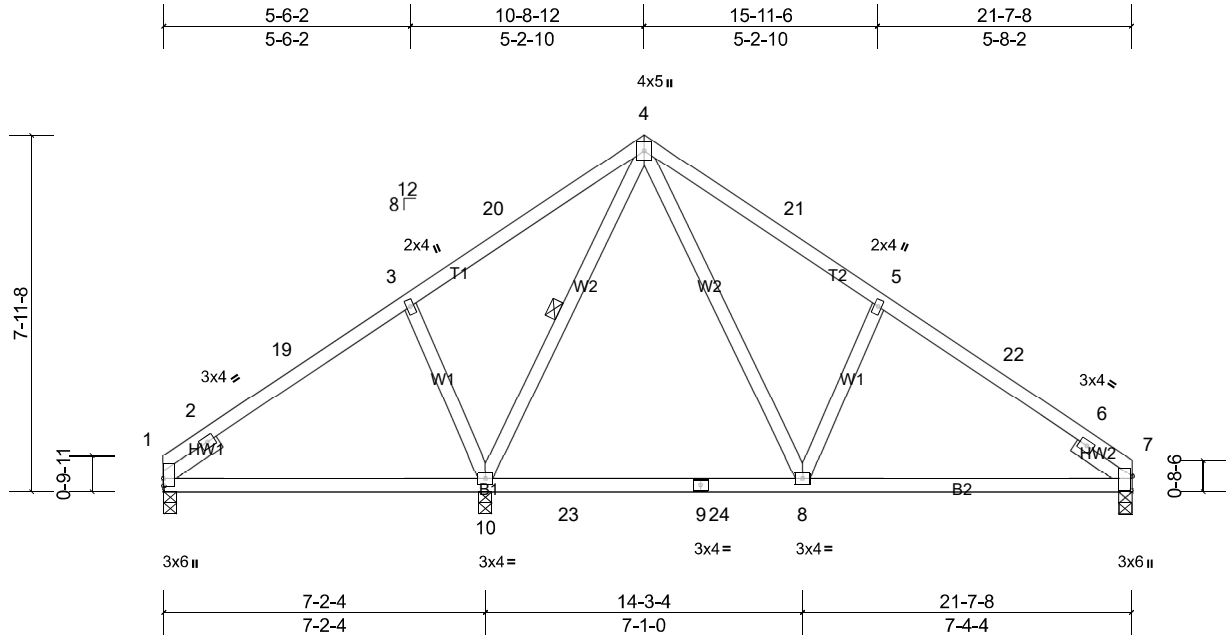


Scale = 1:51.5

Plate Offsets (X, Y): [7:0-3-14,0-0-7]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.32	Vert(LL)	-0.11	8-10	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.42	Vert(CT)	-0.14	8-10	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.20	Horz(CT)	0.01	1	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-AS		Wind(LL)	0.02	8-17	>999	240	Weight: 113 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-10

REACTIONS (lb/size) 1=381/0-3-8, (min. 0-1-8), 7=624/0-3-8, (min. 0-1-8), 10=725/0-3-8, (min. 0-1-8)
Max Horiz 1=123 (LC 11)
Max Uplift 1=-13 (LC 12), 7=-10 (LC 12)
Max Grav 1=381 (LC 1), 7=624 (LC 1), 10=768 (LC 20)

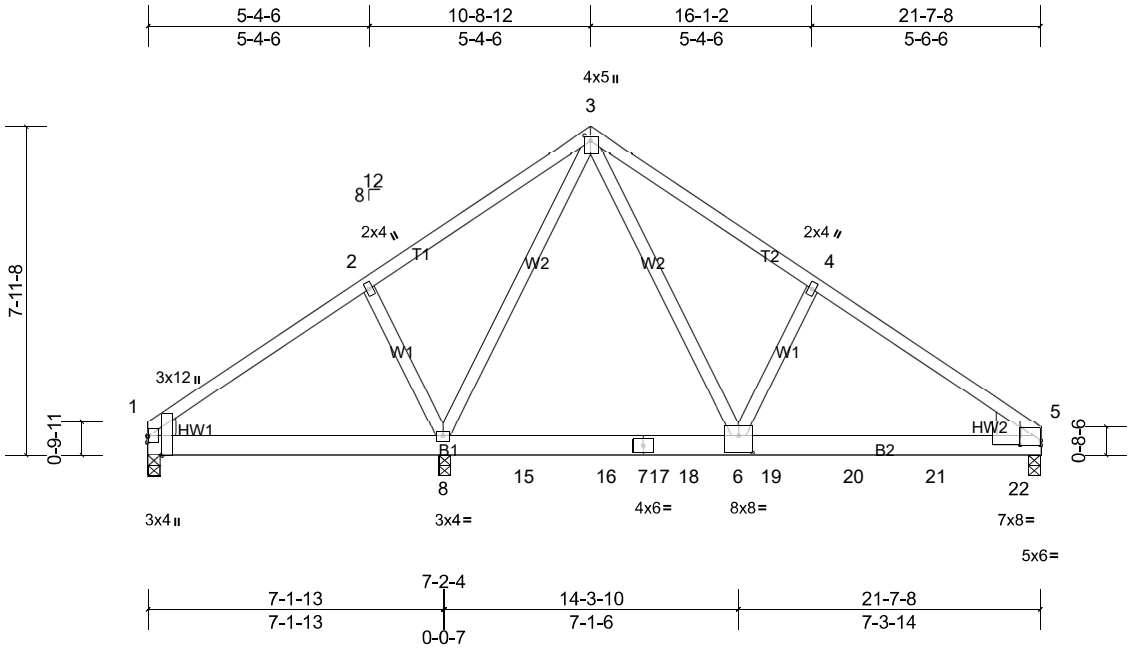
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-357/0, 2-19=-307/73, 3-19=-272/92, 3-20=-321/118, 4-20=-288/150, 4-21=-591/145, 5-21=-655/121, 5-22=-688/86, 6-22=-695/67, 6-7=-487/0
BOT CHORD 1-10=-97/270, 10-23=0/279, 9-23=0/279, 9-24=0/279, 8-24=0/279, 7-8=-5/578
WEBS 3-10=-307/126, 4-10=-385/0, 5-8=-299/126, 4-8=-37/519

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=25ft; B=45ft; 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 10-8-12, Exterior (2) 10-8-12 to 13-8-12, Interior (1) 13-8-12 to 21-7-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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 13 lb uplift at joint 1 and 10 lb uplift at joint 7.
6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Value Build Homes - 23-05-09 Camden B
Q2201065	B05	Common Girder	1	3	Job Reference (optional)



Scale = 1:55.8

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.35	Vert(LL)	-0.09	6-14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.99	Vert(CT)	-0.19	6-14	>934	240		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.79	Horz(CT)	-0.01	5	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS		Wind(LL)	0.05	6-8	>999	240	Weight: 390 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.1 *Except* B1:2x6 SP No.2
WEBS 2x4 SP No.3
WEDGE Left: 2x6 SP No.2
Right: 2x8 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.

REACTIONS (lb/size) 1=-47/0-3-8, (min. 0-1-8), 5=4871/0-3-8, (min. 0-2-0), 8=4881/0-3-8, (min. 0-1-15)
Max Horiz 1=123 (LC 7)
Max Uplift 1=-203 (LC 18)
Max Grav 1=99 (LC 4), 5=5074 (LC 14), 8=4881 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-104/289, 2-3=-64/378, 3-4=-4627/0, 4-5=-4707/0
BOT CHORD 8-15=0/1302, 15-16=0/1302, 7-16=0/1302, 7-17=0/1302, 17-18=0/1302, 6-18=0/1302, 6-19=0/3891, 19-20=0/3891, 20-21=0/3891, 21-22=0/3891, 5-22=0/3891
WEBS 2-8=-270/125, 3-8=-3520/0, 3-6=0/5875, 4-6=-354/85

NOTES
1) 3-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 - 3 rows staggered at 0-5-0 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=25ft; B=45ft; 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 203 lb uplift at joint 1.
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1063 lb down and 20 lb up at 9-1-4, 1063 lb down and 20 lb up at 11-1-4, 1236 lb down at 13-1-4, 1240 lb down at 15-1-4, 1240 lb down at 17-1-4, and 1240 lb down at 19-1-4, and 1245 lb down at 21-1-4 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=1.00
Uniform Loads (lb/ft)
Vert: 1-3=-60, 3-5=-60, 9-12=-20
Concentrated Loads (lb)
Vert: 15=-1063 (B), 16=-1063 (B), 18=-1169 (B), 19=-1169 (B), 20=-1169 (B), 21=-1169 (B), 22=-1173 (B)

Job	Truss	Truss Type	Qty	Ply	Value Build Homes - 23-05-09 Camden B
Q2201065	C01	Monopitch Girder	1	1	Job Reference (optional)

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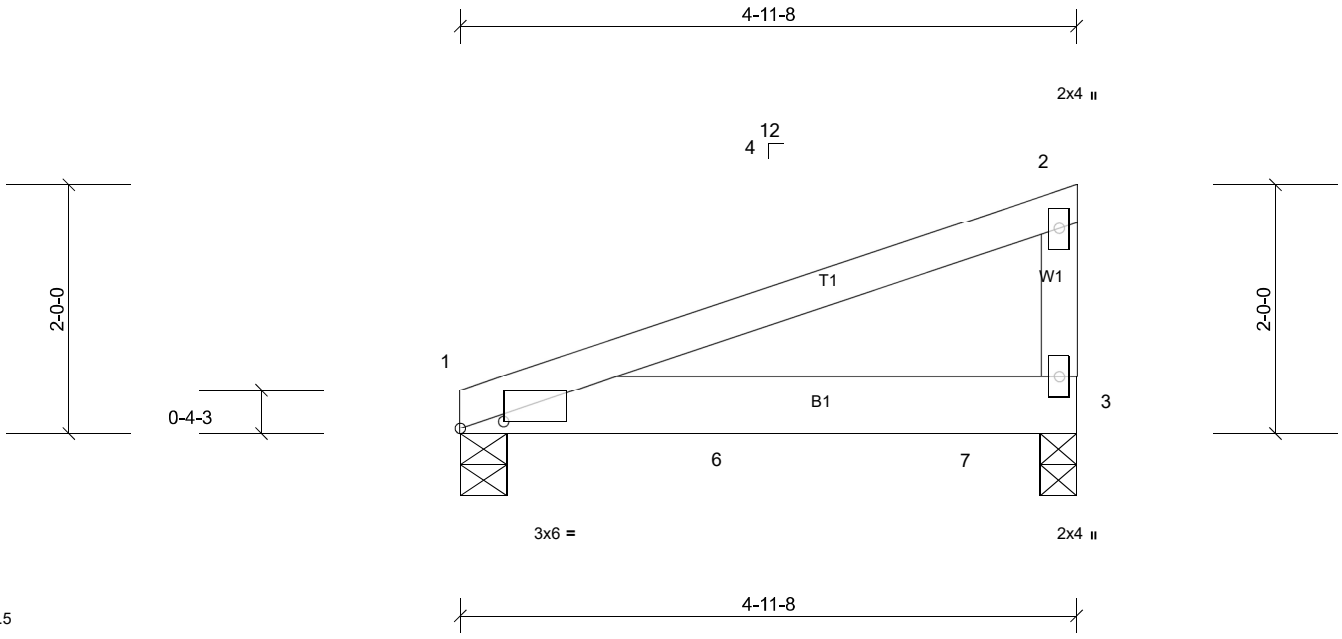

Scale = 1:18.5

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.42	Vert(LL)	-0.04	3-5	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.73	Vert(CT)	-0.08	3-5	>696	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MP		Wind(LL)	0.03	3-5	>999	240	Weight: 21 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-11-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=455/0-4-8, (min. 0-1-8), 3=656/0-3-8, (min. 0-1-8)
Max Horiz 1=47 (LC 5)
Max Uplift 1=-22 (LC 8), 3=-40 (LC 8)

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=25ft; B=45ft; 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
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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 22 lb uplift at joint 1 and 40 lb uplift at joint 3.
5) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 359 lb down and 30 lb up at 2-0-12, and 367 lb down and 28 lb up at 4-0-12 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=1.00
Uniform Loads (lb/ft)
Vert: 1-2=-60, 1-3=-20
Concentrated Loads (lb)
Vert: 6=-359, 7=-367

Job	Truss	Truss Type	Qty	Ply	Value Build Homes - 23-05-09 Camden B
Q2201065	D01	Common Supported Gable	1	1	Job Reference (optional)

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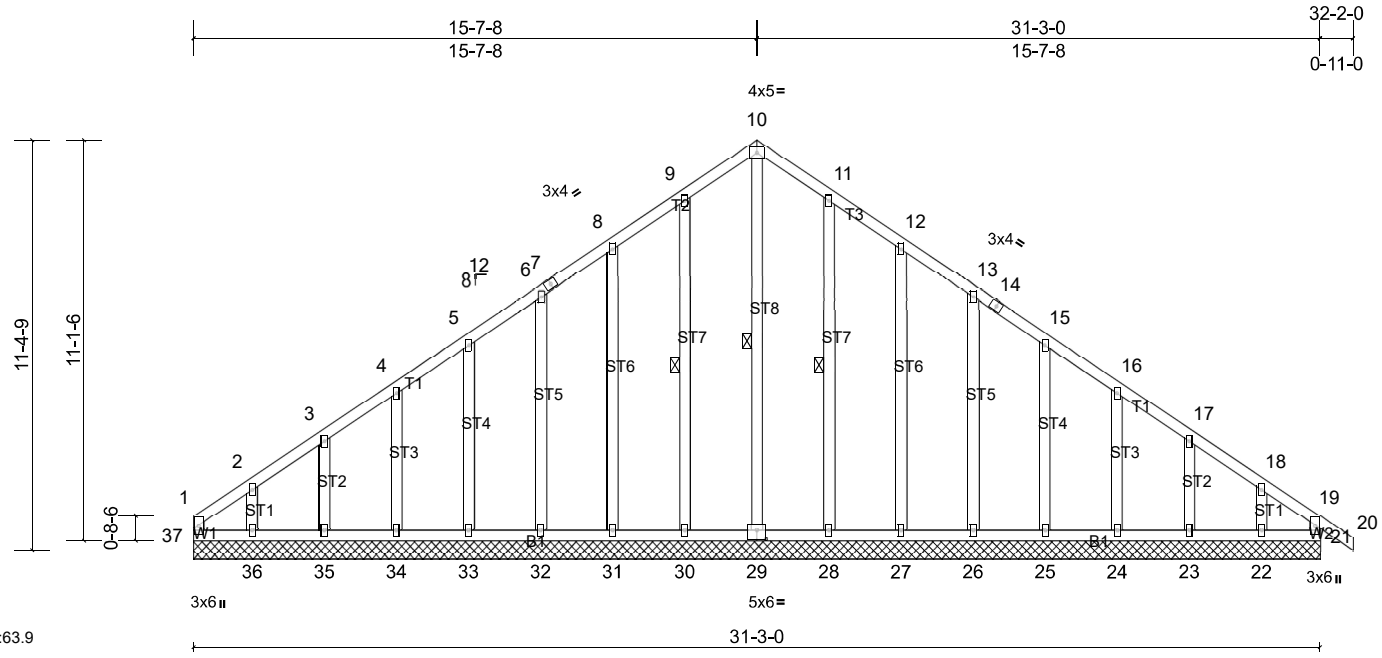

Scale = 1:63.9

31-3-0

Plate Offsets (X, Y): [29:0-3-0,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.06	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.01	21	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-AS							Weight: 230 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied, except end verticals.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 10-29, 9-30, 11-28

REACTIONS All bearings 31-3-0.

(lb) - Max Horiz 37=-204 (LC 10)
Max Uplift All uplift 100 (lb) or less at joint(s) 21, 22, 23, 24, 25, 26, 27, 28, 30, 31, 32, 33, 34, 35, 36, 37
Max Grav All reactions 250 (lb) or less at joint (s) 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37

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=25ft; B=45ft; L=31ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) 0-1-12 to 3-3-4, Exterior (2) 3-3-4 to 15-7-8, Corner (3) 15-7-8 to 18-9-0, Exterior (2) 18-9-0 to 32-2-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) 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 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 37, 21, 30, 31, 32, 33, 34, 35, 36, 28, 27, 26, 25, 24, 23, 22.
11) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
12) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Value Build Homes - 23-05-09 Camden B
Q2201065	D02	Common	7	1	Job Reference (optional)

Carolina Structural Systems, Star, NC 27356 Run: 8.42 S Feb 10 2021 Print: 8.420 S Feb 10 2021 MiTek Industries, Inc. Wed Jul 06 09:28:29 Page: 1

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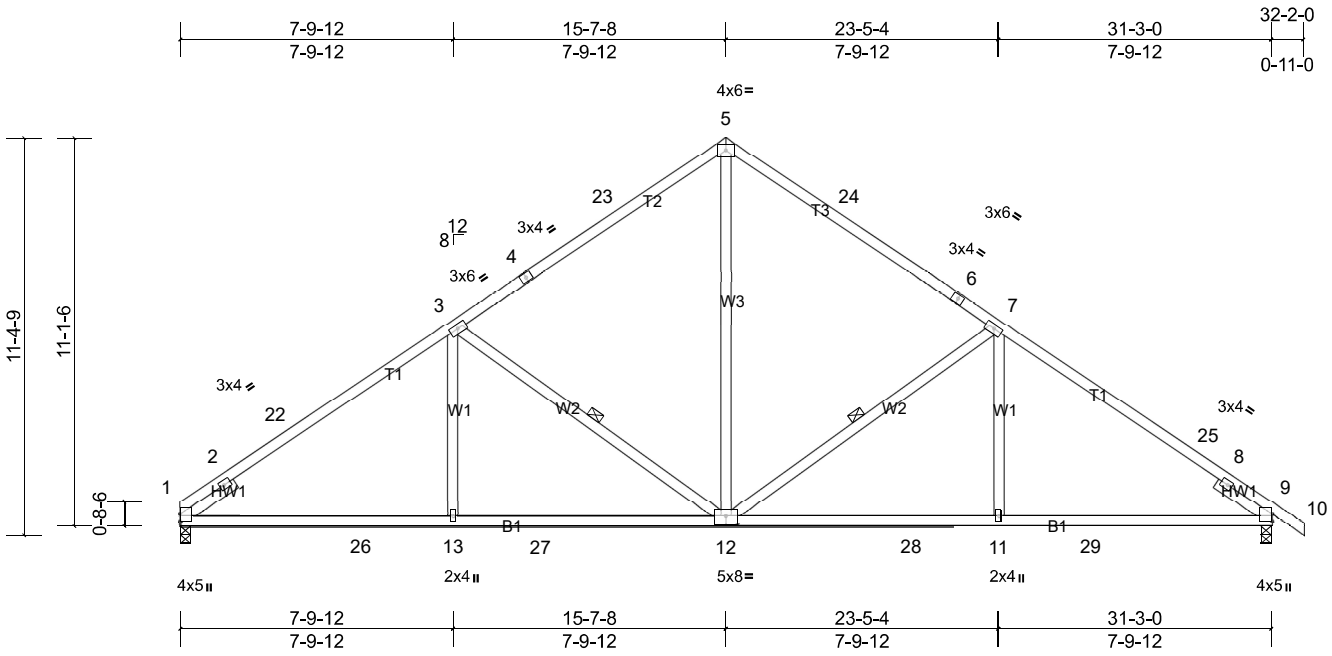

Plate Offsets (X, Y): [12:0-4-0,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.57	Vert(LL)	-0.09	11-12	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.61	Vert(CT)	-0.20	11-12	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.36	Horz(CT)	0.07	9	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-AS		Wind(LL)	0.04	13-16	>999	240	Weight: 169 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.2 -- 1-10-8, Right 2x4 SP No.2 -- 1-10-8

BRACING

TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 7-12, 3-12

REACTIONS (lb/size) 1=1249/0-3-8, (min. 0-1-8), 9=1306/0-3-8, (min. 0-1-9)
Max Horiz 1=-191 (LC 10)
Max Uplift 1=-9 (LC 12), 9=-32 (LC 12)
Max Grav 1=1281 (LC 20), 9=1332 (LC 21)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-788/0, 2-22=-1801/79, 3-22=-1642/110, 3-4=-1258/118, 4-23=-1147/141, 5-23=-1123/165, 5-24=-1123/163, 6-24=-1147/139, 6-7=-1257/116, 7-25=-1639/105, 8-25=-1798/68, 8-9=-675/0
BOT CHORD 1-26=-110/1559, 13-26=0/1559, 13-27=0/1559, 12-27=0/1559, 12-28=0/1421, 11-28=0/1421, 11-29=0/1421, 9-29=0/1421
WEBS 5-12=-38/867, 7-12=-674/118, 7-11=0/329, 3-12=-677/119, 3-13=0/330

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=25ft; B=45ft; L=31ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 0-0-0 to 3-1-8, Interior (1) 3-1-8 to 15-7-8, Exterior (2) 15-7-8 to 18-9-0, Interior (1) 18-9-0 to 32-2-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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 9 lb uplift at joint 1 and 32 lb uplift at joint 9.
6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Value Build Homes - 23-05-09 Camden B
Q2201065	D03	Roof Special	2	1	Job Reference (optional)

Carolina Structural Systems, Star, NC 27356 Run: 8.42 S Feb 11 2021 Print: 8.420 S Feb 10 2021 MiTek Industries, Inc. Wed Jul 06 09:28:29 Page: 1

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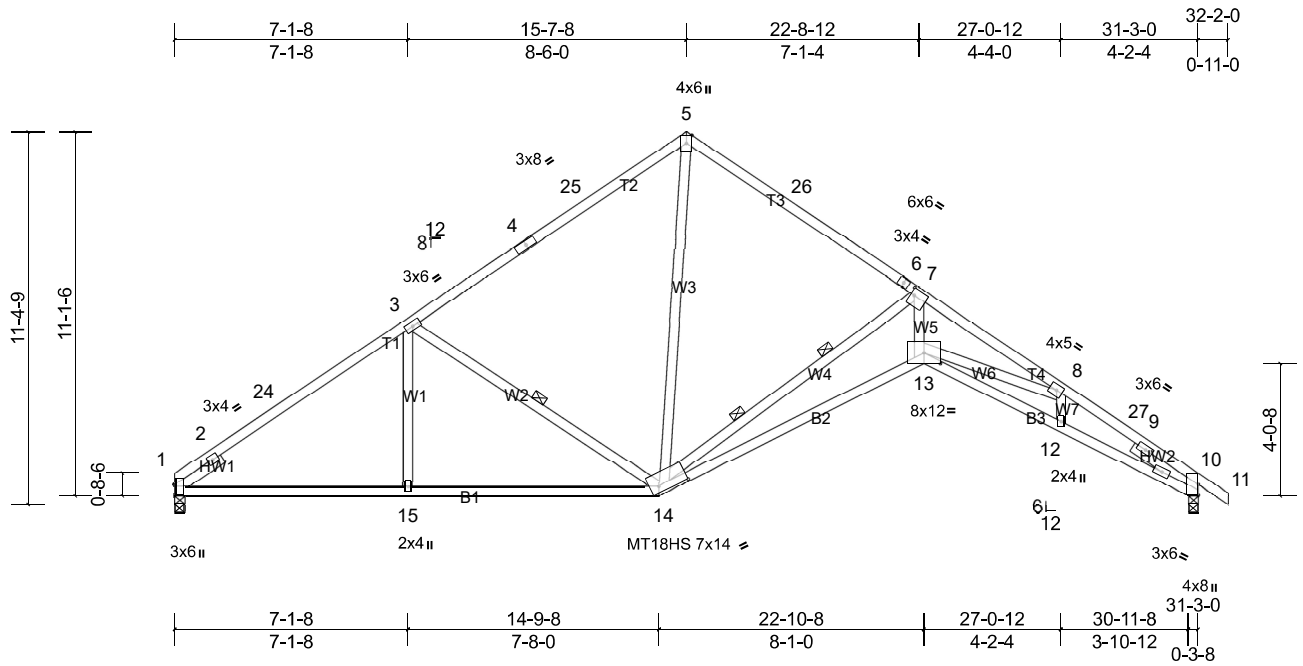


Scale = 1:70.4

Plate Offsets (X, Y): [1:0-3-14,0-0-7], [7:0-1-4,0-2-8], [13:0-6-0,0-3-15], [14:0-10-12,0-2-4]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.84	Vert(LL)	-0.40	12-13	>944	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.83	Vert(CT)	-0.85	13-14	>443	240	MT18HS	244/190
BCLL	0.0*	Rep Stress Incr	YES	WB	0.96	Horz(CT)	0.62	10	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-AS		Wind(LL)	0.21	12-13	>999	240	Weight: 175 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2 *Except* T4:2x4 SP No.1
BOT CHORD 2x4 SP No.2 *Except* B2:2x4 SP No.1, B3:2x4 SP DSS
WEBS 2x4 SP No.3 *Except* W5:2x4 SP No.2, W4:2x4 SP DSS
SLIDER Left 2x4 SP No.2 -- 1-8-8, Right 2x4 SP No.2 -- 2-5-0

BRACING

TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 3-14
WEBS 2 Rows at 1/3 pts 7-14

REACTIONS (lb/size) 1=1249/0-3-8, (min. 0-1-8), 10=1306/0-3-8, (min. 0-1-8)
Max Horiz 1=-191 (LC 10)
Max Uplift 1=-9 (LC 12), 10=-32 (LC 12)

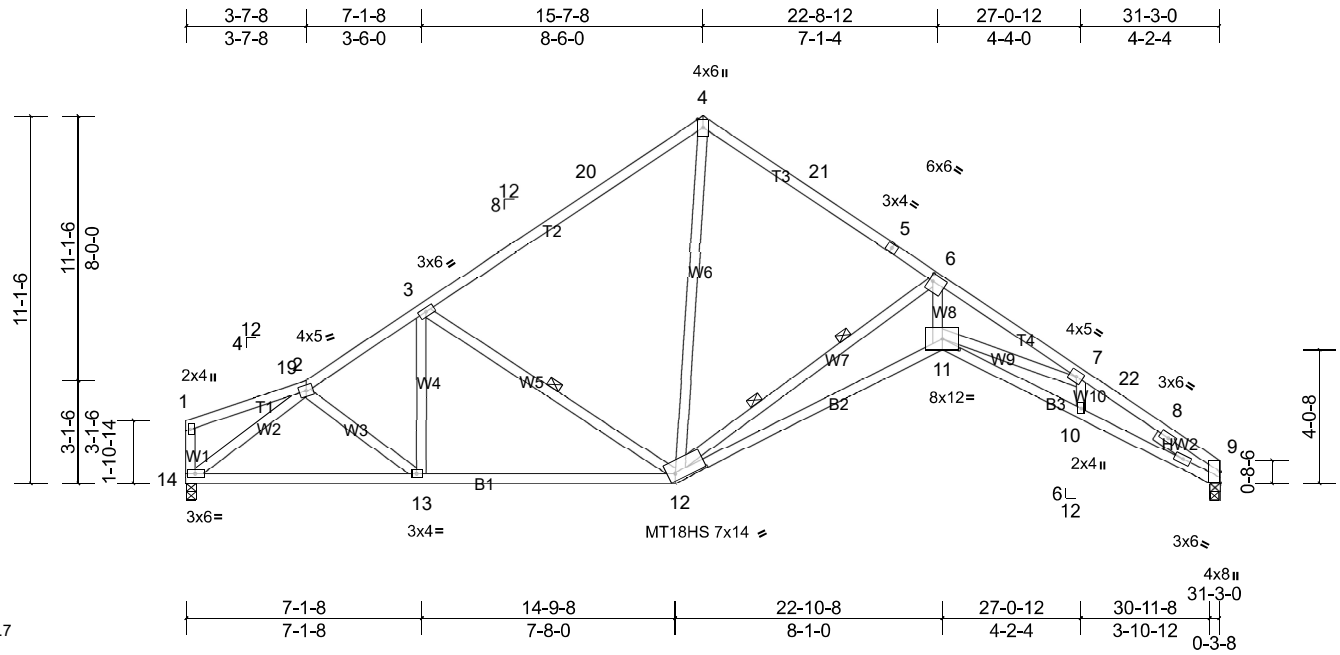
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-764/0, 2-24=-1779/82, 3-24=-1604/109, 3-4=-1306/131, 4-25=-1161/137, 5-25=-1127/164, 5-26=-1068/165, 6-26=-1185/141, 6-7=-1200/117, 7-8=-4930/23, 8-27=-4207/83, 9-27=-4223/71, 9-10=-1354/39
BOT CHORD 1-15=-81/1410, 14-15=0/1410, 13-14=0/4281, 12-13=-9/3781, 10-12=-16/3681
WEBS 3-15=0/282, 3-14=-561/124, 5-14=-33/775, 7-13=0/3929, 8-13=0/764, 7-14=-3645/23

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=25ft; B=45ft; L=31ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 0-0-0 to 3-1-8, Interior (1) 3-1-8 to 15-7-8, Exterior (2) 15-7-8 to 18-9-0, Interior (1) 18-9-0 to 32-2-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are MT20 plates unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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 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 9 lb uplift at joint 1 and 32 lb uplift at joint 10.
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Value Build Homes - 23-05-09 Camden B
Q2201065	D04	Roof Special	1	1	Job Reference (optional)



Scale = 1:69.7

Plate Offsets (X, Y): [6:0-1-4,0-2-8], [11:0-6-0,0-3-15], [12:0-11-4,0-2-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.85	Vert(LL)	-0.40	11-12	>944	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.83	Vert(CT)	-0.84	11-12	>443	240	MT18HS	244/190
BCLL	0.0*	Rep Stress Incr	YES	WB	0.96	Horz(CT)	0.62	9	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-AS		Wind(LL)	0.22	10-11	>999	240	Weight: 184 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2 *Except* T4:2x4 SP No.1
BOT CHORD 2x4 SP No.2 *Except* B2:2x4 SP No.1, B3:2x4 SP DSS
WEBS 2x4 SP No.3 *Except* W1,W8:2x4 SP No.2, W7:2x4 SP DSS
SLIDER Right 2x4 SP No.2 -- 2-4-0

BRACING
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 3-12
WEBS 2 Rows at 1/3 pts 6-12

REACTIONS (lb/size) 9=1244/0-3-8, (min. 0-1-8), 14=1244/0-3-8, (min. 0-1-8)
Max Horiz 14=-198 (LC 10)
Max Uplift 9=-9 (LC 12), 14=-9 (LC 12)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1663/107, 3-20=-1296/133, 4-20=-1117/160, 4-21=-1058/166, 5-21=-1080/142, 5-6=-1191/124, 6-7=-4912/62, 7-22=-4148/142, 8-22=-4219/131, 8-9=-1404/75
BOT CHORD 13-14=-24/1341, 12-13=0/1387, 11-12=0/4265, 10-11=-69/3779, 9-10=-75/3678
WEBS 3-13=0/261, 3-12=-543/114, 4-12=-28/766, 2-14=-1620/94, 6-11=0/3920, 6-12=-3636/50, 7-11=0/751

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=25ft; B=45ft; L=31ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 4-9-12 to 7-11-4, Interior (1) 7-11-4 to 20-3-8, Exterior (2) 20-3-8 to 23-5-0, Interior (1) 23-5-0 to 35-11-0 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) All plates are MT20 plates unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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) 9 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 9 lb uplift at joint 9 and 9 lb uplift at joint 14.
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Value Build Homes - 23-05-09 Camden B
Q2201065	E01	Roof Special Girder	1	2	Job Reference (optional)

Carolina Structural Systems, Star, NC 27356 Run: 8.42 S Feb 11 2021 Print: 8.420 S Feb 10 2021 MiTek Industries, Inc. Wed Jul 06 09:28:29 Page: 1

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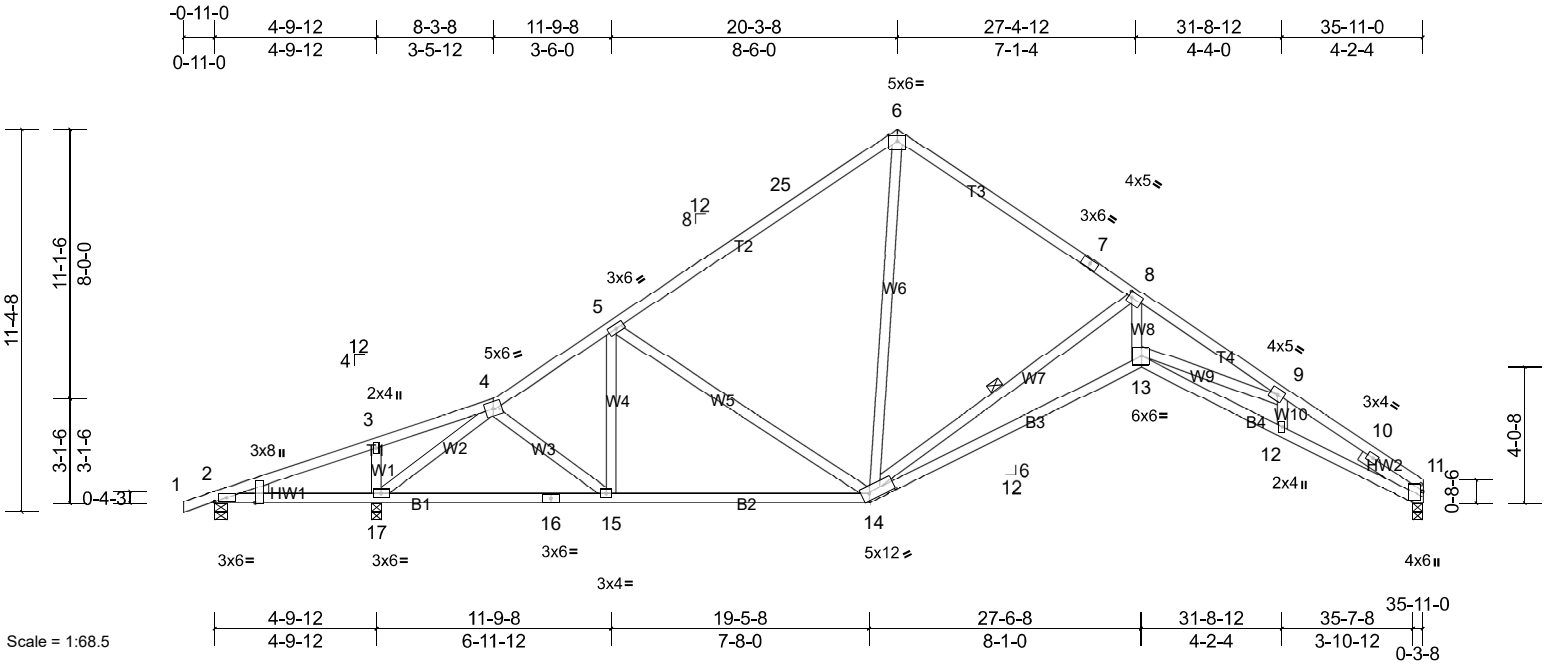

Plate Offsets (X, Y): [2:0-1-8,Edge], [2:0-0-8,Edge], [8:0-1-0,0-2-0], [11:0-2-11,0-0-15], [14:0-9-4,0-2-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.83	Vert(LL)	-0.24	12-13	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.79	Vert(CT)	-0.55	13-14	>684	240		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.86	Horz(CT)	0.38	11	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS		Wind(LL)	0.12	12-13	>999	240	Weight: 403 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2 *Except* T2:2x4 SP No.1
BOT CHORD 2x4 SP No.2 *Except* B4:2x4 SP No.1
WEBS 2x4 SP No.3
WEDGE Left: 2x4 SP No.2
SLIDER Right 2x4 SP No.2 -- 2-3-0

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-8-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 17-20.
WEBS 1 Row at midpt 8-14

REACTIONS (lb/size) 2=-823/0-4-8, (min. 0-1-8), 11=1300/0-3-8, (min. 0-1-8), 17=3749/0-3-8, (min. 0-2-3)
Max Horiz 2=192 (LC 7)
Max Uplift 2=-823 (LC 1)
Max Grav 2=-210 (LC 8), 11=1300 (LC 1), 17=3749 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=0/3069, 3-4=0/3055, 4-5=-1840/0, 5-25=-1592/0, 6-25=-1171/0, 6-7=-1178/0, 7-8=-1287/0, 8-9=-5205/0, 9-10=-4415/0, 10-11=-1712/0
BOT CHORD 2-17=-2846/0, 16-17=0/929, 15-16=0/929, 14-15=0/1520, 13-14=0/4521, 12-13=0/3961, 11-12=0/3846
WEBS 3-17=-665/0, 4-17=-4625/0, 4-15=0/987, 5-15=-486/51, 5-14=-742/0, 6-14=0/791, 9-13=0/838, 8-13=0/4144, 8-14=-3820/0

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: 2x4 - 1 row 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=25ft; B=45ft; L=36ft; eave=5ft; 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) 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.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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) Bearing at joint(s) 11 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 823 lb uplift at joint 2.
11) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
12) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 1-3=-60, 6-25=-60, 6-11=-60, 14-18=-20, 13-14=-20, 13-21=-20
Trapezoidal Loads (lb/ft)
Vert: 3=-209-to-4=-184, 4=-184-to-5=-159, 5=-159-to-25=-120

Job	Truss	Truss Type	Qty	Ply	Value Build Homes - 23-05-09 Camden B
Q2201065	E02	Roof Special	3	1	Job Reference (optional)

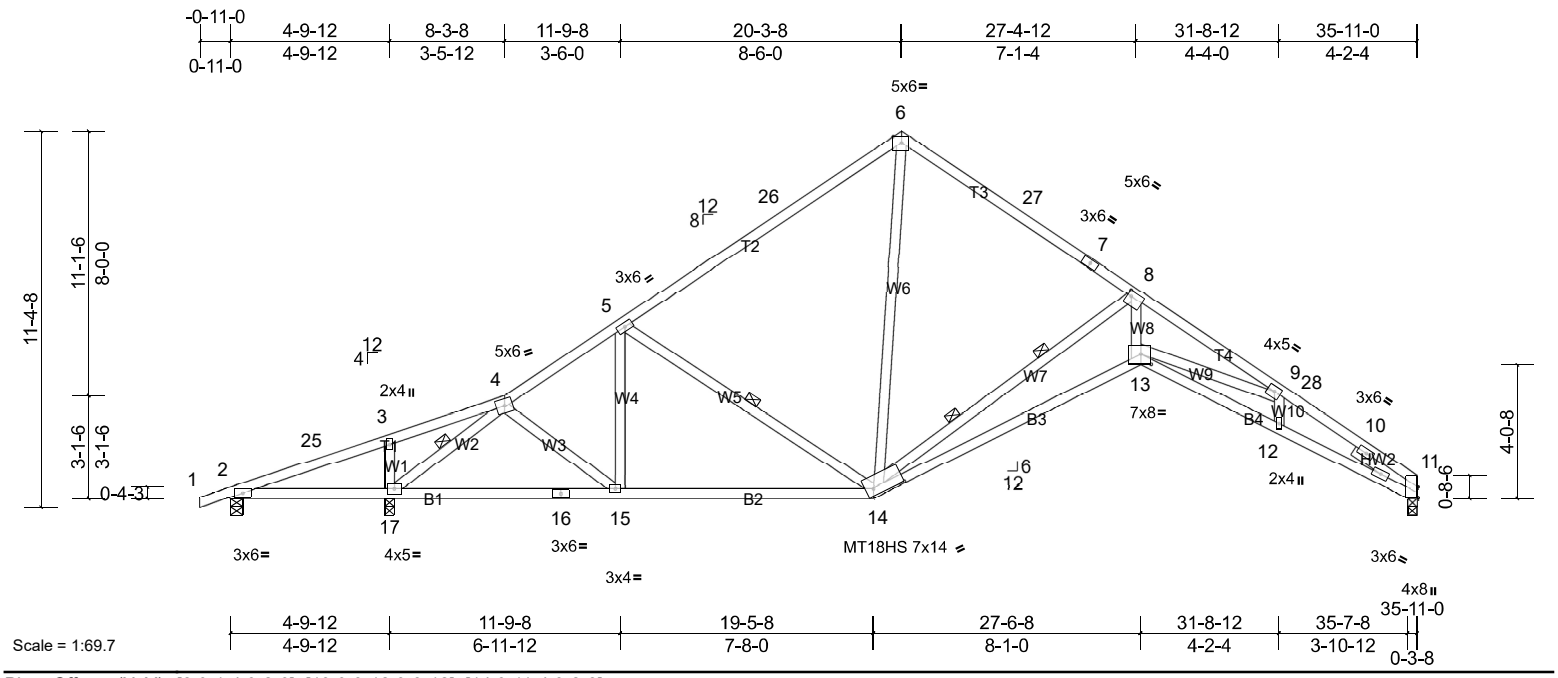

Plate Offsets (X, Y): [8:0-1-4,0-2-0], [13:0-3-12,0-3-12], [14:0-11-4,0-2-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.80	Vert(LL)	-0.36	12-13	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.75	Vert(CT)	-0.77	13-14	>482	240	MT18HS	244/190
BCLL	0.0*	Rep Stress Incr	YES	WB	0.93	Horz(CT)	0.54	11	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-AS		Wind(LL)	0.20	13	>999	240	Weight: 200 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2 *Except* T4:2x4 SP No.1
BOT CHORD 2x4 SP No.2 *Except* B3:2x4 SP No.1, B4:2x4 SP DSS
WEBS 2x4 SP No.3 *Except* W8:2x4 SP No.2, W7:2x4 SP No.1
SLIDER Right 2x4 SP No.2 -- 2-4-0

BRACING
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-17, 5-14
WEBS 2 Rows at 1/3 pts 8-14

REACTIONS (lb/size) 2=-461/0-4-8, (min. 0-1-8), 11=1134/0-3-8, (min. 0-1-8), 17=2256/0-3-8, (min. 0-2-11)
Max Horiz 2=192 (LC 11)
Max Uplift 2=-461 (LC 1), 11=-10 (LC 12)
Max Grav 2=-34 (LC 12), 11=1134 (LC 1), 17=2256 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-25=-36/1971, 3-25=-23/2029, 3-4=0/1975, 4-5=-1038/99, 5-26=-1083/132, 6-26=-919/160, 6-27=-882/167, 7-27=-888/142, 7-8=-999/124, 8-9=-4334/62, 9-28=-3729/148, 10-28=-3800/137, 10-11=-1280/77
BOT CHORD 2-17=-1870/42, 16-17=-34/384, 15-16=-34/384, 14-15=0/878, 13-14=0/3759, 12-13=-74/3405, 11-12=-80/3315
WEBS 3-17=-359/85, 4-17=-2741/61, 4-15=0/776, 5-15=-354/83, 5-14=-250/110, 6-14=-26/593, 8-13=0/3486, 8-14=-3269/50, 9-13=0/595

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=25ft; B=45ft; L=36ft; eave=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) -0-11-0 to 2-8-2, Interior (1) 2-8-2 to 20-3-8, Exterior (2) 20-3-8 to 23-10-10, Interior (1) 23-10-10 to 35-11-0 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) All plates are MT20 plates unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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) 11 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 461 lb uplift at joint 2 and 10 lb uplift at joint 11.
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Value Build Homes - 23-05-09 Camden B
Q2201065	E03	Roof Special	2	1	Job Reference (optional)

Carolina Structural Systems, Star, NC 27356 Run: 8.42 S Feb 11 2021 Print: 8.420 S Feb 10 2021 MiTek Industries, Inc. Wed Jul 06 09:28:29 Page: 1

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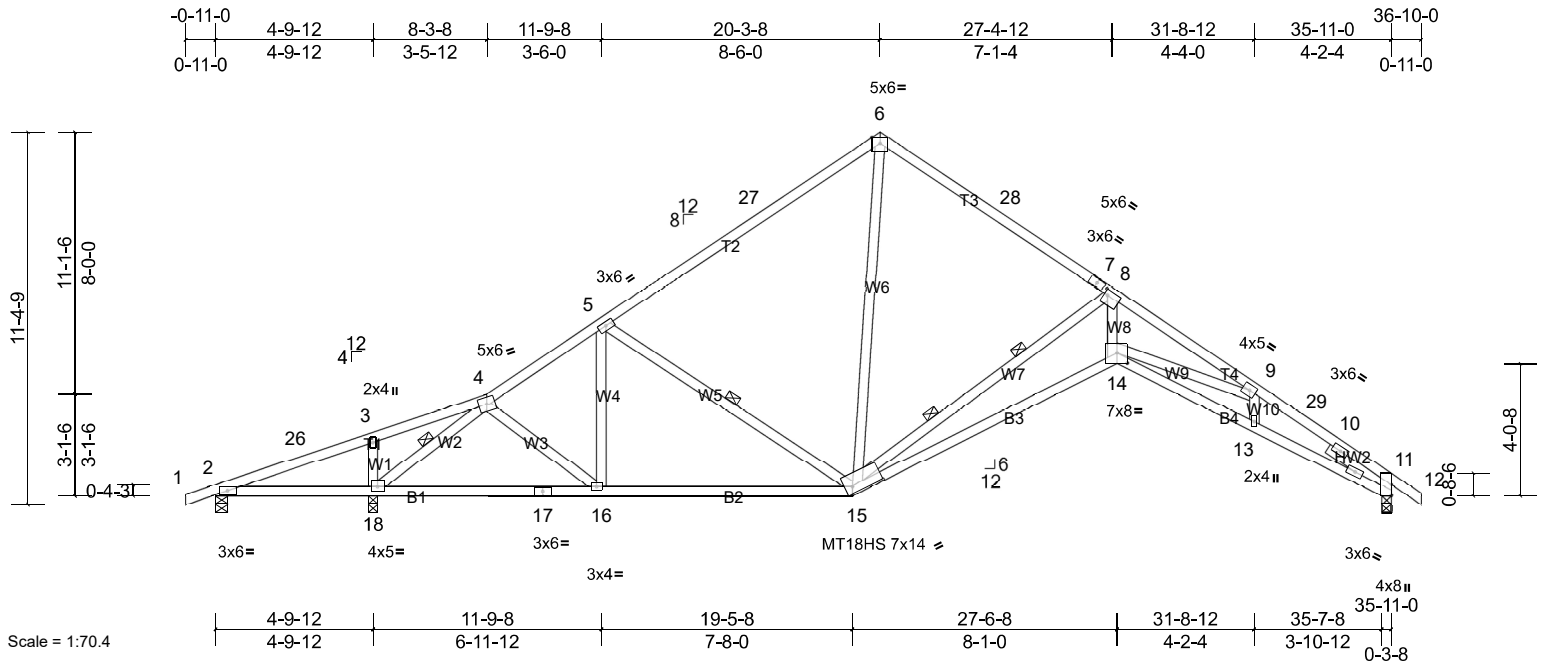


Scale = 1:70.4

Plate Offsets (X, Y): [8:0-1-4,0-2-0], [14:0-3-12,0-3-12], [15:0-11-4,0-2-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.98	Vert(LL)	-0.37	13-14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.75	Vert(CT)	-0.79	14-15	>470	240	MT18HS	244/190
BCLL	0.0*	Rep Stress Incr	YES	WB	0.93	Horz(CT)	0.55	11	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-AS		Wind(LL)	0.20	14-15	>999	240	Weight: 202 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 SP No.2 *Except* B3:2x4 SP No.1, B4:2x4 SP DSS

WEBS 2x4 SP No.3 *Except* W8:2x4 SP No.2, W7:2x4 SP No.1

SLIDER Right 2x4 SP No.2 -- 2-4-0

BRACING

TOP CHORD Structural wood sheathing directly applied.

BOT CHORD Rigid ceiling directly applied.

WEBS 1 Row at midpt 5-15, 4-18

WEBS 2 Rows at 1/3 pts 8-15

REACTIONS (lb/size) 2=-481/0-4-8, (min. 0-1-8), 11=1186/0-3-8, (min. 0-1-8), 18=2278/0-3-8, (min. 0-2-11)

Max Horiz 2=196 (LC 11)

Max Uplift 2=-481 (LC 1), 11=-35 (LC 12)

Max Grav 2=-47 (LC 12), 11=1186 (LC 1), 18=2278 (LC 1)

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

TOP CHORD 2-26=-19/2031, 3-26=0/2089, 3-4=0/2035, 4-5=-1019/105, 5-27=-1075/134, 6-27=-912/161, 6-28=-875/169, 7-28=-976/144, 7-8=-992/122, 8-9=-4306/19, 9-29=-3690/82, 10-29=-3760/72, 10-11=-1202/38

BOT CHORD 2-18=-1927/36, 17-18=-42/362, 16-17=-42/362, 15-16=0/868, 14-15=0/3733, 13-14=-8/3373, 11-13=-15/3278

WEBS 4-16=0/796, 5-16=-367/74, 6-15=-28/588, 3-18=-360/84, 4-18=-2773/48, 8-14=0/3463, 9-14=0/601, 8-15=-3247/20

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=25ft; B=45ft; L=36ft; eave=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) -0-11-0 to 2-8-2, Interior (1) 2-8-2 to 20-3-8, Exterior (2) 20-3-8 to 23-10-10, Interior (1) 23-10-10 to 36-10-0 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) All plates are MT20 plates unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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) 11 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 481 lb uplift at joint 2 and 35 lb uplift at joint 11.
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Value Build Homes - 23-05-09 Camden B
Q2201065	E04	Roof Special Girder	1	2	Job Reference (optional)

Carolina Structural Systems, Star, NC 27356 Run: 8.42 S Feb 11 2021 Print: 8.420 S Feb 10 2021 MiTek Industries, Inc. Wed Jul 06 09:28:29 Page: 1

ID:HB4A6BQsCdMatXIojK8rk2z1EcR-H7BuHRmADjZ8nXV3TtQRgENjUg2qFt1bNTqAq8z_rE0

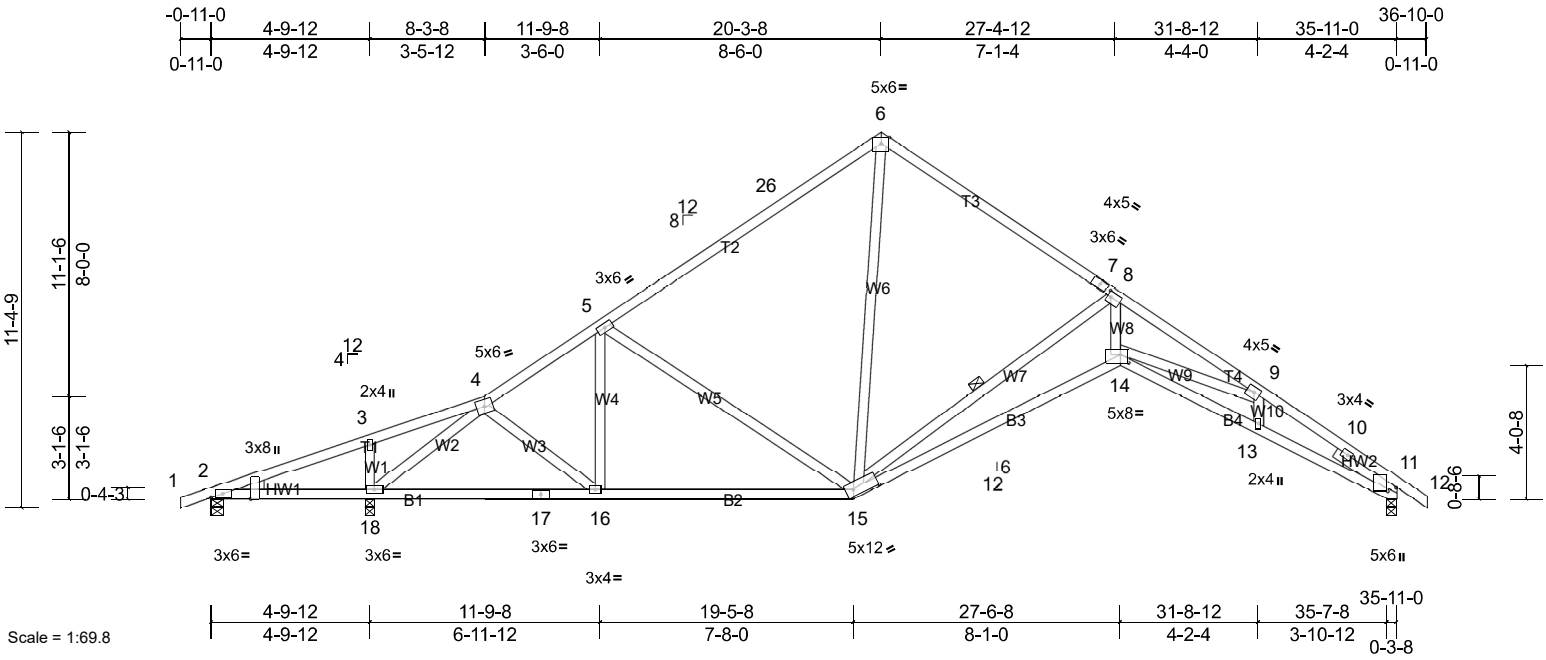


Plate Offsets (X, Y): [2:0-1-8,Edge], [2:0-0-8,Edge], [8:0-1-0,0-2-0], [11:0-1-5,0-3-7], [14:0-3-0,0-3-0], [15:0-9-4,0-2-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.83	Vert(LL)	-0.24	14-15	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.80	Vert(CT)	-0.54	14-15	>686	240		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.86	Horz(CT)	0.38	11	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS		Wind(LL)	0.11	14-15	>999	240	Weight: 405 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2 *Except* T2:2x4 SP No.1
BOT CHORD 2x4 SP No.2 *Except* B4:2x4 SP No.1
WEBS 2x4 SP No.3
WEDGE Left: 2x4 SP No.2
SLIDER Right 2x4 SP No.2 -- 2-3-0

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-8-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 18-21.
WEBS 1 Row at midpt 8-15

REACTIONS (lb/size) 2=-822/0-4-8, (min. 0-1-8), 11=1356/0-3-8, (min. 0-1-8), 18=3746/0-3-8, (min. 0-2-3)
Max Horiz 2=196 (LC 7)
Max Uplift 2=-822 (LC 1)
Max Grav 2=-224 (LC 8), 11=1356 (LC 1), 18=3746 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=0/3065, 3-4=0/3050, 4-5=-1840/0, 5-26=-1591/0, 6-26=-1170/0, 6-7=-1271/0, 7-8=-1286/0, 8-9=-5195/0, 9-10=-4391/0, 10-11=-1642/0
BOT CHORD 2-18=-2841/0, 17-18=0/929, 16-17=0/929, 15-16=0/1520, 14-15=0/4513, 13-14=0/3938, 11-13=0/3822
WEBS 4-16=0/985, 5-16=-485/42, 5-15=-742/0, 6-15=0/790, 9-14=0/851, 3-18=-665/0, 4-18=-4621/0, 8-14=0/4134, 8-15=-3812/0

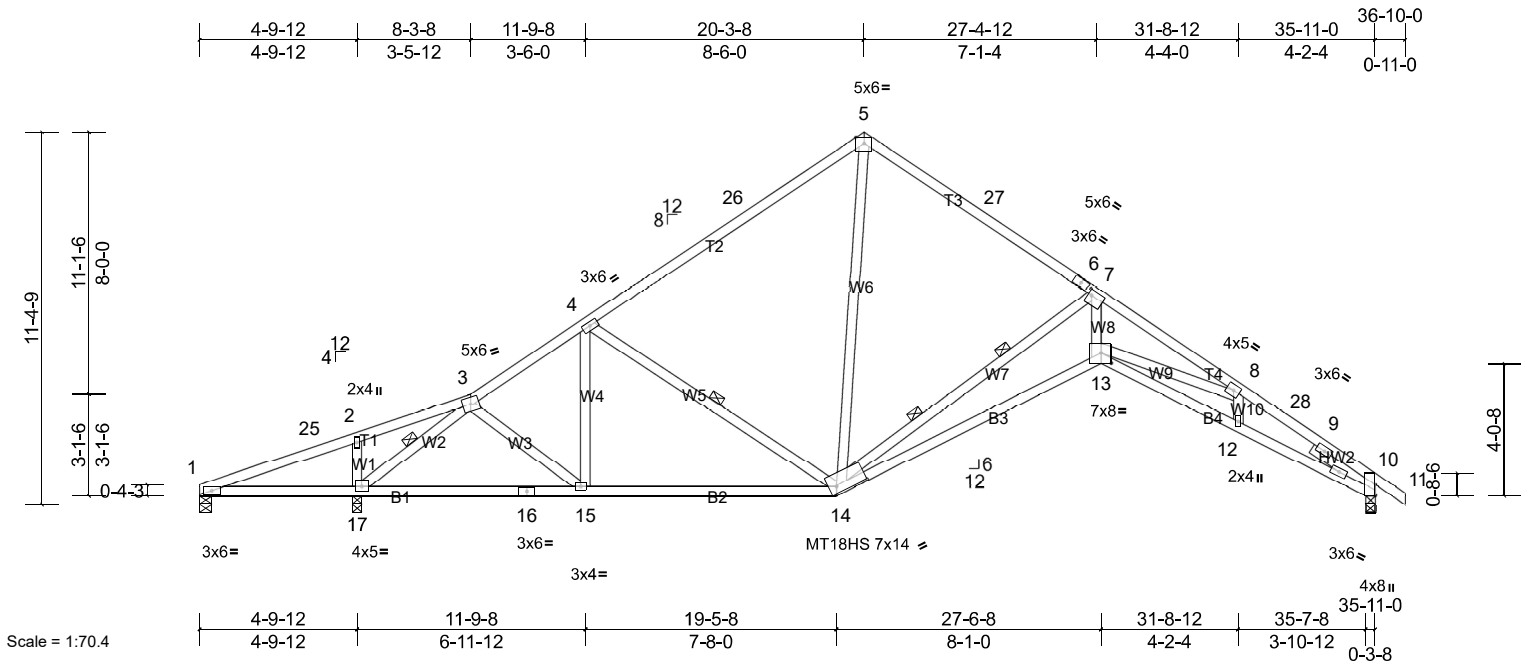
NOTES

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: 2x4 - 1 row 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=25ft; B=45ft; L=36ft; eave=5ft; 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 10.0 psf bottom chord live load nonconcurrent with any 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.
7) Bearing at joint(s) 11 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 822 lb uplift at joint 2.
9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 1-3=-60, 6-26=-60, 6-12=-60, 15-19=-20, 14-15=-20, 14-22=-20
Trapezoidal Loads (lb/ft)
Vert: 3=-209-to-4=-184, 4=-184-to-5=-159, 5=-159-to-26=-120

Job	Truss	Truss Type	Qty	Ply	Value Build Homes - 23-05-09 Camden B
Q2201065	E05	Roof Special	1	1	Job Reference (optional)



Scale = 1:70.4

Plate Offsets (X, Y): [1:0-1-8,Edge], [7:0-1-4,0-2-0], [13:0-3-12,0-3-12], [14:0-11-4,0-2-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.98	Vert(LL)	-0.37	12-13	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.75	Vert(CT)	-0.79	13-14	>470	240	MT18HS	244/190
BCLL	0.0*	Rep Stress Incr	YES	WB	0.93	Horz(CT)	0.55	10	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-AS		Wind(LL)	0.20	12-13	>999	240	Weight: 200 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except* B3:2x4 SP No.1, B4:2x4 SP DSS
WEBS 2x4 SP No.3 *Except* W8:2x4 SP No.2, W7:2x4 SP No.1
SLIDER Right 2x4 SP No.2 -- 2-4-0

BRACING
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-14, 3-17
WEBS 2 Rows at 1/3 pts 7-14

REACTIONS (lb/size) 1=-542/0-4-8, (min. 0-1-8), 10=1186/0-3-8, (min. 0-1-8), 17=2284/0-3-8, (min. 0-2-11)
Max Horiz 1=192 (LC 11)
Max Uplift 1=-542 (LC 1), 10=-35 (LC 12)
Max Grav 1=-21 (LC 12), 10=1186 (LC 1), 17=2284 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-25=-4/2028, 2-25=0/2087, 2-3=0/2031, 3-4=-1018/104, 4-26=-1075/134, 5-26=-912/161, 5-27=-875/169, 6-27=-976/144, 6-7=-992/122, 7-8=-4306/19, 8-28=-3690/82, 9-28=-3760/71, 9-10=-1202/38
BOT CHORD 1-17=-1924/32, 16-17=-42/362, 15-16=-42/362, 14-15=0/867, 13-14=0/3733, 12-13=-8/3373, 10-12=-15/3278
WEBS 3-15=0/796, 4-15=-367/75, 5-14=-28/588, 2-17=-365/97, 3-17=-2769/41, 7-13=0/3463, 8-13=0/600, 7-14=-3247/19

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=25ft; B=45ft; L=36ft; eave=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 0-0-0 to 3-7-2, Interior (1) 3-7-2 to 20-3-8, Exterior (2) 20-3-8 to 23-10-10, Interior (1) 23-10-10 to 36-10-0 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) All plates are MT20 plates unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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 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 542 lb uplift at joint 1 and 35 lb uplift at joint 10.
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Value Build Homes - 23-05-09 Camden B
Q2201065	G01	Roof Special	4	1	Job Reference (optional)

Carolina Structural Systems, Star, NC 27356 Run: 8.42 S Feb 11 2021 Print: 8.420 S Feb 10 2021 MiTek Industries, Inc. Wed Jul 06 09:28:30 Page: 1

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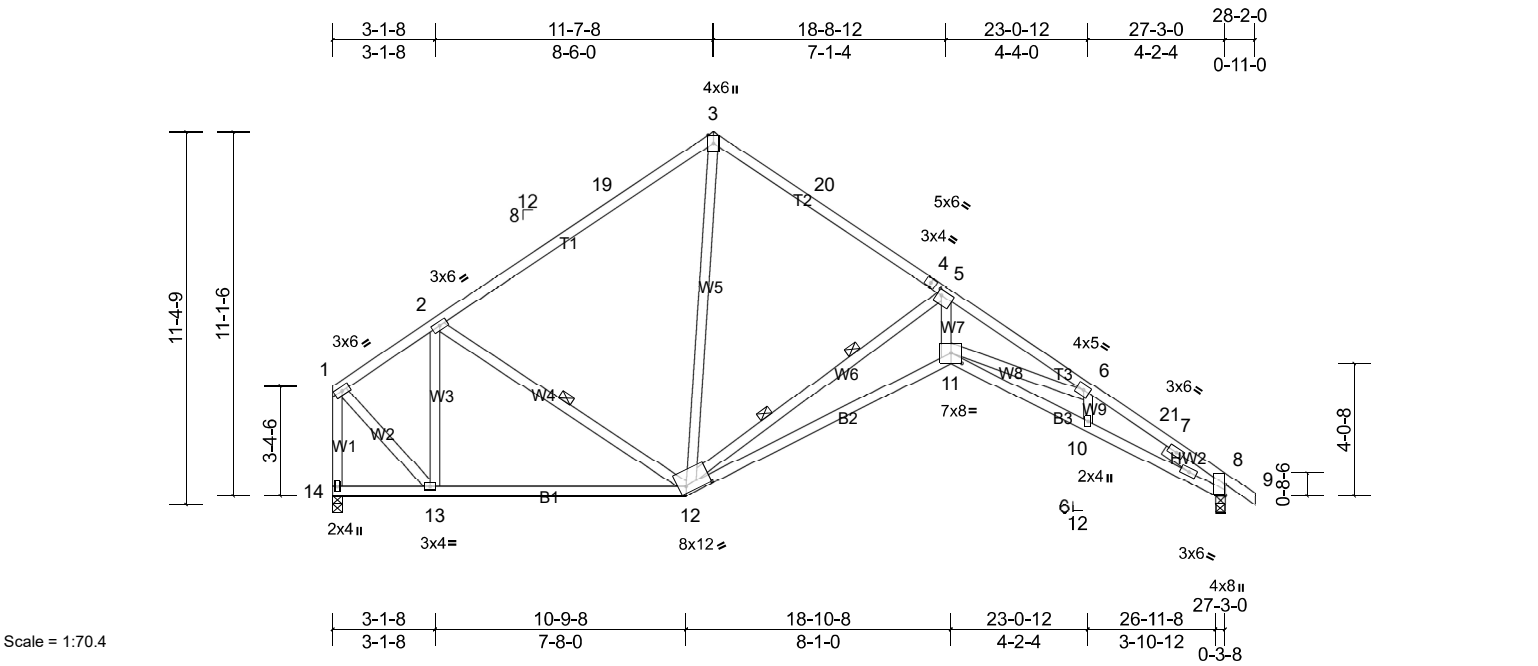

Scale = 1:70.4

Plate Offsets (X, Y): [5:0-1-8,0-2-0], [11:0-4-0,0-3-12], [12:0-9-4,0-2-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.94	Vert(LL)	-0.33	11-12	>982	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.71	Vert(CT)	-0.70	11-12	>466	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.88	Horz(CT)	0.53	8	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-AS		Wind(LL)	0.17	10-11	>999	240	Weight: 169 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 SP No.2 *Except* B2:2x4 SP No.1, B3:2x4 SP DSS

WEBS 2x4 SP No.3 *Except* W1,W7:2x4 SP No.2, W6:2x4 SP No.1

SLIDER Right 2x4 SP No.2 -- 2-3-0

BRACING

TOP CHORD Structural wood sheathing directly applied, except end verticals.

BOT CHORD Rigid ceiling directly applied.

WEBS 1 Row at midpt 2-12

WEBS 2 Rows at 1/3 pts 5-12

REACTIONS (lb/size) 8=1140/0-3-8, (min. 0-1-8), 14=1083/0-3-8, (min. 0-1-8)

Max Horiz 14=-230 (LC 10)

Max Uplift 8=-30 (LC 12), 14=-8 (LC 12)

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

TOP CHORD 1-2=-749/75, 2-19=-986/115, 3-19=-803/141, 3-20=-774/156, 4-20=-896/132, 4-5=-911/109, 5-6=-4066/0, 6-21=-3562/50, 7-21=-3578/37, 7-8=-1132/27, 1-14=-1077/55

BOT CHORD 12-13=0/696, 11-12=0/3524, 10-11=0/3210, 8-10=0/3118

WEBS 2-13=-549/128, 3-12=-17/523, 1-13=-62/931, 5-11=0/3284, 6-11=0/544, 5-12=-3097/0

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=25ft; B=45ft; L=27ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 4-1-12 to 7-1-8, Interior (1) 7-1-8 to 15-7-8, Exterior (2) 15-7-8 to 18-7-8, Interior (1) 18-7-8 to 32-2-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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) 8 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 8 lb uplift at joint 14 and 30 lb uplift at joint 8.
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Value Build Homes - 23-05-09 Camden B
Q2201065	G02	Roof Special	1	1	Job Reference (optional)

Carolina Structural Systems, Star, NC 27356 Run: 8.42 S Feb 10 2021 Print: 8.420 S Feb 10 2021 MiTek Industries, Inc. Wed Jul 06 09:28:30 Page: 1

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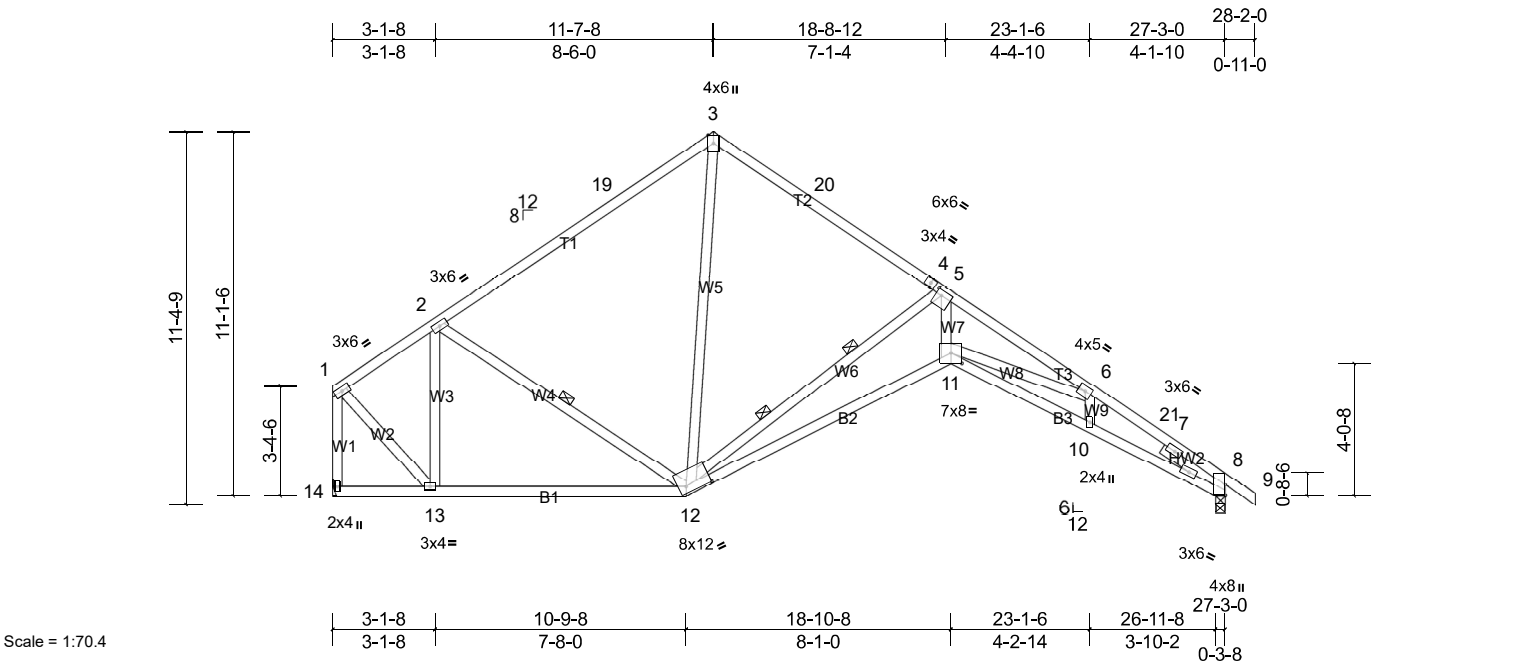

Scale = 1:70.4

Plate Offsets (X, Y): [5:0-2-0,0-2-0], [11:0-4-0,0-3-12], [12:0-9-4,0-2-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.91	Vert(LL)	-0.34	11	>961	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.72	Vert(CT)	-0.71	11-12	>455	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.99	Horz(CT)	0.54	8	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-AS		Wind(LL)	0.18	11	>999	240	Weight: 169 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 SP No.2 *Except* B2:2x4 SP No.1, B3:2x4 SP DSS

WEBS 2x4 SP No.3 *Except* W1,W7,W6:2x4 SP No.2

SLIDER Right 2x4 SP No.2 -- 2-3-14

BRACING

TOP CHORD Structural wood sheathing directly applied, except end verticals.

BOT CHORD Rigid ceiling directly applied.

WEBS 1 Row at midpt 2-12

WEBS 2 Rows at 1/3 pts 5-12

REACTIONS (lb/size) 8=1140/0-3-8, (min. 0-1-8), 14=1083/ Mechanical, (min. 0-1-8)

Max Horiz 14=-230 (LC 10)

Max Uplift 8=-30 (LC 12), 14=-8 (LC 12)

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

TOP CHORD 1-2=-749/75, 2-19=-986/115, 3-19=-803/141, 3-20=-774/156, 4-20=-895/132, 4-5=-911/109, 5-6=-4063/0, 6-21=-3562/50, 7-21=-3576/37, 7-8=-1150/30, 1-14=-1077/55

BOT CHORD 12-13=0/695, 11-12=0/3519, 10-11=0/3207, 8-10=0/3116

WEBS 2-13=-550/128, 3-12=-17/522, 1-13=-62/930, 5-11=0/3280, 6-11=0/542, 5-12=-3091/0

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=25ft; B=45ft; L=27ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 4-1-12 to 7-1-8, Interior (1) 7-1-8 to 15-7-8, Exterior (2) 15-7-8 to 18-7-8, Interior (1) 18-7-8 to 32-2-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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) Refer to girder(s) for truss to truss connections.
6) Bearing at joint(s) 8 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 8 lb uplift at joint 14 and 30 lb uplift at joint 8.
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Value Build Homes - 23-05-09 Camden B
Q2201065	G03	Common	1	1	Job Reference (optional)

Carolina Structural Systems, Star, NC 27356 Run: 8.42 S Feb 10 2021 Print: 8.420 S Feb 10 2021 MiTek Industries, Inc. Wed Jul 06 09:28:30 Page: 1

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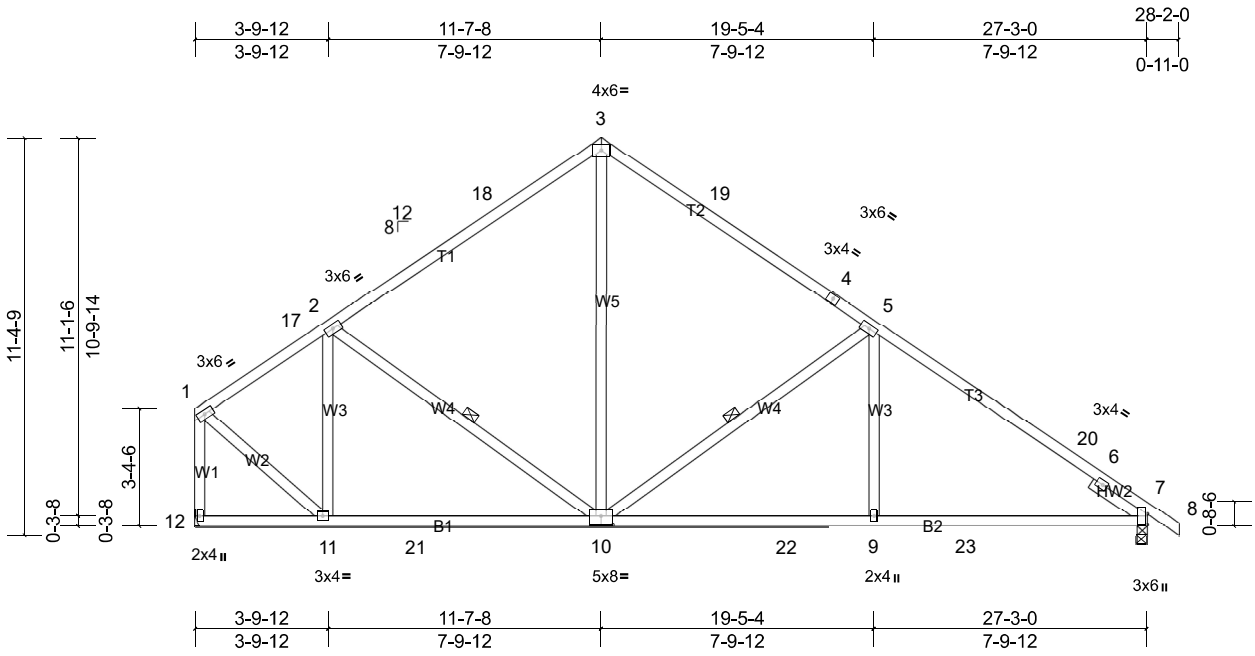

Scale = 1:66

Plate Offsets (X, Y): [7:0-3-10,0-0-3], [10:0-4-0,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.58	Vert(LL)	-0.08	10-11	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.59	Vert(CT)	-0.16	10-11	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.37	Horz(CT)	0.03	7	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-AS		Wind(LL)	0.04	9-15	>999	240	Weight: 164 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except* W1:2x4 SP No.2
SLIDER Right 2x4 SP No.2 -- 1-10-8

BRACING

TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 5-10, 2-10

REACTIONS (lb/size) 7=1140/0-3-8, (min. 0-1-8), 12=1083/ Mechanical, (min. 0-1-8)
Max Horiz 12=-230 (LC 10)
Max Uplift 7=-30 (LC 12), 12=-8 (LC 12)
Max Grav 7=1155 (LC 21), 12=1083 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-17=-827/78, 2-17=-745/83, 2-18=-966/118, 3-18=-814/142, 3-19=-812/155, 4-19=-838/130, 4-5=-970/108, 5-20=-1344/97, 6-20=-1504/59, 6-7=-626/0, 1-12=-1065/64
BOT CHORD 11-21=0/800, 10-21=0/800, 10-22=0/1177, 9-22=0/1177, 9-23=0/1177, 7-23=0/1177
WEBS 3-10=-21/548, 5-10=-687/118, 5-9=0/333, 1-11=-44/890, 2-11=-447/110

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=25ft; B=45ft; L=27ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 4-1-12 to 7-1-12, Interior (1) 7-1-12 to 15-7-8, Exterior (2) 15-7-8 to 18-7-8, Interior (1) 18-7-8 to 32-2-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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 8 lb uplift at joint 12 and 30 lb uplift at joint 7.
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Value Build Homes - 23-05-09 Camden B
Q2201065	G04	Common	5	1	Job Reference (optional)

Carolina Structural Systems, Star, NC 27356 Run: 8.42 S Feb 10 2021 Print: 8.420 S Feb 10 2021 MiTek Industries, Inc. Wed Jul 06 09:28:30 Page: 1

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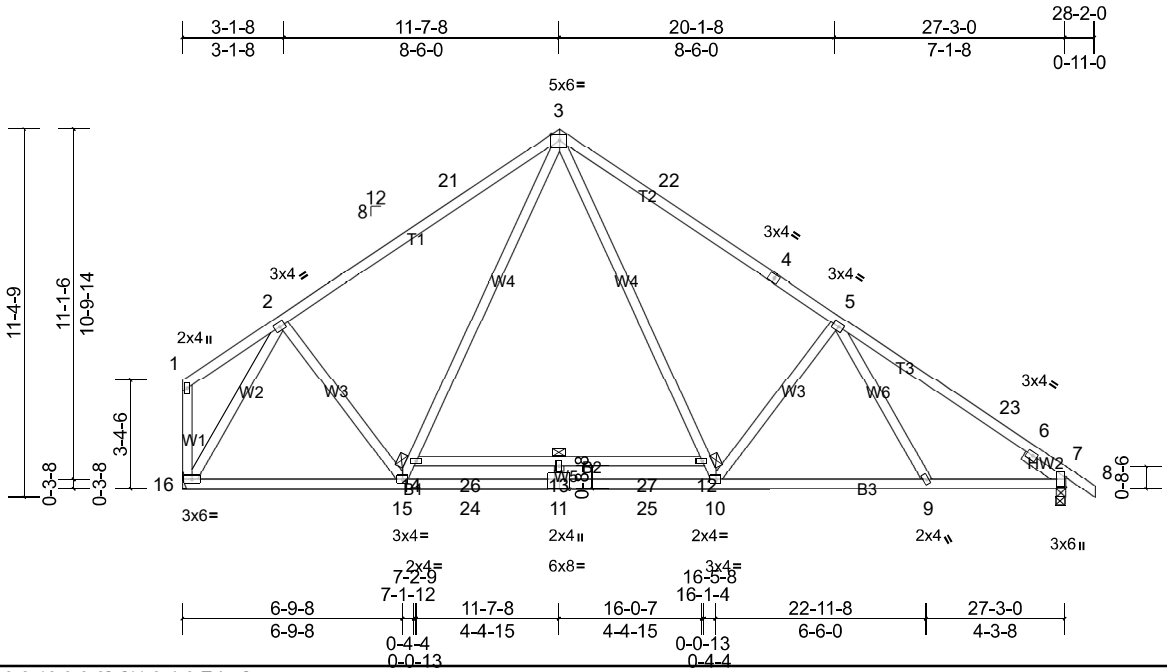

Scale = 1:71.2

Plate Offsets (X, Y): [7:0-3-10,0-0-3], [11:0-4-0,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.79	Vert(LL)	-0.46	13	>714	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.98	Vert(CT)	-0.73	13	>445	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.94	Horz(CT)	0.04	7	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-AS		Wind(LL)	0.03	12	>999	240	Weight: 181 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.1 *Except* B2:2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Right 2x4 SP No.2 -- 1-6-0

BRACING

TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied. Except: 6-0-0 oc bracing: 12-14

REACTIONS (lb/size) 7=1218/0-3-8, (min. 0-1-8), 16=1189/ Mechanical, (min. 0-1-8)
Max Horiz 16=-230 (LC 10)
Max Grav 7=1247 (LC 18), 16=1251 (LC 19)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-21=-1222/59, 3-21=-1067/86, 3-22=-1358/90, 4-22=-1389/62, 4-5=-1513/38, 5-23=-1523/16, 6-23=-1672/0, 6-7=-666/0
BOT CHORD 15-16=0/847, 15-24=0/954, 11-24=0/954, 11-25=0/954, 10-25=0/954, 9-10=0/1330, 7-9=0/1315
WEBS 2-16=-1466/48, 3-14=0/295, 2-15=0/399, 3-12=0/870, 10-12=-5/729, 5-10=-427/170

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=25ft; B=45ft; L=27ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 4-1-12 to 7-0-7, Interior (1) 7-0-7 to 15-7-8, Exterior (2) 15-7-8 to 18-7-8, Interior (1) 18-7-8 to 32-2-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Value Build Homes - 23-05-09 Camden B
Q2201065	G05	Common Supported Gable	1	1	Job Reference (optional)

Carolina Structural Systems, Star, NC 27356 Run: 8.42 S Feb 10 2021 Print: 8.420 S Feb 10 2021 MiTek Industries, Inc. Wed Jul 06 09:28:30 Page: 1

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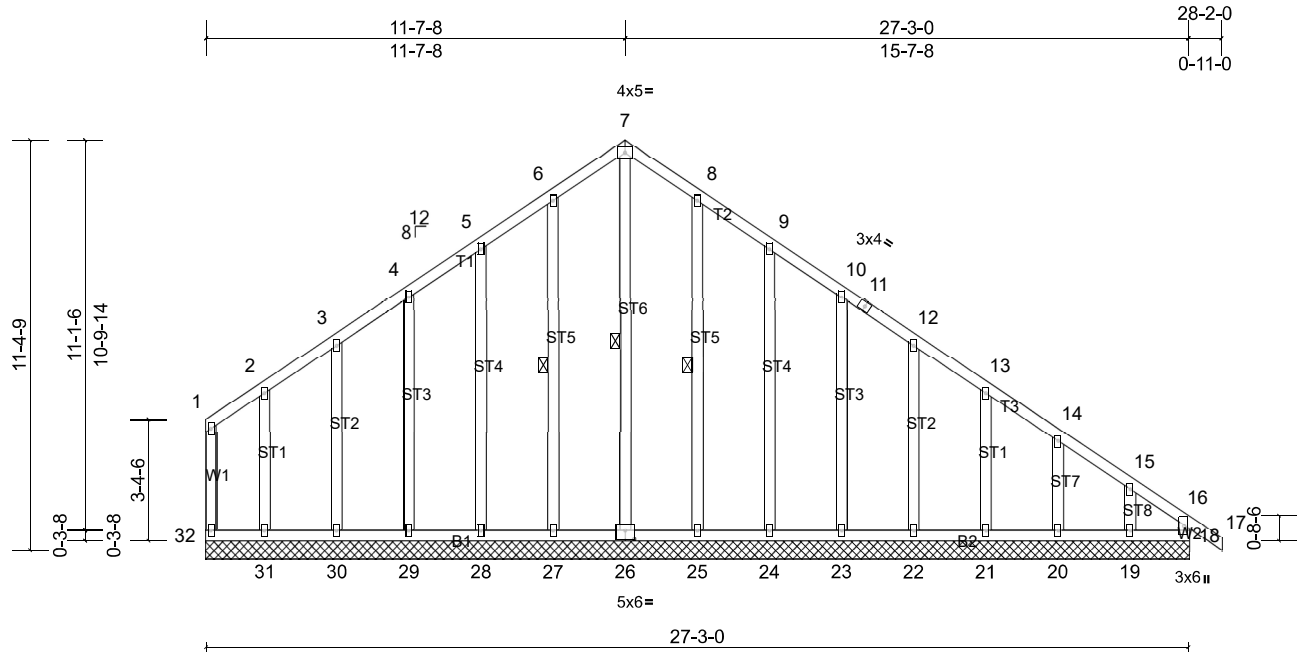

Scale = 1:63.9

27-3-0

Plate Offsets (X, Y): [26:0-3-0,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.13	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	0.16	Horz(CT)	0.01	18	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-AS							Weight: 215 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

BRACING

TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 7-26, 6-27, 8-25

REACTIONS All bearings 27-3-0.

(lb) - Max Horiz 32=-234 (LC 10)
Max Uplift All uplift 100 (lb) or less at joint(s) 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32 except 18=-101 (LC 11)
Max Grav All reactions 250 (lb) or less at joint (s) 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32

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

TOP CHORD 5-6=-230/266, 6-7=-262/305, 7-8=-262/305, 8-9=-229/266
WEBS 7-26=-273/172

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=25ft; B=45ft; L=27ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) 4-1-12 to 7-1-12, Exterior (2) 7-1-12 to 15-7-8, Corner (3) 15-7-8 to 18-7-8, Exterior (2) 18-7-8 to 32-2-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) 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 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 32, 26, 27, 28, 29, 30, 31, 25, 24, 23, 22, 21, 20, 19 except (jt=lb) 18=100.
11) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
12) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Value Build Homes - 23-05-09 Camden B
Q2201065	H01	Common Structural Gable	1	1	Job Reference (optional)

Carolina Structural Systems, Star, NC 27356 Run: 8.42 S Feb 11 2021 Print: 8.420 S Feb 10 2021 MiTek Industries, Inc. Wed Jul 06 09:28:30 Page: 1

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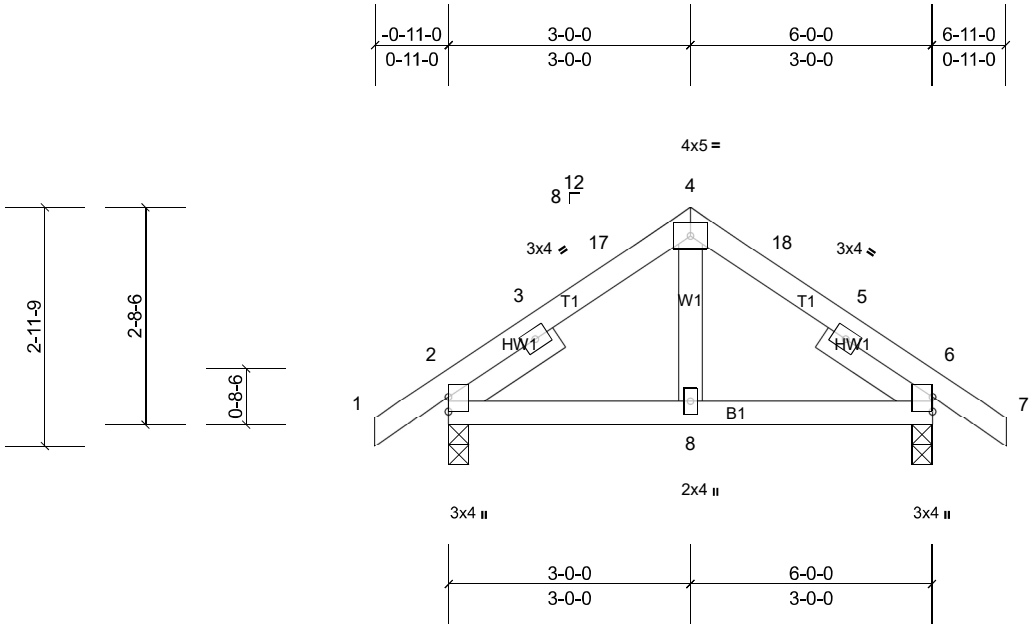


Scale = 1:28.6

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.08	Vert(LL)	0.00	8-11	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.08	Vert(CT)	0.00	8-11	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-AS		Wind(LL)	0.00	8-15	>999	240	Weight: 31 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.2 -- 1-7-0, Right 2x4 SP No.2 -- 1-7-0

BRACING

TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS (lb/size) 2=295/0-3-0, (min. 0-1-8), 6=295/0-3-0, (min. 0-1-8)
Max Horiz 2=44 (LC 11)
Max Uplift 2=-25 (LC 12), 6=-25 (LC 12)

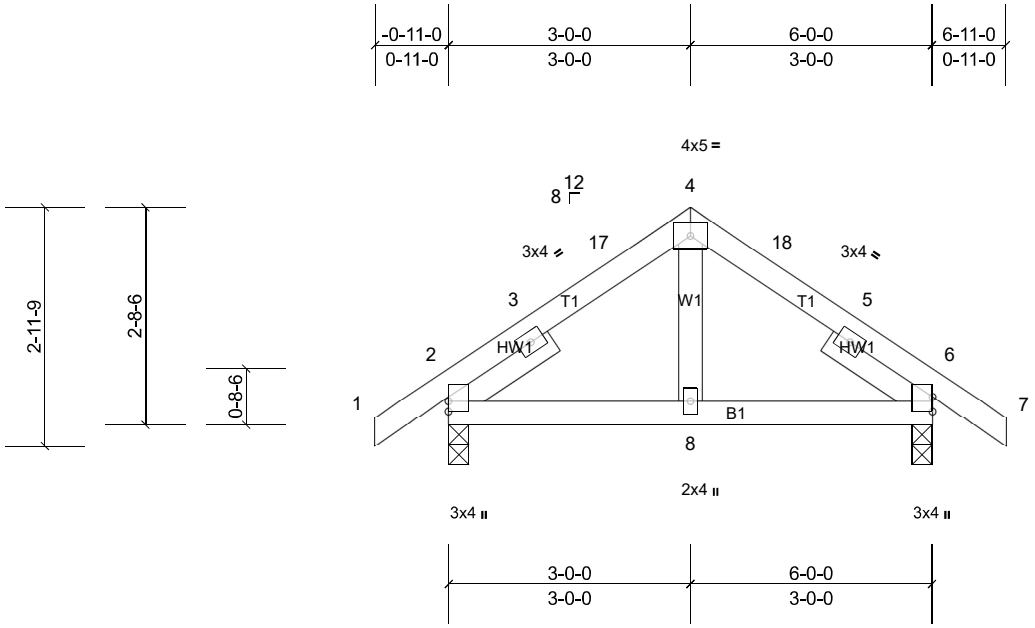
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

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=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) -0-11-0 to 2-1-0, Interior (1) 2-1-0 to 3-0-0, Exterior (2) 3-0-0 to 6-0-0, Interior (1) 6-0-0 to 6-11-0 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) Gable studs spaced at 2-0-0 oc.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any 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.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 25 lb uplift at joint 2 and 25 lb uplift at joint 6.
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Value Build Homes - 23-05-09 Camden B
Q2201065	H02	Common	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	1.00	TC	0.08	Vert(LL)	0.00	8-11	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.08	Vert(CT)	0.00	8-11	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-AS		Wind(LL)	0.00	8-15	>999	240	Weight: 31 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS (lb/size) 2=295/0-3-0, (min. 0-1-8), 6=295/0-3-0, (min. 0-1-8)
Max Horiz 2=-44 (LC 10)
Max Uplift 2=-25 (LC 12), 6=-25 (LC 12)

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=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) -0-11-0 to 2-1-0, Interior (1) 2-1-0 to 3-0-0, Exterior (2) 3-0-0 to 6-0-0, Interior (1) 6-0-0 to 6-11-0 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 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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 25 lb uplift at joint 2 and 25 lb uplift at joint 6.
6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Value Build Homes - 23-05-09 Camden B
Q2201065	H03	Common	1	1	Job Reference (optional)

Carolina Structural Systems, Star, NC 27356 Run: 8.42 S Feb 11 2021 Print: 8.420 S Feb 10 2021 MiTek Industries, Inc. Wed Jul 06 09:28:31 Page: 1

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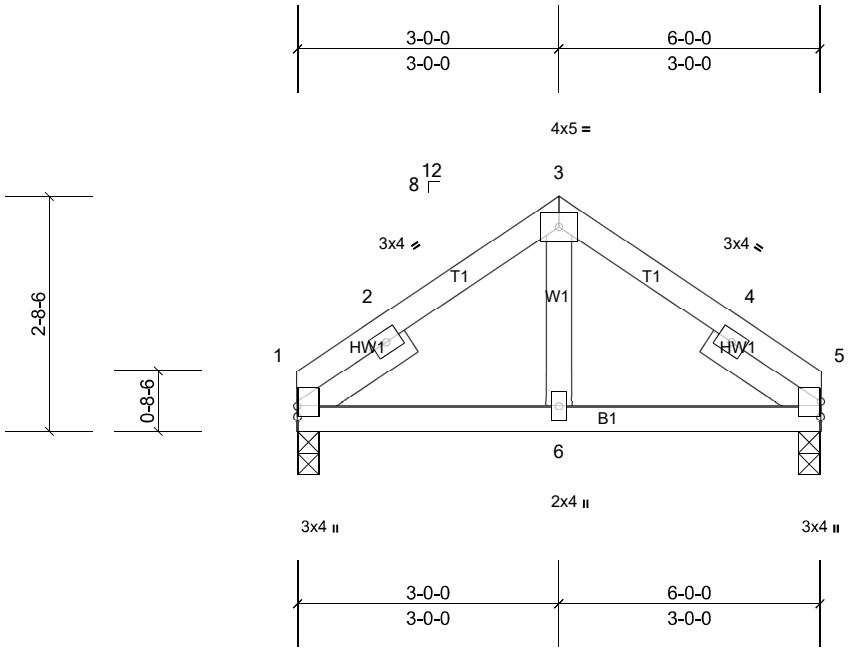

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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.09	Vert(LL)	0.00	6-9	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.10	Vert(CT)	0.00	6-9	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	1	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-AS		Wind(LL)	0.00	6-9	>999	240	Weight: 28 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS (lb/size) 1=240/0-3-0, (min. 0-1-8), 5=240/0-3-0, (min. 0-1-8)
Max Horiz 1=34 (LC 11)
Max Uplift 1=-2 (LC 12), 5=-2 (LC 12)

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=25ft; B=45ft; L=24ft; 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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 2 lb uplift at joint 1 and 2 lb uplift at joint 5.
6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Value Build Homes - 23-05-09 Camden B
Q2201065	V01	Valley	1	1	Job Reference (optional)

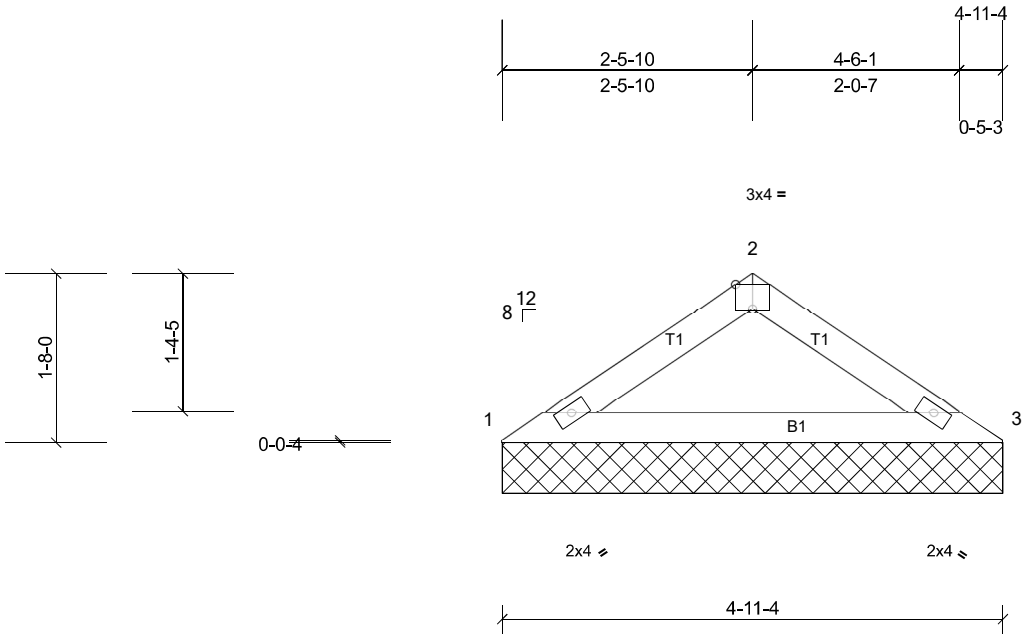

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Plate Offsets (X, Y): [2:0-2-0,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.18	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.23	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.01	3	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-AS							Weight: 15 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

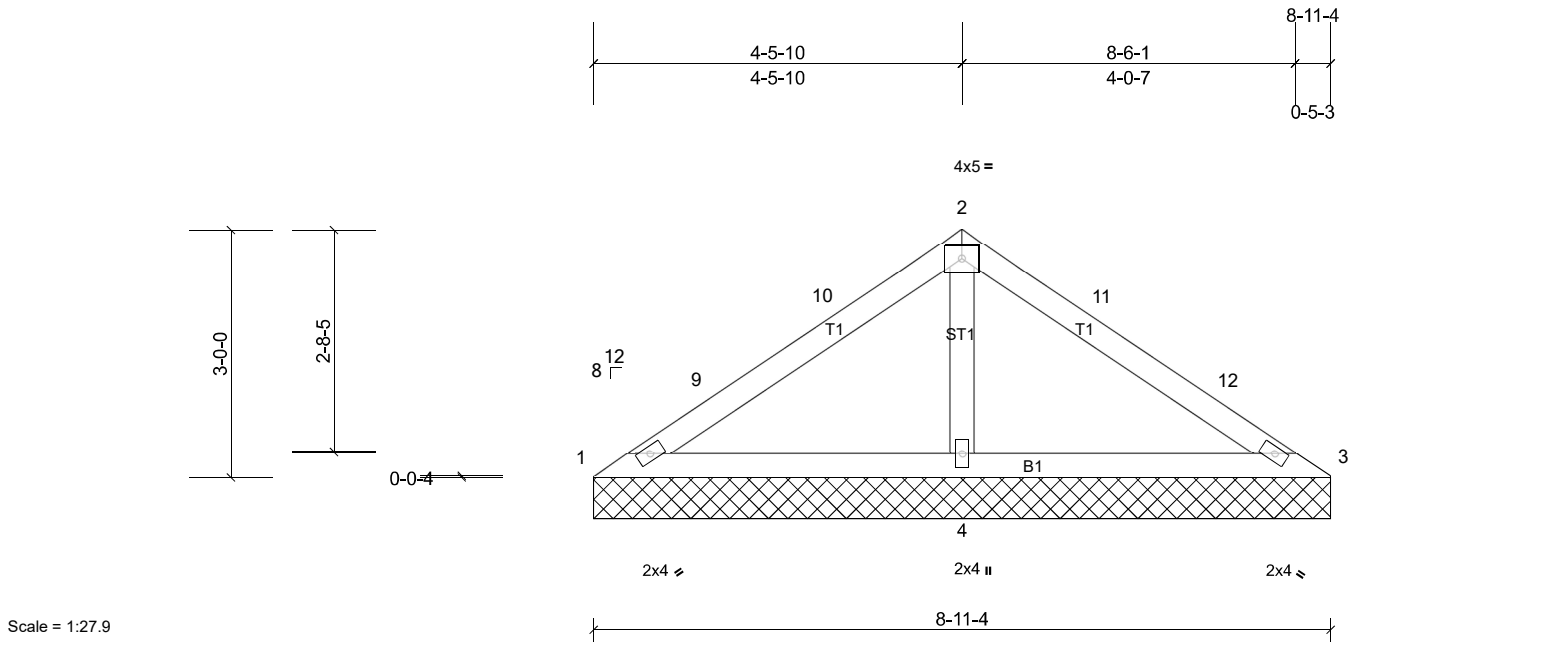
REACTIONS (lb/size) 1=197/4-11-4, (min. 0-1-8),
3=197/4-11-4, (min. 0-1-8)
Max Horiz 1=-25 (LC 10)
Max Uplift 1=-1 (LC 12), 3=-1 (LC 12)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-303/46

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=25ft; B=45ft; L=24ft; 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 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1 lb uplift at joint 1 and 1 lb uplift at joint 3.
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Value Build Homes - 23-05-09 Camden B
Q2201065	V02	Valley	1	1	Job Reference (optional)



Scale = 1:27.9

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.25	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.38	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.11	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-AS							Weight: 31 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS (lb/size) 1=29/8-11-4, (min. 0-1-8), 3=29/8-11-4, (min. 0-1-8), 4=657/8-11-4, (min. 0-1-8)
Max Horiz 1=-48 (LC 10)
Max Uplift 1=-22 (LC 22), 3=-22 (LC 21), 4=-29 (LC 12)
Max Grav 1=67 (LC 21), 3=67 (LC 22), 4=657 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 9-10=-52/261, 2-10=-51/305, 2-11=-51/305, 11-12=-51/261
WEBS 2-4=-491/117

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=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 0-0-6 to 3-0-6, Interior (1) 3-0-6 to 4-6-0, Exterior (2) 4-6-0 to 7-6-0, Interior (1) 7-6-0 to 8-11-10 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) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 22 lb uplift at joint 1, 22 lb uplift at joint 3 and 29 lb uplift at joint 4.
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Value Build Homes - 23-05-09 Camden B
Q2201065	V03	Valley	1	1	Job Reference (optional)

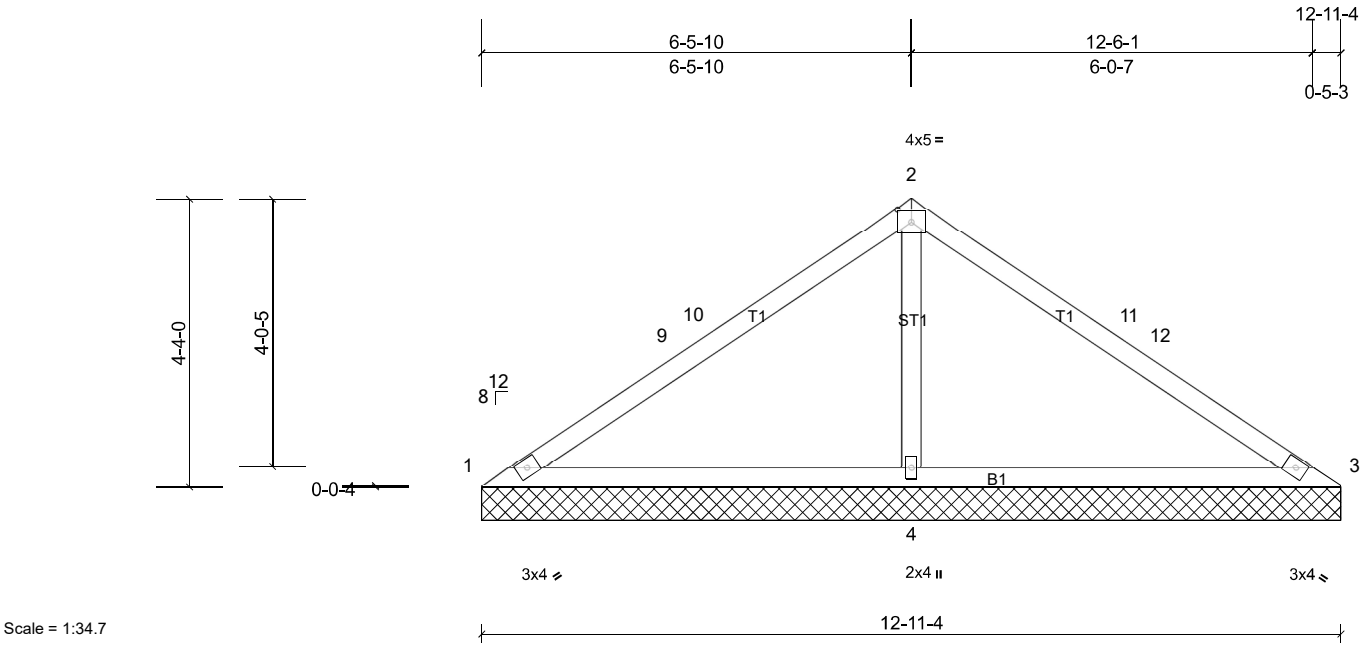


Plate Offsets (X, Y): [2:0-2-8,0-2-4]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.44	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.36	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.28	Horiz(TL)	0.01	3	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-AS							Weight: 46 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.
BOT CHORD Rigid ceiling directly applied.

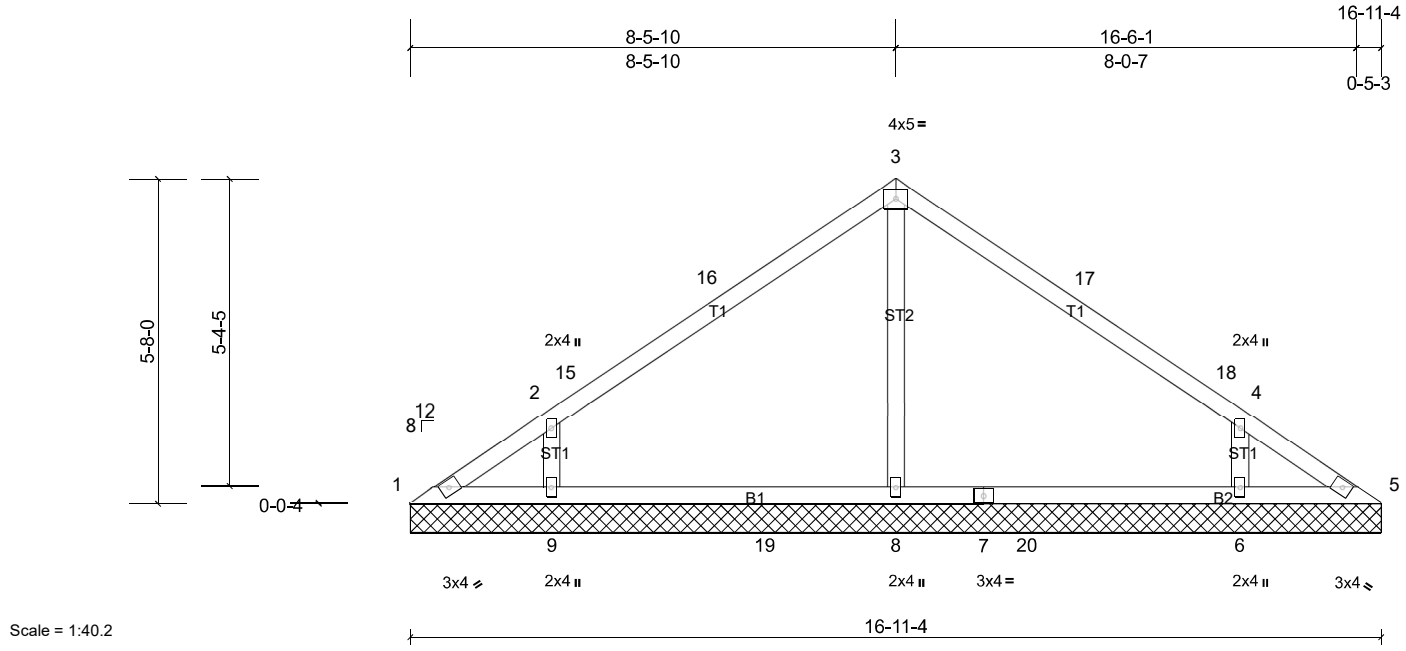
REACTIONS (lb/size) 1=9/12-11-4, (min. 0-1-8), 3=0/12-11-4, (min. 0-1-8), 4=1018/12-11-4, (min. 0-1-8)
Max Horiz 1=71 (LC 11)
Max Uplift 1=-58 (LC 22), 3=-58 (LC 21), 4=-45 (LC 12)
Max Grav 1=71 (LC 21), 3=71 (LC 22), 4=1018 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-9=-78/382, 9-10=-61/392, 2-10=-59/498, 2-11=-59/498, 11-12=-61/392, 3-12=-78/382
BOT CHORD 1-4=-353/114, 3-4=-353/114
WEBS 2-4=-816/163

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=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 0-0-6 to 3-0-6, Interior (1) 3-0-6 to 6-6-0, Exterior (2) 6-6-0 to 9-6-0, Interior (1) 9-6-0 to 12-11-10 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 6-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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 58 lb uplift at joint 1, 58 lb uplift at joint 3 and 45 lb uplift at joint 4.
9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Value Build Homes - 23-05-09 Camden B
Q2201065	V04	Valley	1	1	Job Reference (optional)



Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.40	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.27	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.21	Horiz(TL)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-AS							Weight: 65 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.
BOT CHORD Rigid ceiling directly applied.

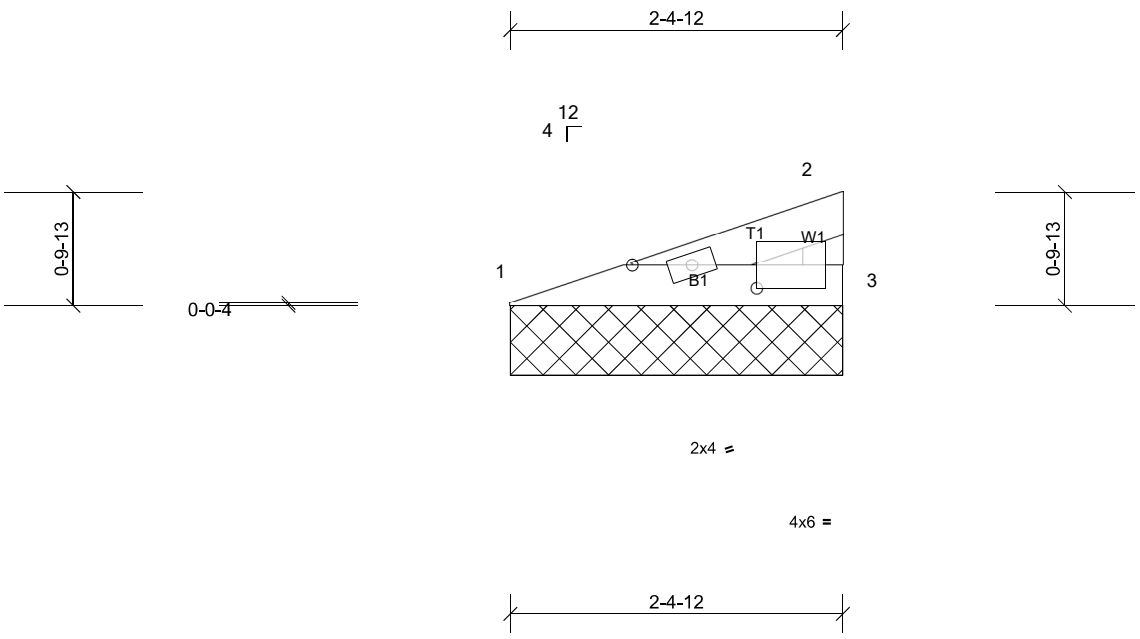
REACTIONS All bearings 16-11-4.
(lb) - Max Horiz 1=-93 (LC 10)
Max Uplift All uplift 100 (lb) or less at joint(s) 1, 5, 6, 9, 14
Max Grav All reactions 250 (lb) or less at joint (s) 1 except 6=441 (LC 22), 8=600 (LC 17), 9=430 (LC 21)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-8=-374/0, 2-9=-358/160, 4-6=-359/156

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=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 0-0-6 to 3-0-6, Interior (1) 3-0-6 to 8-6-0, Exterior (2) 8-6-0 to 11-6-0, Interior (1) 11-6-0 to 16-11-10 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 6-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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, 6.
9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Value Build Homes - 23-05-09 Camden B
Q2201065	V05	Valley	1	1	Job Reference (optional)



Scale = 1:16.6

Plate Offsets (X, Y): [3:0-10-11,0-2-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.04	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.09	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MP							Weight: 6 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-4-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

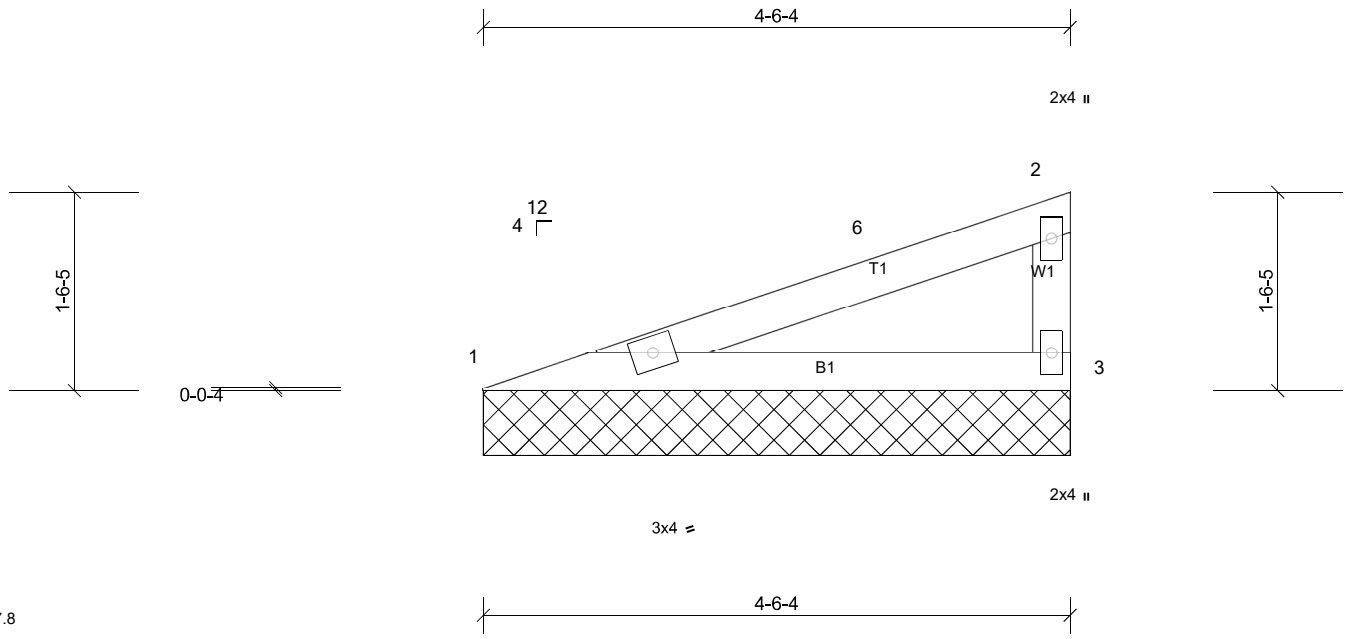
REACTIONS (lb/size) 1=90/2-4-12, (min. 0-1-8), 3=90/2-4-12, (min. 0-1-8)
Max Horiz 1=17 (LC 9)
Max Uplift 3=-1 (LC 12)

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=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Gable requires continuous bottom chord bearing.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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 1 lb uplift at joint 3.
6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Value Build Homes - 23-05-09 Camden B
Q2201065	V06	Valley	1	1	Job Reference (optional)



Scale = 1:17.8

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.22	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.43	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-AS							Weight: 14 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

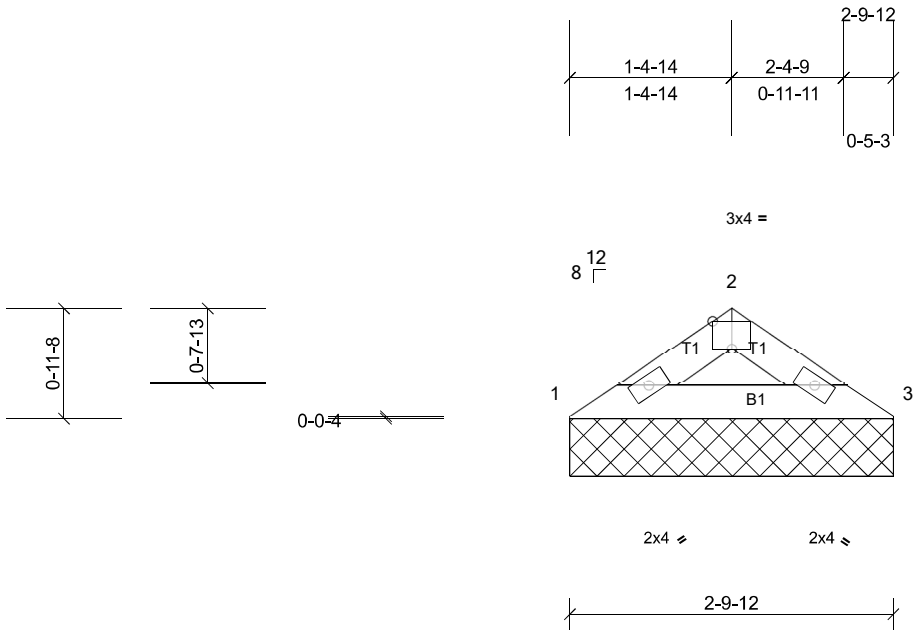
REACTIONS (lb/size) 1=175/4-6-4, (min. 0-1-8), 3=175/4-6-4, (min. 0-1-8)
Max Horiz 1=38 (LC 9)
Max Uplift 3=-2 (LC 12)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-369/101
BOT CHORD 1-3=-150/343

NOTES
1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 0-0-12 to 3-0-12, Interior (1) 3-0-12 to 4-5-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Gable requires continuous bottom chord bearing.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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 2 lb uplift at joint 3.
6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Value Build Homes - 23-05-09 Camden B
Q2201065	V07	Valley	1	1	Job Reference (optional)



Scale = 1:20

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.06	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	0.00	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MP							Weight: 8 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-9-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

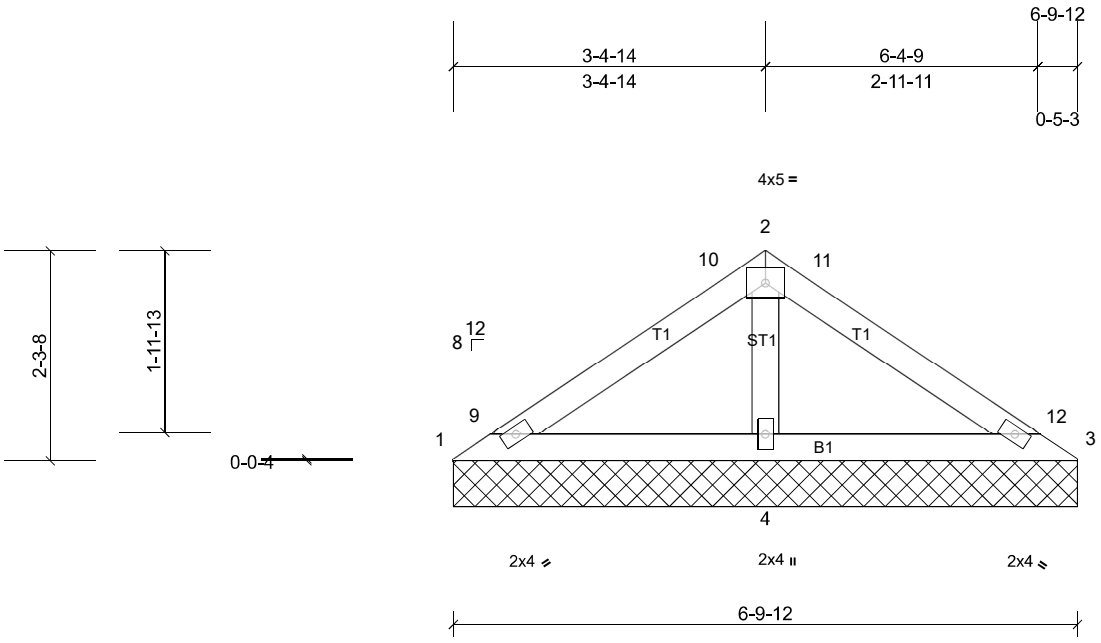
REACTIONS (lb/size) 1=113/2-9-12, (min. 0-1-8), 3=113/2-9-12, (min. 0-1-8)
Max Horiz 1=-13 (LC 10)
Max Uplift 1=-1 (LC 12), 3=-1 (LC 12)

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=25ft; B=45ft; L=24ft; 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 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1 lb uplift at joint 1 and 1 lb uplift at joint 3.
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Value Build Homes - 23-05-09 Camden B
Q2201065	V08	Valley	1	1	Job Reference (optional)



Scale = 1:25.2

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.13	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.23	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.07	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-AS							Weight: 23 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

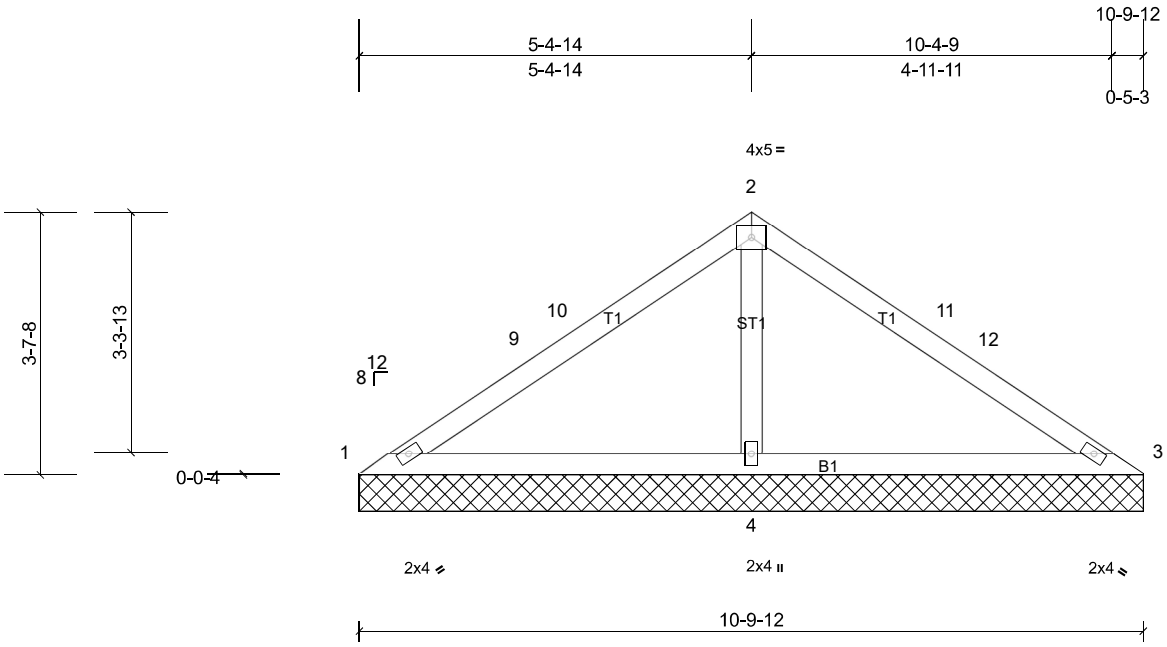
REACTIONS (lb/size) 1=48/6-9-12, (min. 0-1-8), 3=48/6-9-12, (min. 0-1-8), 4=450/6-9-12, (min. 0-1-8)
Max Horiz 1=-36 (LC 10)
Max Uplift 4=-13 (LC 12)
Max Grav 1=70 (LC 21), 3=70 (LC 22), 4=450 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-4=-313/77

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=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 0-0-6 to 3-0-6, Interior (1) 3-0-6 to 3-5-4, Exterior (2) 3-5-4 to 6-5-4, Interior (1) 6-5-4 to 6-10-2 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 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 13 lb uplift at joint 4.
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Value Build Homes - 23-05-09 Camden B
Q2201065	V09	Valley	1	1	Job Reference (optional)



Scale = 1:31.8

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.30	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	0.17	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-AS							Weight: 38 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS (lb/size) 1=33/10-9-12, (min. 0-1-8), 3=33/10-9-12, (min. 0-1-8), 4=798/10-9-12, (min. 0-1-8)
Max Horiz 1=-59 (LC 10)
Max Uplift 1=-30 (LC 22), 3=-30 (LC 21), 4=-29 (LC 12)
Max Grav 1=79 (LC 21), 3=79 (LC 22), 4=798 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-9=-69/268, 9-10=-44/280, 2-10=-43/368, 2-11=-43/368, 11-12=-44/280, 3-12=-58/268
BOT CHORD 1-4=-259/93, 3-4=-259/93
WEBS 2-4=-627/134

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=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 0-0-6 to 3-0-6, Interior (1) 3-0-6 to 5-5-4, Exterior (2) 5-5-4 to 8-5-4, Interior (1) 8-5-4 to 10-10-2 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 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 30 lb uplift at joint 1, 30 lb uplift at joint 3 and 29 lb uplift at joint 4.
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard