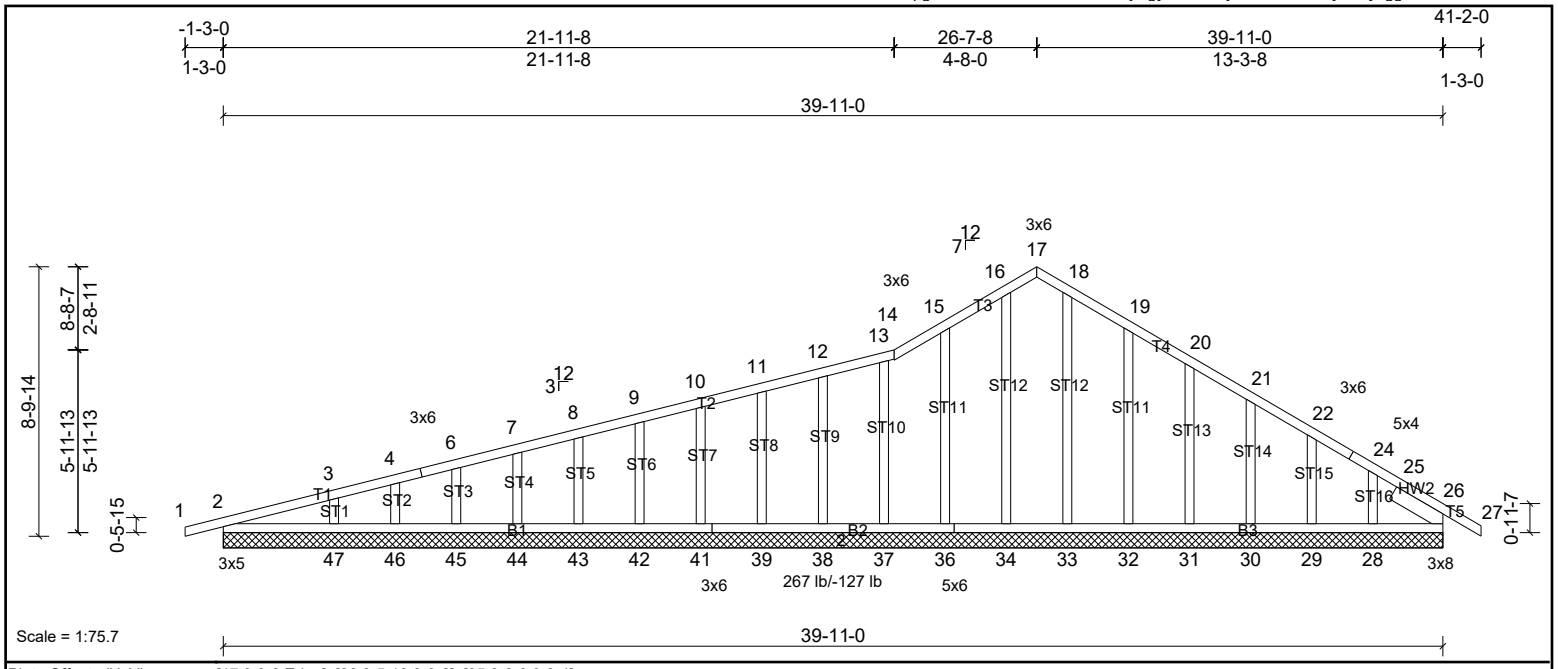
Job	Truss	Truss Type	Qty	Ply	
25052031	A1G	Truss	1	1	Job Reference (optional)



Scale = 1:75.7

Plate Offsets (X, Y): [17:0-3-0,Edge], [26:0-5-10,0-0-2], [35:0-2-8,0-0-4]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.12	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.08	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.01	26	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 241 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
OTHERS	2x4 SP No.2
SLIDER	Right 2x6 SP No.2 -- 1-11-0

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS All bearings 39-11-0.

(lb) - Max Horiz 2=235 (LC 9)

Max Uplift All uplift 100 (lb) or less at joint(s) 2, 26, 29, 30, 31, 32, 36, 37, 38, 39, 41, 42, 43, 44, 45, 46, 47 except 28=-128 (LC 11)

Max Grav All reactions 250 (lb) or less at joint(s) 2, 26, 28, 29, 30, 31, 32, 33, 34, 36, 37, 38, 39, 41, 42, 43, 44, 45, 46 except 47=268 (LC 21)

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

NOTES

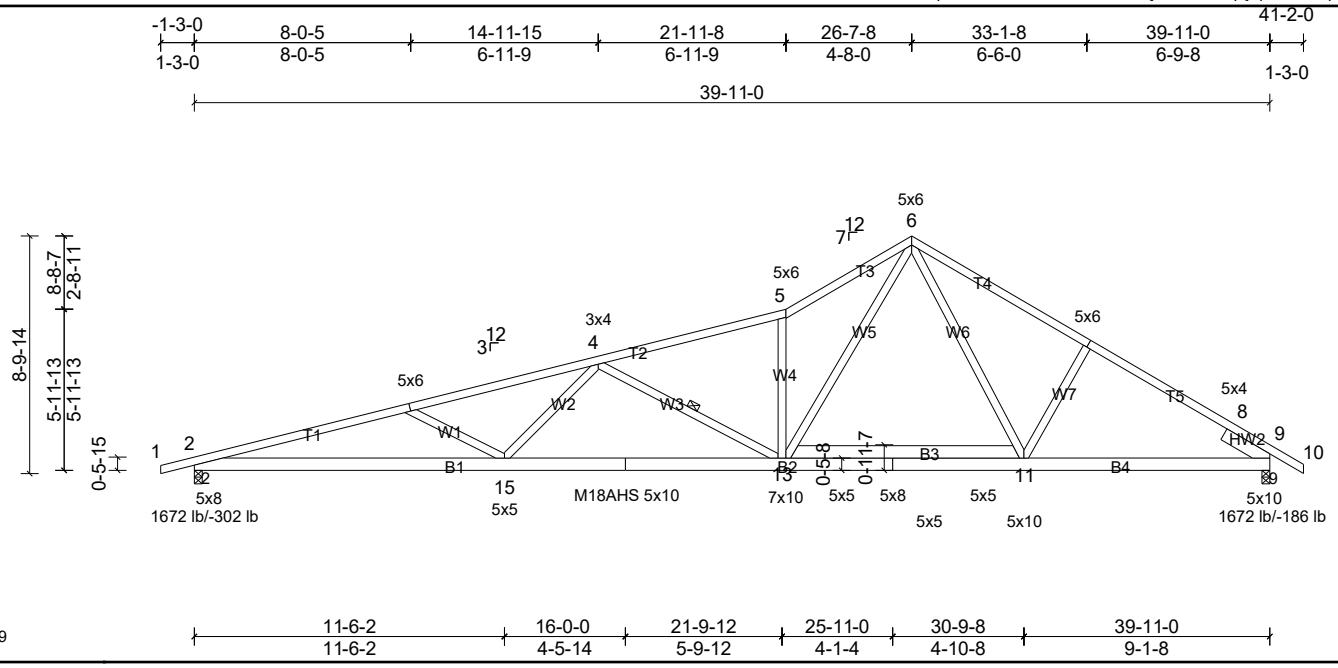
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only.
4) All plates are 2x3 (||) MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 36, 37, 38, 39, 41, 42, 43, 44, 45, 46, 47, 32, 31, 30, 29, 26, 2, 26 except (jt=lb) 28=127.
10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
25052031	A2	Truss	5	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Eric Graham — Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Sat May 24 00:56:02 — Page: 1

ID:xa6DYhVmsFBmz458qkbZQOzDT9a-aFeKfZKANeXyQKEa5V3qajfqaJW1NGpfYlk7klzDSsR



Scale = 1:85.9

11-6-2	16-0-0	21-9-12	25-11-0	30-9-8	39-11-0
11-6-2	4-5-14	5-9-12	4-1-4	4-10-8	9-1-8

Plate Offsets (X, Y): [3:0-3-0,0-3-0], [6:0-3-8,Edge], [7:0-3-0,0-3-0], [9:0-6-14,0-0-2], [13:0-1-12,0-3-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.99	Vert(LL)	-0.34	13-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.81	Vert(CT)	-0.70	13-15	>680	180	M18AHS	186/179
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.98	Horz(CT)	0.12	9	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 253 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.1 *Except* T3,T5:2x4 SP No.2
BOT CHORD	2x6 SP No.2 *Except* B1:2x6 SP No.1
WEBS	2x4 SP No.2
SLIDER	Right 2x6 SP No.2 -- 1-11-0

BRACING

TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	Rigid ceiling directly applied or 7-3-12 oc bracing.
WEBS	1 Row at midpt 4-13

REACTIONS (lb/size) 2=1672/0-3-8, (min. 0-2-0), 9=1672/0-3-8, (min. 0-2-0)
Max Horiz 2=235 (LC 9)
Max Uplift 2=-302 (LC 10), 9=-186 (LC 11)

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

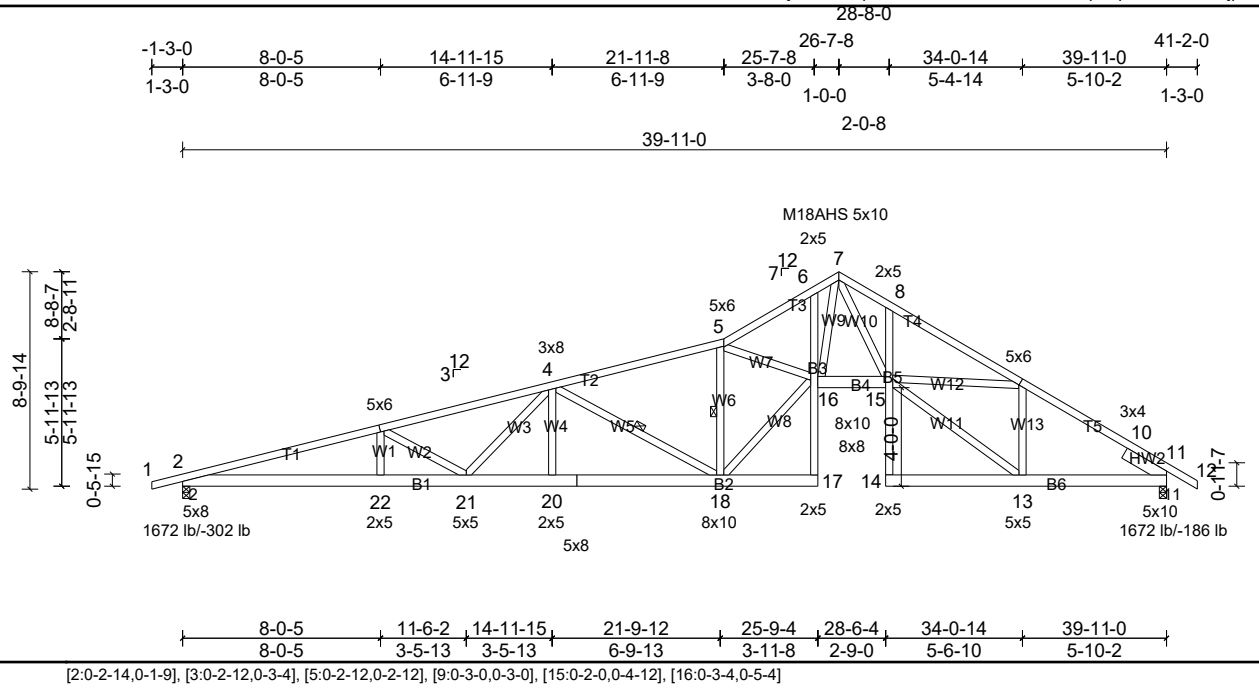
TOP CHORD	2-3=-5007/1233, 3-4=-4517/1028, 4-5=-3016/723, 5-6=-3421/924, 6-7=-2259/595, 7-8=-2410/548, 8-9=-865/0
BOT CHORD	2-15=-1144/4807, 14-15=-847/3897, 13-14=-847/3897, 13-23=-196/1688, 12-23=-194/1689, 12-24=-194/1694, 11-24=-195/1691, 9-11=-331/2003
WEBS	3-15=-556/319, 4-15=-35/723, 4-13=-1186/409, 5-13=-1275/440, 6-13=-618/2413, 6-11=-136/508, 7-11=-331/250

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 302 lb uplift at joint 2 and 186 lb uplift at joint 9.
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	
25052031	A3	Truss	3	1	Job Reference (optional)



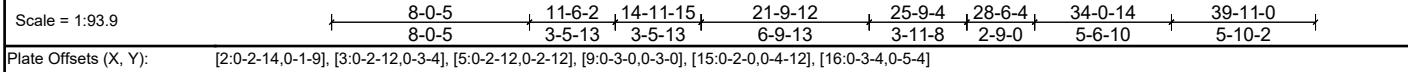


Plate Offsets (X, Y): [2:0-2-14,0-1-9], [3:0-2-12,0-3-4], [5:0-2-12,0-2-12], [9:0-3-0,0-3-0], [15:0-2-0,0-4-12], [16:0-3-4,0-5-4]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	1.00	Vert(LL)	-0.47	18-20	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	1.00	Vert(CT)	-0.95	18-20	>505	180	M18AHS	186/179
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.69	Horz(CT)	0.43	11	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 276 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.2 *Except* T1:2x4 SP No.1
BOT CHORD	2x6 SP No.2 *Except* B3,B5:2x4 SP No.2
WEBS	2x4 SP No.2 *Except* W8:2x4 SP No.1
SLIDER	Right 2x6 SP No.2 -- 1-11-0

BRACING

TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	Rigid ceiling directly applied or 1-4-12 oc bracing.
WEBS	1 Row at midpt 4-18, 5-18

REACTIONS (lb/size) 2=1672/0-3-8, (min. 0-2-0), 11=1672/0-3-8, (min. 0-2-0)
Max Horiz 2=235 (LC 9)
Max Uplift 2=-302 (LC 10), 11=-186 (LC 11)

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

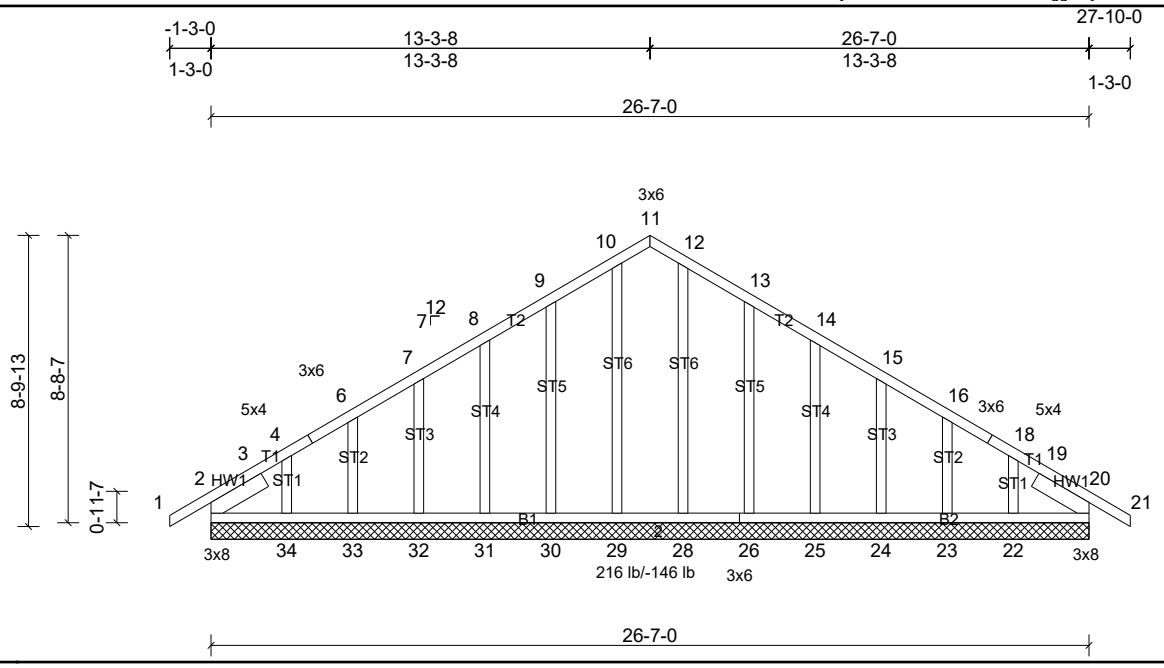
TOP CHORD	2-3=-5032/1188, 3-4=-4467/1078, 4-5=-2993/732, 5-6=-4562/904, 6-7=-4419/934, 7-8=-4748/970, 8-9=-4843/899, 9-10=-2364/515, 10-11=-609/0
BOT CHORD	2-22=-1102/4831, 21-22=-1101/4832, 20-21=-833/3934, 19-20=-833/3934, 18-19=-833/3934, 15-16=-354/3267, 11-13=-313/1969
WEBS	4-18=-1251/381, 5-18=-2291/420, 16-18=-732/4165, 5-16=-4/1067, 9-15=-210/2122, 7-15=-371/1920, 7-16=-586/2686, 9-13=-1513/329, 13-15=-389/2425, 3-21=-656/212, 4-21=-129/534

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 302 lb uplift at joint 2 and 186 lb uplift at joint 11.
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	
25052031	B1G	Truss	1	1	Job Reference (optional)



Scale = 1:70.1

26-7-0

Plate Offsets (X, Y): [2:0-5-10,0-0-2], [11:0-3-0,Edge], [20:0-5-10,0-0-2], [27:0-2-8,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.11	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.01	20	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 182 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS All bearings 26-7-0.

(lb) - Max Horiz 2=-219 (LC 8)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 20, 23, 24, 25, 26, 30, 31, 32, 33 except 22=-133 (LC 11), 34=-147 (LC 10)
Max Grav All reactions 250 (lb) or less at joint(s) 2, 20, 22, 23, 24, 25, 26, 28, 29, 30, 31, 32, 33, 34

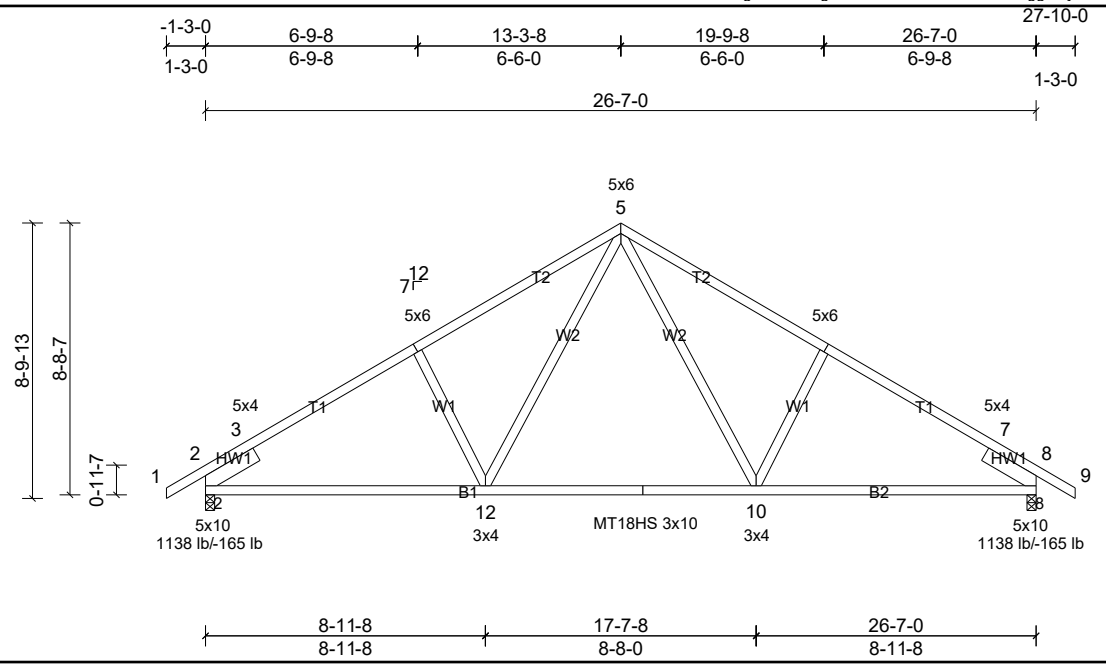
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only.
4) All plates are 2x3 (||) MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 30, 31, 32, 33, 26, 25, 24, 23, 20, 2, 20 except (jt=lb) 34=146, 22=133.
10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
25052031	B2	Truss	8	1	Job Reference (optional)



Scale = 1:74.1

Plate Offsets (X, Y): [4:0-3-0,0-3-0], [6:0-3-0,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.90	Vert(LL)	-0.33	10-12	>967	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.87	Vert(CT)	-0.50	10-12	>643	180	MT18HS	244/190
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.23	Horz(CT)	0.08	8	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 141 lb	FT = 20%

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

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

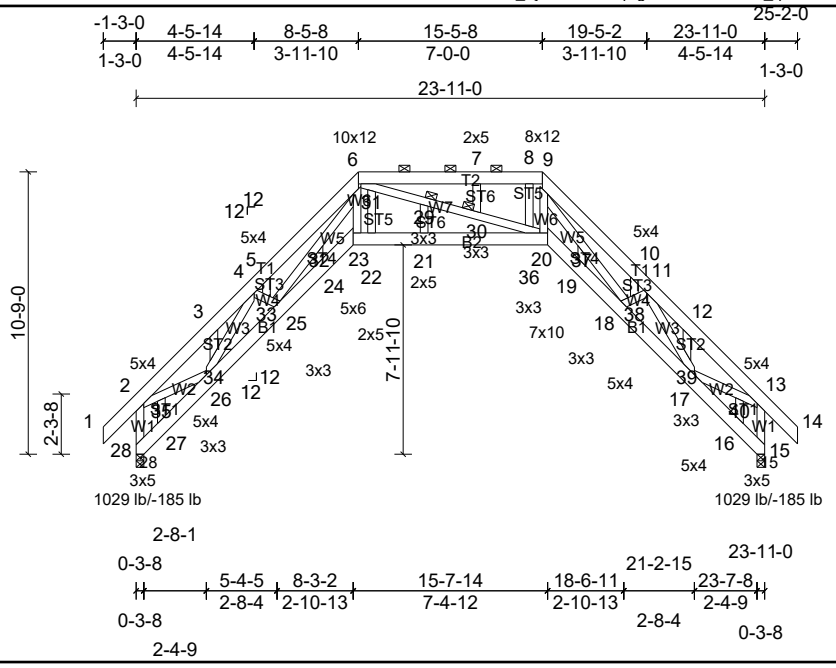
REACTIONS (lb/size) 2=1138/0-3-8, (min. 0-1-8), 8=1138/0-3-8, (min. 0-1-8)
Max Horiz 2=219 (LC 9)
Max Uplift 2=-165 (LC 10), 8=-165 (LC 11)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
- TOP CHORD 2-3=-485/98, 3-4=-1470/310, 4-5=-1351/365, 5-6=-1351/365, 6-7=-1470/310, 7-8=-350/98
- BOT CHORD 2-12=-257/1332, 12-21=-33/913, 11-21=-33/913, 11-22=-33/913, 10-22=-33/913, 8-10=-128/1191
- WEBS 5-10=-147/601, 6-10=-332/257, 5-12=-147/601, 4-12=-332/257

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 165 lb uplift at joint 2 and 165 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
25052031	C1SG	Truss	1	1	Job Reference (optional)



Scale = 1:88

Plate Offsets (X, Y): [2:0-1-4,0-2-0], [6:0-4-12,0-5-0], [9:0-3-4,0-4-0], [13:0-1-4,0-2-0], [15:0-1-0,0-1-12], [23:0-3-0,0-3-4], [28:0-1-0,0-1-12]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.30	Vert(LL)	0.24	20-21	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.65	Vert(CT)	-0.39	20-21	>736	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.56	Horz(CT)	0.73	15	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 232 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-3-2 oc purlins, except end verticals, and 2-0-0 oc purlins (4-7-4 max.): 6-9.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
JOINTS	1 Brace at Jt(s): 29, 30

REACTIONS (lb/size) 15=1029/0-3-8, (min. 0-1-8), 28=1029/0-3-8, (min. 0-1-8)
Max Horiz 28=-327 (LC 8)
Max Uplift 15=-185 (LC 6), 28=-185 (LC 7)

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

TOP CHORD 2-28=-1039/776, 2-3=-1585/1059, 3-4=-1692/1112, 4-5=-2507/1171, 5-6=-2838/1207, 6-7=-2211/503, 7-8=-2211/503, 8-9=-2211/503, 9-10=-2825/1168, 10-11=-2511/1180, 11-12=-1693/1113, 12-13=-1585/1058, 13-15=-1039/775

BOT CHORD 27-28=-434/451, 26-27=-410/453, 25-26=-1096/2323, 24-25=-1111/3257, 23-24=-1086/3232, 22-23=-688/2166, 21-22=-688/2166, 20-21=-688/2166, 19-20=-643/3335, 18-19=-663/3357, 17-18=-425/2248

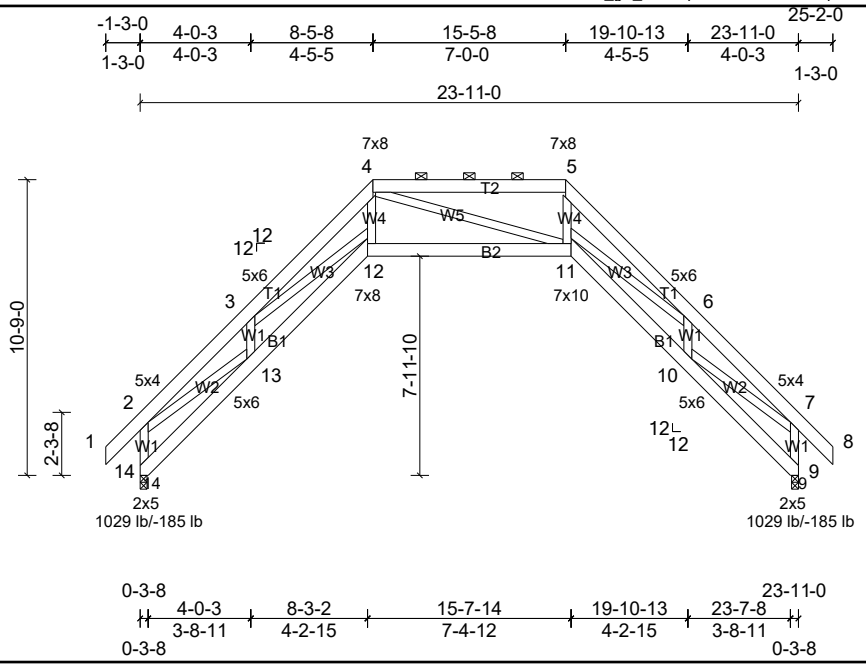
WEBS 6-23=-816/2109, 6-31=-308/353, 29-31=-305/323, 29-30=-313/318, 30-36=-298/322, 20-36=-324/334, 9-20=-596/2273, 2-35=-556/1105, 26-35=-566/1121, 25-32=-924/0, 6-32=-917/0, 9-37=-1046/300, 18-37=-1087/309, 17-40=-565/1121, 13-40=-555/1105, 18-38=-144/417, 11-38=-171/702, 11-39=-1085/189, 17-39=-1380/204, 4-33=-163/710, 25-33=-65/378, 26-34=-1386/416, 4-34=-1092/309, 22-31=-31/278, 5-33=-534/150, 3-34=-323/117, 10-38=-501/42, 12-39=-325/56

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch 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.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 2x3 (||) MT20 unless otherwise indicated.
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) 28, 15 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 185 lb uplift at joint 28 and 185 lb uplift at joint 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) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
25052031	C2	Truss	1	1	Job Reference (optional)



Scale = 1:84.1

Plate Offsets (X, Y): [2:0-1-4,0-2-0], [4:0-3-3,0-2-13], [5:0-3-3,0-2-13], [7:0-1-4,0-2-0], [9:0-2-8,0-0-4], [14:0-2-8,0-0-4]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.41	Vert(LL)	0.24	11-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.53	Vert(CT)	-0.39	11-12	>732	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.50	Horz(CT)	0.72	9	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 211 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 3-9-2 oc purlins, except end verticals, and 2-0-0 oc purlins (4-4-8 max.): 4-5.
BOT CHORD	Rigid ceiling directly applied or 7-2-6 oc bracing.

REACTIONS (lb/size) 9=1029/0-3-0, (min. 0-1-8), 14=1029/0-3-0, (min. 0-1-8)
Max Horiz 14=327 (LC 9)
Max Uplift 9=-185 (LC 6), 14=-185 (LC 7)

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

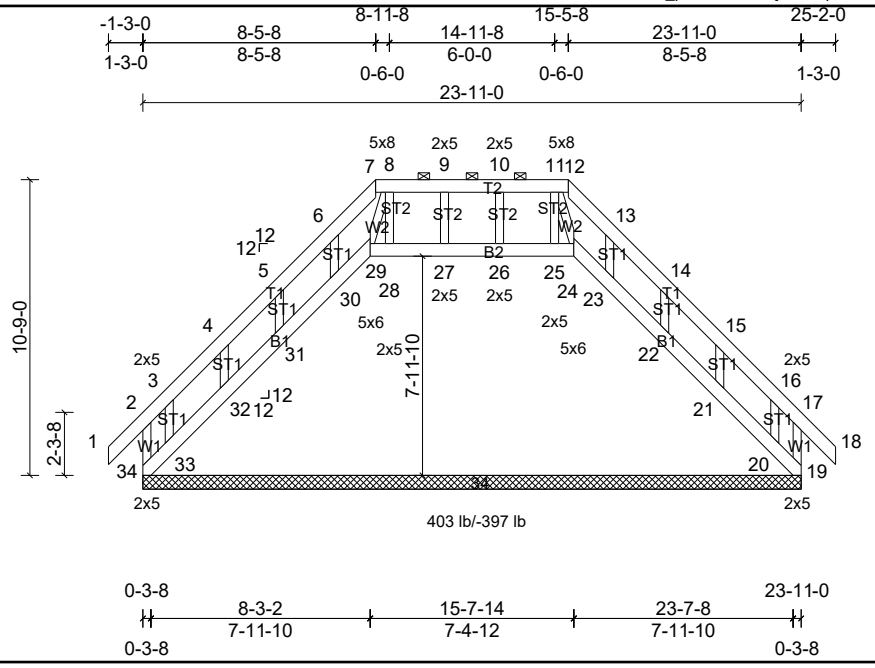
TOP CHORD	2-14=-1006/686, 2-3=-2347/1321, 3-4=-3443/1178, 4-5=-2197/497, 5-6=-3450/778, 6-7=-2345/1323, 7-9=-1005/687
BOT CHORD	13-14=-422/505, 12-13=-1049/2184, 11-12=-691/2193, 10-11=-526/2076
WEBS	3-12=-63/1043, 4-12=-796/2049, 4-11=-320/324, 5-11=-473/2053, 6-11=-305/1156, 3-13=-559/135, 2-13=-781/1747, 6-10=-547/19, 7-10=-783/1746

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 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) 14, 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 185 lb uplift at joint 14 and 185 lb uplift at joint 9.
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
25052031	C3G	Truss	1	1	Job Reference (optional)



Scale = 1:84.1

Plate Offsets (X, Y): [7:0-2-12,0-3-0], [12:0-2-12,0-3-0], [24:0-3-0,0-3-4], [29:0-3-0,0-3-4]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.11	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.08	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	-0.01	19	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 196 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 7-12.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS All bearings 23-11-0.

(lb) - Max Horiz 34=-327 (LC 8)

Max Uplift All uplift 100 (lb) or less at joint(s) 19, 23, 26, 27, 30 except 20=-101 (LC 11), 21=-110 (LC 11), 22=-132 (LC 11), 24=-397 (LC 9), 25=-198 (LC 8), 28=-254 (LC 9), 29=-156 (LC 8), 31=-132 (LC 10), 32=-110 (LC 10), 33=-122 (LC 7), 34=-360 (LC 6)

Max Grav All reactions 250 (lb) or less at joint(s) 19, 20, 21, 22, 23, 25, 26, 27, 29, 30, 31, 32, 33 except 24=404 (LC 6), 28=306 (LC 8), 34=375 (LC 9)

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

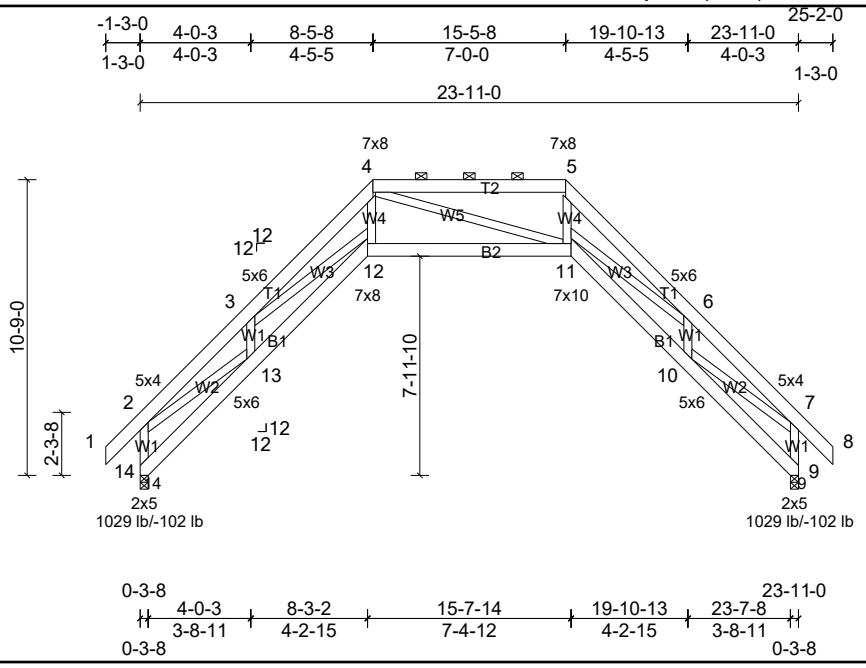
TOP CHORD	4-5=-159/325, 5-6=-254/446, 6-7=-310/498, 7-8=-244/399, 8-9=-220/348, 9-10=-220/348, 10-11=-220/348, 11-12=-244/399, 12-13=-310/498, 13-14=-254/446, 14-15=-159/325
BOT CHORD	33-34=-432/417, 32-33=-401/376, 31-32=-407/376, 30-31=-407/373, 29-30=-387/346
WEBS	8-28=-270/278, 8-29=-401/405, 11-24=-369/371

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 2x3 (||) MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
8) Gable studs spaced at 2-0-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 19, 27, 26, 30, 23 except (jt=lb) 34=360, 29=155, 24=397, 28=253, 31=131, 32=109, 33=121, 25=198, 22=132, 21=110, 20=101.
12) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 29, 24, 27, 26, 28, 30, 31, 32, 33, 25, 23, 22, 21, 20.
13) 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.
14) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
25052031	C4	Truss	6	1	Job Reference (optional)



Scale = 1:84.1

Plate Offsets (X, Y): [4:0-3-3,0-2-13], [5:0-3-3,0-2-13], [7:0-1-4,0-2-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.41	Vert(LL)	-0.18	11-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.53	Vert(CT)	-0.39	11-12	>732	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.50	Horz(CT)	0.72	9	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 211 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 3-9-2 oc purlins, except end verticals, and 2-0-0 oc purlins (4-4-8 max.): 4-5.
BOT CHORD	Rigid ceiling directly applied or 8-5-12 oc bracing.

REACTIONS (lb/size) 9=1029/0-3-8, (min. 0-1-8), 14=1029/0-3-8, (min. 0-1-8)
Max Horiz 14=-327 (LC 8)
Max Uplift 9=-102 (LC 11), 14=-102 (LC 10)

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

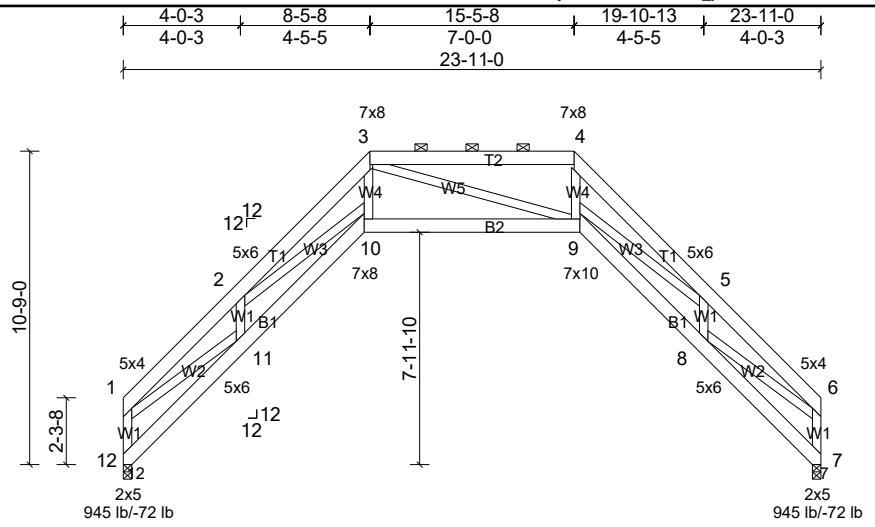
TOP CHORD	2-14=-1045/255, 2-3=-2402/547, 3-4=-3443/756, 4-5=-2197/225, 5-6=-3450/356, 6-7=-2345/67, 7-9=-1005/219
BOT CHORD	13-14=-457/470, 12-13=-762/2395, 11-12=-572/2253, 10-11=0/2076
WEBS	3-12=-92/1043, 4-12=-495/2188, 4-11=-320/324, 5-11=-173/2053, 6-11=-334/1156, 3-13=-547/151, 2-13=-322/1752, 6-10=-547/31, 7-10=0/1746

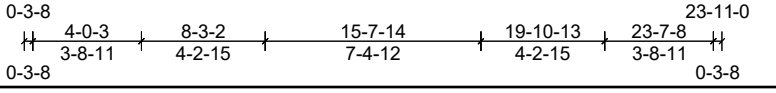
NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
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) 14, 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 102 lb uplift at joint 14 and 102 lb uplift at joint 9.
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
25052031	C5	Truss	6	1	Job Reference (optional)





Scale = 1:79.3

Plate Offsets (X, Y): [1:0-1-4,0-2-0], [3:0-3-11,0-2-9], [4:0-3-11,0-2-9], [6:0-1-4,0-2-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.41	Vert(LL)	-0.18	9-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.53	Vert(CT)	-0.39	9-10	>724	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.51	Horz(CT)	0.73	7	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 203 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 3-8-15 oc purlins, except end verticals, and 2-0-0 oc purlins (4-4-3 max.): 3-4.
BOT CHORD	Rigid ceiling directly applied or 8-3-0 oc bracing.

REACTIONS (lb/size) 7=945/0-3-8, (min. 0-1-8), 12=945/0-3-8, (min. 0-1-8)
Max Horiz 12=290 (LC 7)
Max Uplift 7=-72 (LC 11), 12=-72 (LC 10)

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

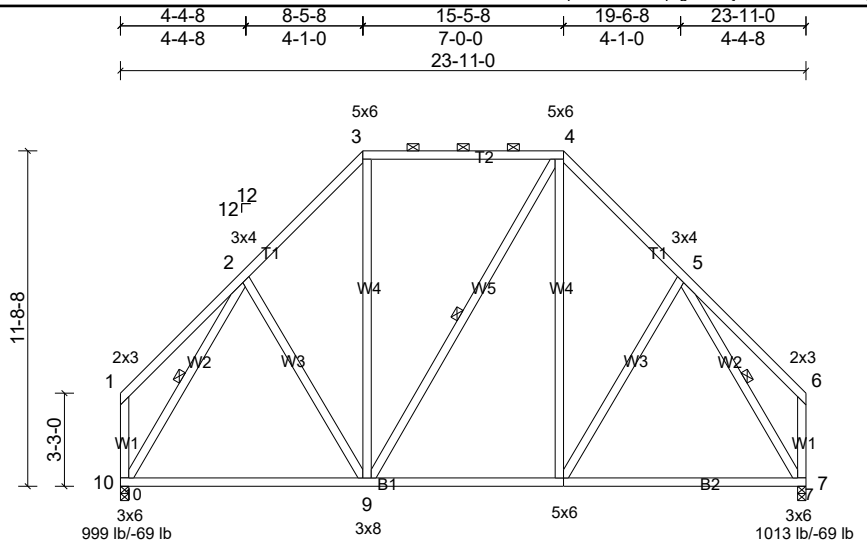
TOP CHORD	1-12=-944/241, 1-2=-2387/572, 2-3=-3483/818, 3-4=-2222/265, 4-5=-3490/419, 5-6=-2385/255, 6-7=-925/169
BOT CHORD	11-12=-410/423, 10-11=-806/2364, 9-10=-626/2217, 8-9=-77/2124
WEBS	2-10=-123/1017, 3-10=-540/2145, 3-9=-318/321, 4-9=-219/2083, 5-9=-365/1073, 2-11=-560/168, 1-11=-369/1784, 5-8=-561/79, 6-8=-78/1782

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
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) 12, 7 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 72 lb uplift at joint 12 and 72 lb uplift at joint 7.
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
25052031	D1	Truss	6	1	Job Reference (optional)



Scale = 1:80.7

8-7-4 | 15-5-8 | 23-11-0
8-7-4 | 6-10-4 | 8-5-8

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.81	Vert(LL)	-0.19	9-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.71	Vert(CT)	-0.33	9-10	>858	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.28	Horz(CT)	0.02	7	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 190 lb	FT = 20%

LUMBER

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

BRACING

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

REACTIONS (lb/size) 7=945/0-3-8, (min. 0-1-8), 10=945/0-3-8, (min. 0-1-8)
Max Horiz 10=-331 (LC 6)
Max Uplift 7=-69 (LC 11), 10=-69 (LC 10)
Max Grav 7=1013 (LC 2), 10=999 (LC 2)

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

TOP CHORD	2-3=-783/340, 3-4=-548/302, 4-5=-800/343
BOT CHORD	10-11=-233/606, 11-12=-233/606, 9-12=-233/606, 9-13=-92/536, 8-13=-92/536, 8-14=-45/477, 14-15=-45/477, 7-15=-45/477
WEBS	3-9=-78/279, 4-8=-112/363, 2-10=-836/68, 5-7=-858/67

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
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, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 69 lb uplift at joint 10 and 69 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) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
25052031	D2G	Truss	1	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Eric Graham — Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Sat May 24 00:56:08 — Page: 1

ID:kx2es?c5p?e6OWNHmgWXqnzDSuf-OP?bvcOxyUH68FhkRmAEq_vz?kfdn9VXwEBSyxzDSsL

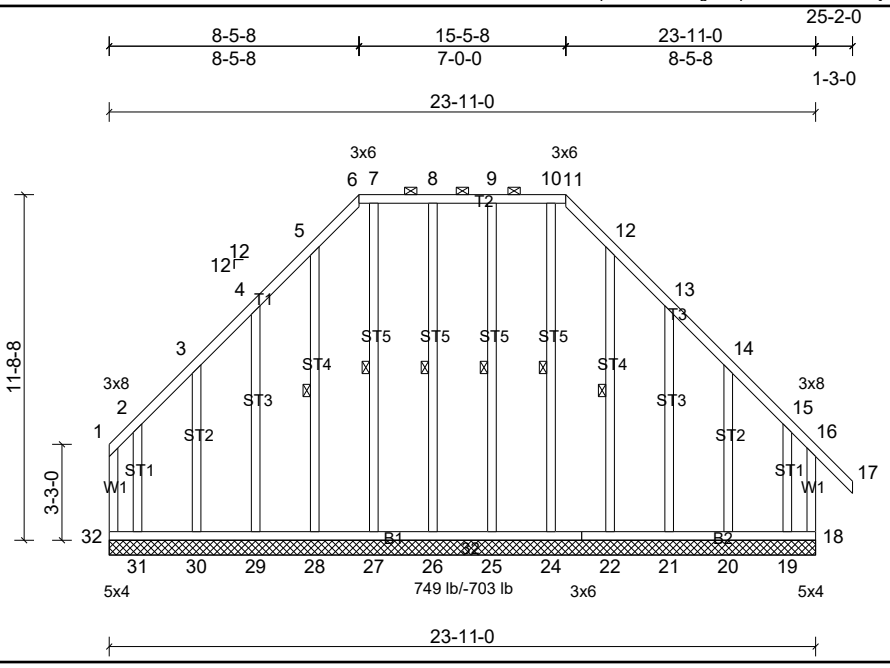


Plate Offsets (X, Y): [1:0-4-0,Edge], [6:0-1-11,Edge], [11:0-1-11,Edge], [16:0-4-0,Edge], [18:Edge,0-3-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.54	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.41	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.20	Horz(CT)	-0.01	18	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MR							Weight: 239 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.2

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 6-11.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 8-26, 9-25, 7-27, 5-28, 10-24, 12-22

REACTIONS All bearings 23-11-0.

(lb) - Max Horiz 32=-355 (LC 6)

Max Uplift All uplift 100 (lb) or less at joint(s) 20, 22, 25, 26, 27, 28 except 18=-663 (LC 7), 19=-689 (LC 6), 21=-139 (LC 11), 29=-136 (LC 10), 30=-105 (LC 10), 31=-604 (LC 7), 32=-704 (LC 6)

Max Grav All reactions 250 (lb) or less at joint(s) 20, 21, 22, 24, 25, 26, 27, 28, 29, 30 except 18=736 (LC 8), 19=716 (LC 9), 31=749 (LC 8), 32=695 (LC 9)

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

TOP CHORD 1-32=-373/370, 1-2=-350/351, 3-4=-216/316, 4-5=-320/443, 5-6=-359/481, 6-7=-288/393, 7-8=-288/393, 8-9=-288/393, 9-10=-288/393, 10-11=-288/393, 11-12=-359/481, 12-13=-320/443, 13-14=-216/316, 15-16=-358/354, 16-18=-397/370

WEBS 7-27=-282/169, 2-31=-342/292, 10-24=-282/169, 15-19=-321/332

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 2x3 (||) MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
8) Gable studs spaced at 2-0-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 26, 25, 27, 28, 22, 20 except (jt=lb) 32=703, 18=663, 29=136, 30=104, 31=604, 21=139, 19=688.
12) 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.
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
25052031	D3	Truss	4	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Eric Graham — Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Sat May 24 00:56:09 — Page: 1

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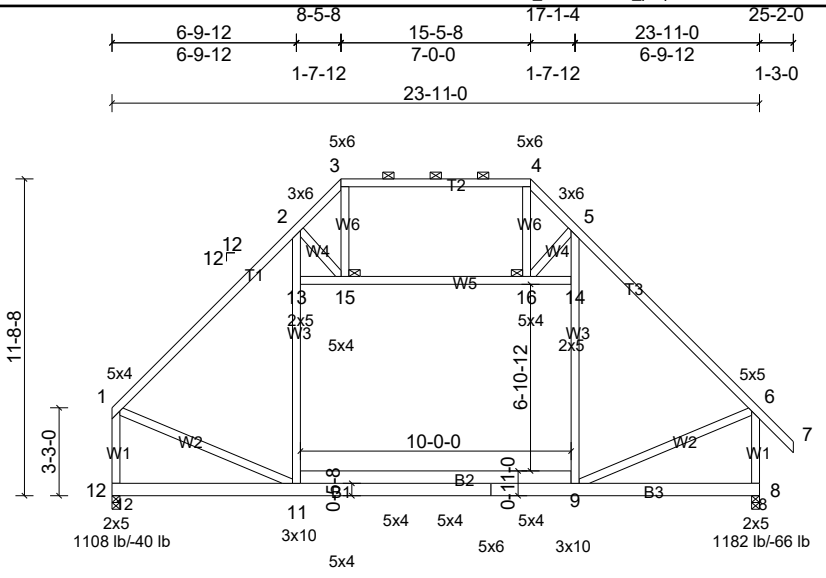

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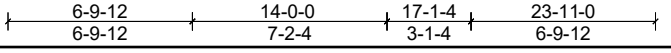


Plate Offsets (X, Y): [1:0-0-12,0-1-8], [6:0-2-12,0-1-4], [9:0-2-4,0-1-8], [11:0-2-4,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.77	Vert(LL)	0.21	8-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.50	Vert(CT)	-0.22	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.24	Horz(CT)	0.00	8	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH		Attic	-0.10	9-11	>999	360	Weight: 216 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-2-2 oc purlins, except end verticals, and 2-0-0 oc purlins (5-8-3 max.): 3-4.
BOT CHORD	Rigid ceiling directly applied or 9-9-4 oc bracing.
JOINTS	1 Brace at Jt(s): 15, 16

REACTIONS (lb/size) 8=1083/0-3-8, (min. 0-1-8), 12=994/0-3-8, (min. 0-1-8)
Max Horiz 12=-352 (LC 6)
Max Uplift 8=-66 (LC 11), 12=-40 (LC 10)
Max Grav 8=1182 (LC 2), 12=1108 (LC 2)

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

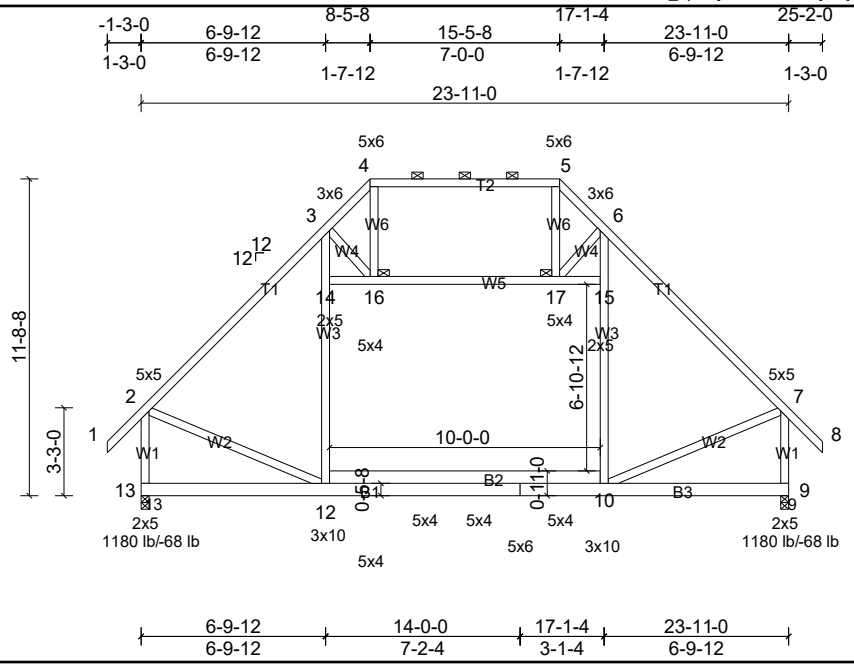
TOP CHORD	1-2=-1022/220, 2-3=-693/298, 3-4=-450/185, 4-5=-686/284, 5-6=-1029/235, 1-12=-1070/183, 6-8=-1148/231
BOT CHORD	11-12=-344/366, 10-11=-88/720, 9-10=-88/720
WEBS	11-13=-93/293, 2-13=-89/284, 9-14=-80/298, 5-14=-74/290, 15-16=-264/153, 1-11=-108/738, 6-9=-108/754, 3-15=-139/358, 2-15=-422/245, 4-16=-121/347, 5-16=-407/237

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
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) Ceiling dead load (5.0 psf) on member(s). 13-15, 15-16, 14-16
7) Bottom chord live load (30.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 9-11
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 40 lb uplift at joint 12 and 66 lb uplift at joint 8.
9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
11) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
25052031	D4	Truss	2	1	Job Reference (optional)



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6-9-12 | 14-0-0 | 17-1-4 | 23-11-0
6-9-12 | 7-2-4 | 3-1-4 | 6-9-12

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.77	Vert(LL)	0.21	12-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.49	Vert(CT)	-0.22	12-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.23	Horz(CT)	0.00	9	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH		Attic	-0.10	10-12	>999	360	Weight: 219 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 5-0-8 oc purlins, except end verticals, and 2-0-0 oc purlins (5-8-3 max.): 4-5.
BOT CHORD	Rigid ceiling directly applied or 9-5-12 oc bracing.
JOINTS	1 Brace at Jt(s): 16, 17

REACTIONS (lb/size) 9=1080/0-3-8, (min. 0-1-8), 13=1080/0-3-8, (min. 0-1-8)
Max Horiz 13=-364 (LC 8)
Max Uplift 9=-68 (LC 11), 13=-68 (LC 10)
Max Grav 9=1180 (LC 2), 13=1180 (LC 2)

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

TOP CHORD	2-3=-1025/242, 3-4=-686/294, 4-5=-451/194, 5-6=-686/294, 6-7=-1025/242, 2-13=-1144/239, 7-9=-1144/239
BOT CHORD	12-13=-369/391, 11-12=-89/716, 10-11=-89/716
WEBS	12-14=-81/297, 3-14=-75/288, 10-15=-81/297, 6-15=-75/288, 16-17=-257/149, 2-12=-108/748, 7-10=-109/749, 4-16=-126/346, 3-16=-404/236, 5-17=-126/346, 6-17=-404/236

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
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) Ceiling dead load (5.0 psf) on member(s). 14-16, 16-17, 15-17
7) Bottom chord live load (30.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 10-12
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 68 lb uplift at joint 13 and 68 lb uplift at joint 9.
9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
11) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
25052031	D5G	Truss	1	1	Job Reference (optional)

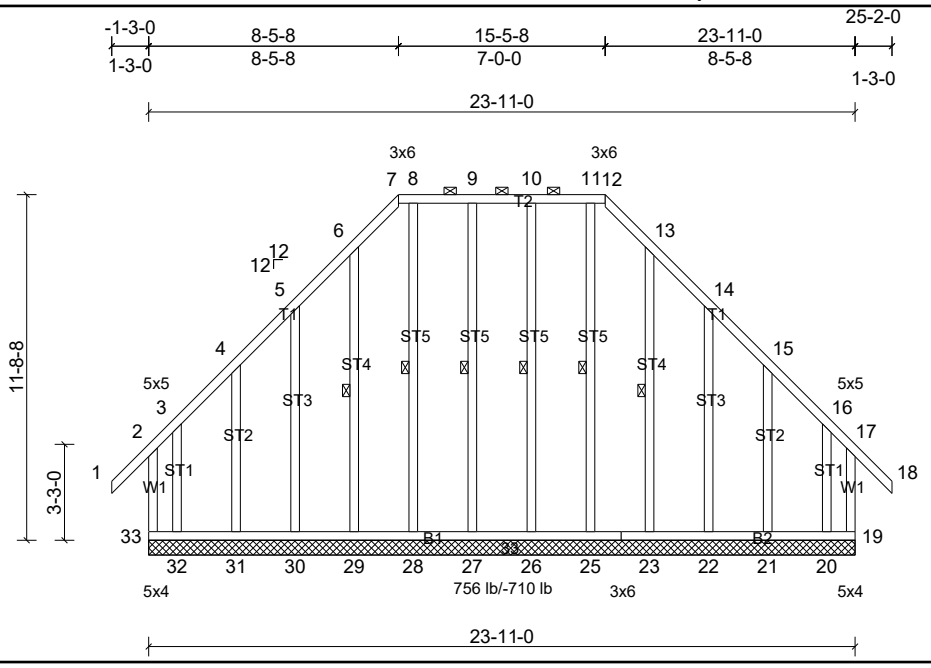

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Plate Offsets (X, Y): [2:0-2-8,0-1-12], [7:0-1-11,Edge], [12:0-1-11,Edge], [17:0-2-8,0-1-12], [19:Edge,0-3-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.55	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.42	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.20	Horz(CT)	-0.01	19	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MR							Weight: 241 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.2

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (10-0-0 max.): 7-12.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 9-27, 10-26, 8-28, 6-29, 11-25, 13-23

REACTIONS All bearings 23-11-0.

(lb) - Max Horiz 33=-368 (LC 8)

Max Uplift All uplift 100 (lb) or less at joint(s) 21, 23, 26, 27, 29, 31 except 19=-693 (LC 7), 20=-639 (LC 6), 22=-139 (LC 11), 30=-139 (LC 10), 32=-653 (LC 7), 33=-710 (LC 6)

Max Grav All reactions 250 (lb) or less at joint(s) 21, 22, 23, 26, 27, 29, 30, 31 except 19=731 (LC 8), 20=741 (LC 9), 25=258 (LC 10), 28=259 (LC 11), 32=757 (LC 8), 33=750 (LC 9)

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

TOP CHORD 2-33=-404/397, 2-3=-366/380, 3-4=-146/258, 4-5=-193/365, 5-6=-296/493, 6-7=-338/526, 7-8=-272/428, 8-9=-272/428, 9-10=-272/428, 10-11=-272/428, 11-12=-272/428, 12-13=-338/526, 13-14=-296/493, 14-15=-193/365, 15-16=-141/258, 16-17=-355/370, 17-19=-394/387

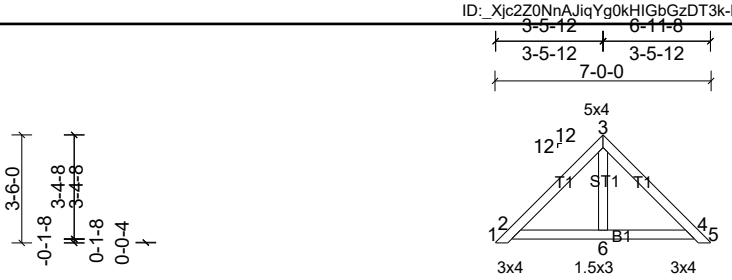
WEBS 8-28=-314/154, 3-32=-339/315, 11-25=-314/154, 16-20=-332/309

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 2x3 (||) MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
8) Gable studs spaced at 2-0-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 27, 26, 29, 31, 23, 21 except (jt=lb) 33=710, 19=692, 30=139, 32=653, 22=139, 20=638.
12) 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.
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
25052031	PB1	Truss	26	1	Job Reference (optional)



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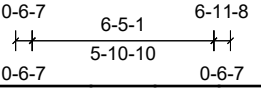


Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.14	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.13	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horiz(TL)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 27 lb	FT = 20%

LUMBER

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

BRACING

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

REACTIONS All bearings 7-0-0.

(lb) - Max Horiz 1=-85 (LC 6)
Max Uplift All uplift 100 (lb) or less at joint(s) 5, 6 except 1=-214 (LC 17), 2=-192 (LC 10)
Max Grav All reactions 250 (lb) or less at joint(s) 1, 5 except 2=346 (LC 17), 6=311 (LC 1)

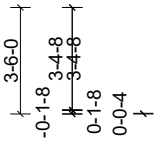
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

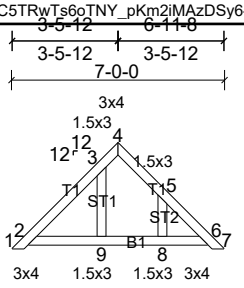
NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only.
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 4-0-0 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 100 lb uplift at joint(s) 5, 6 except (jt=lb) 1=213, 2=191, 2=191.
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) See standard piggyback truss connection detail for connection to base truss.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
25052031	PB2	Truss	3	1	Job Reference (optional)





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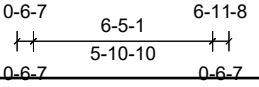

Plate Offsets (X, Y): [4:0-2-0,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.04	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horiz(TL)	0.00	7	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 29 lb	FT = 20%

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

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

REACTIONS All bearings 7-0-0.
(lb) - Max Horiz 1=85 (LC 7)
Max Uplift All uplift 100 (lb) or less at joint(s) 8, 9 except 1=-154 (LC 17), 2=-104 (LC 10)
Max Grav All reactions 250 (lb) or less at joint(s) 1, 7, 8, 9 except 2=270 (LC 17)

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=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only.
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 2-0-0 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 100 lb uplift at joint(s) 8, 9 except (jt=lb) 1=153, 2=103, 2=103.
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) See standard piggyback truss connection detail for connection to base truss.

LOAD CASE(S) Standard