Job	Truss	Truss Type	Qty	Ply	HH HUNT / GRAYSON FRMH A RF 3CG
72432400	3CG1	Truss	1	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, r thomas — Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Fri Oct 18 16:10:13 — Page: 1

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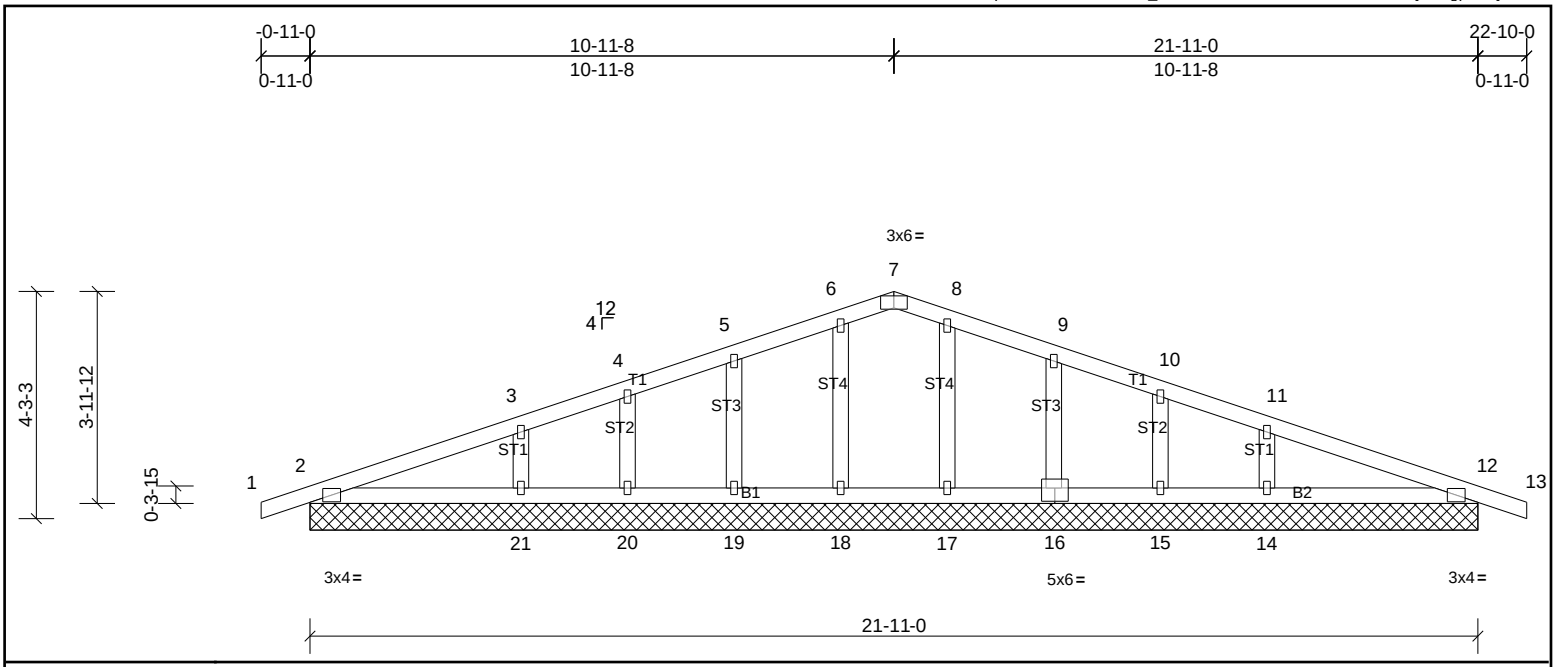

Plate Offsets (X, Y): [7:0-3-0,Edge], [16:0-3-0,0-3-0]

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	0.13	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.13	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	12	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MSH							Weight: 95 lb	FT = 20%

LUMBER

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

BRACING

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

REACTIONS All bearings 21-11-0.

(lb) - Max Horiz 2=-69 (LC 11), 22=-69 (LC 11)

Max Uplift All uplift 100 (lb) or less at joint(s) 2, 12, 14, 15, 16, 17, 18, 19, 20, 21, 22, 26

Max Grav All reactions 250 (lb) or less at joint(s) 2, 12, 15, 16, 17, 18, 19, 20, 22, 26 except 14=310 (LC 25), 21=310 (LC 24)

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 7-16; 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 Corner(3E) -0-11-0 to 2-1-0, Exterior(2N) 2-1-0 to 7-11-8, Corner(3R) 7-11-8 to 13-11-8, Exterior(2N) 13-11-8 to 19-10-0, Corner (3E) 19-10-0 to 22-10-0 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) Truss designed for wind loads in the plane of the truss only.
4) All plates are 1.5x3 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, 18, 17, 19, 20, 21, 16, 15, 14, 12, 2, 12.

Job	Truss	Truss Type	Qty	Ply	HH HUNT / GRAYSON FRMH A RF 3CG
72432400	3CG2	Truss	5	1	Job Reference (optional)

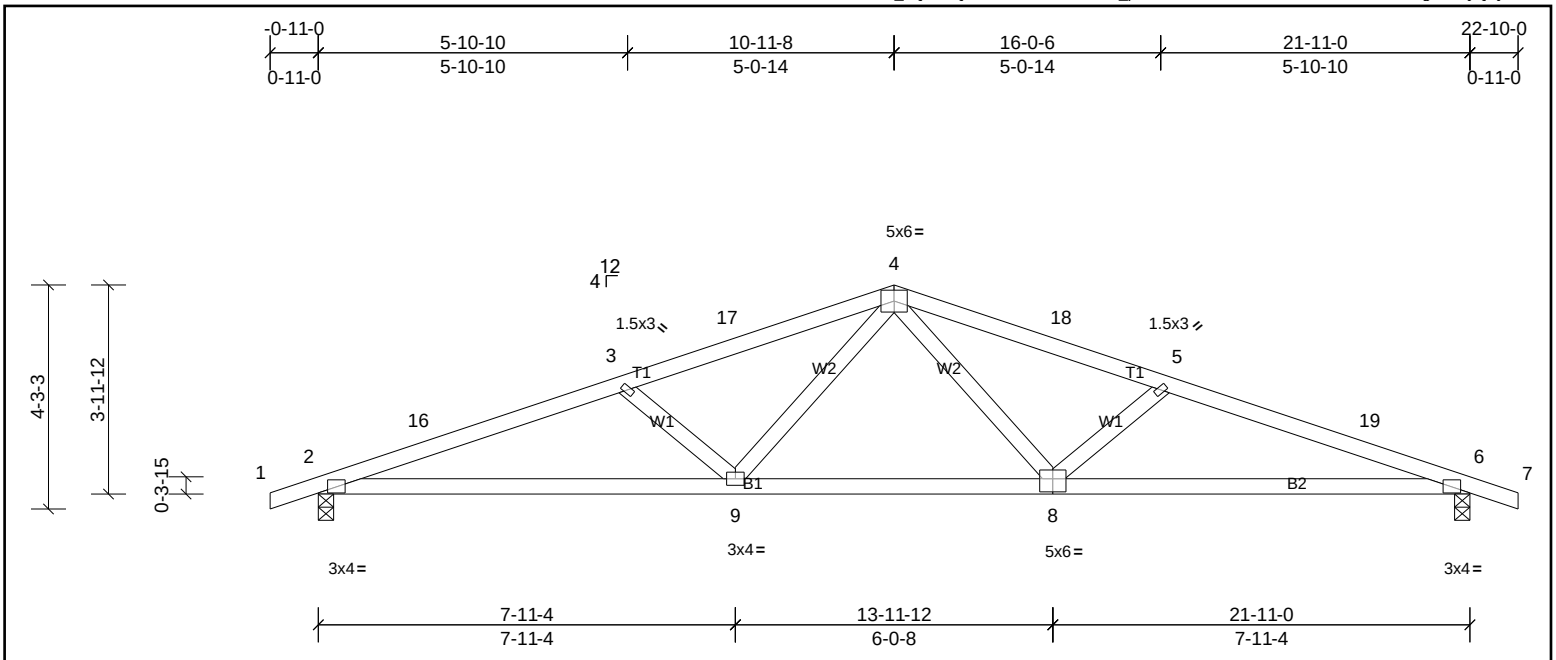

Plate Offsets (X, Y): [2:0-2-2,Edge], [6:0-2-2,Edge], [8:0-3-0,0-3-0]

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	0.41	Vert(LL)	-0.10	8-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.74	Vert(CT)	-0.26	8-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.23	Horz(CT)	0.06	6	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MSH							Weight: 92 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 3-7-2 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 8-11-9 oc bracing.

REACTIONS (lb/size) 2=932/0-3-8, (min. 0-1-8), 6=932/0-3-8, (min. 0-1-8)
Max Horiz 2=-69 (LC 11)
Max Uplift 2=-179 (LC 6), 6=-179 (LC 7)

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

TOP CHORD	2-16=-2127/524, 3-16=-2107/538, 3-17=-1846/449, 4-17=-1800/461, 4-18=-1800/461, 5-18=-1846/449, 5-19=-2107/538, 6-19=-2127/524
BOT CHORD	2-9=-428/1991, 8-9=-239/1324, 6-8=-428/1991
WEBS	4-8=-76/555, 5-8=-422/201, 4-9=-75/555, 3-9=-422/201

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; 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(2E) -0-11-0 to 2-1-0, Interior (1) 2-1-0 to 7-11-8, Exterior(2R) 7-11-8 to 13-11-8, Interior (1) 13-11-8 to 19-10-0, Exterior (2E) 19-10-0 to 22-10-0 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) 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 179 lb uplift at joint 2 and 179 lb uplift at joint 6.

Job	Truss	Truss Type	Qty	Ply	HH HUNT / GRAYSON FRMH A RF 3CG
72432400	A1	Truss	1	1	Job Reference (optional)

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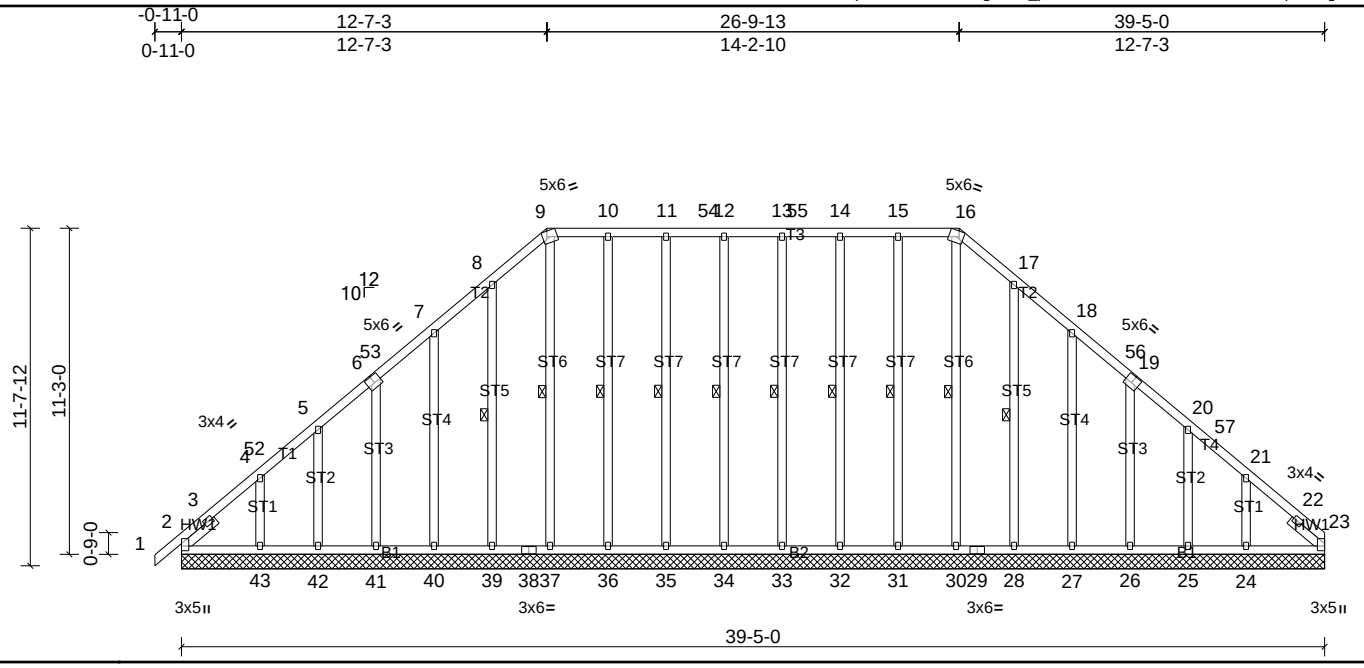

Plate Offsets (X, Y): [2:Edge,0-4-5], [6:0-3-0,0-3-0], [9:0-1-13,Edge], [16:0-1-13,Edge], [19:0-3-0,0-3-0]

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	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.12	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.17	Horz(CT)	0.02	23	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MSH							Weight: 348 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
OTHERS	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 or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 9-16.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 12-34, 13-33, 11-35, 10-36, 9-37, 8-39, 14-32, 15-31, 16-30, 17-28

REACTIONS All bearings 39-5-0.

(lb) - Max Horiz 2=285 (LC 9), 44=285 (LC 9)

Max Uplift All uplift 100 (lb) or less at joint(s) 23, 25, 26, 27, 28, 31, 32, 33, 34, 35, 36, 37, 39, 40, 41, 42, 48 except 2=-104 (LC 6), 24=-177 (LC 11), 43=-186 (LC 10), 44=-104 (LC 6)

Max Grav All reactions 250 (lb) or less at joint(s) 23, 25, 26, 27, 28, 30, 31, 32, 33, 34, 35, 36, 37, 39, 40, 41, 42, 48 except 2=260 (LC 20), 24=265 (LC 20), 43=266 (LC 19), 44=260 (LC 20)

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

TOP CHORD 3-4=-274/232, 8-9=-159/286, 16-17=-159/270

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; 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(2E) -0-11-0 to 3-0-5, Interior (1) 3-0-5 to 7-0-5, Exterior(2R) 7-0-5 to 18-2-1, Interior (1) 18-2-1 to 21-2-15, Exterior(2R) 21-2-15 to 32-4-11, Interior (1) 32-4-11 to 35-5-11, Exterior(2E) 35-5-11 to 39-5-0 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.
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) 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) 34, 33, 35, 36, 37, 39, 40, 41, 42, 32, 31, 28, 27, 26, 25, 23, 23 except (jt=lb) 2=104, 43=186, 24=177, 2=104.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) Attic room checked for L/360 deflection.

Job	Truss	Truss Type	Qty	Ply	HH HUNT / GRAYSON FRMH A RF 3CG
72432400	A2	Truss	4	1	Job Reference (optional)

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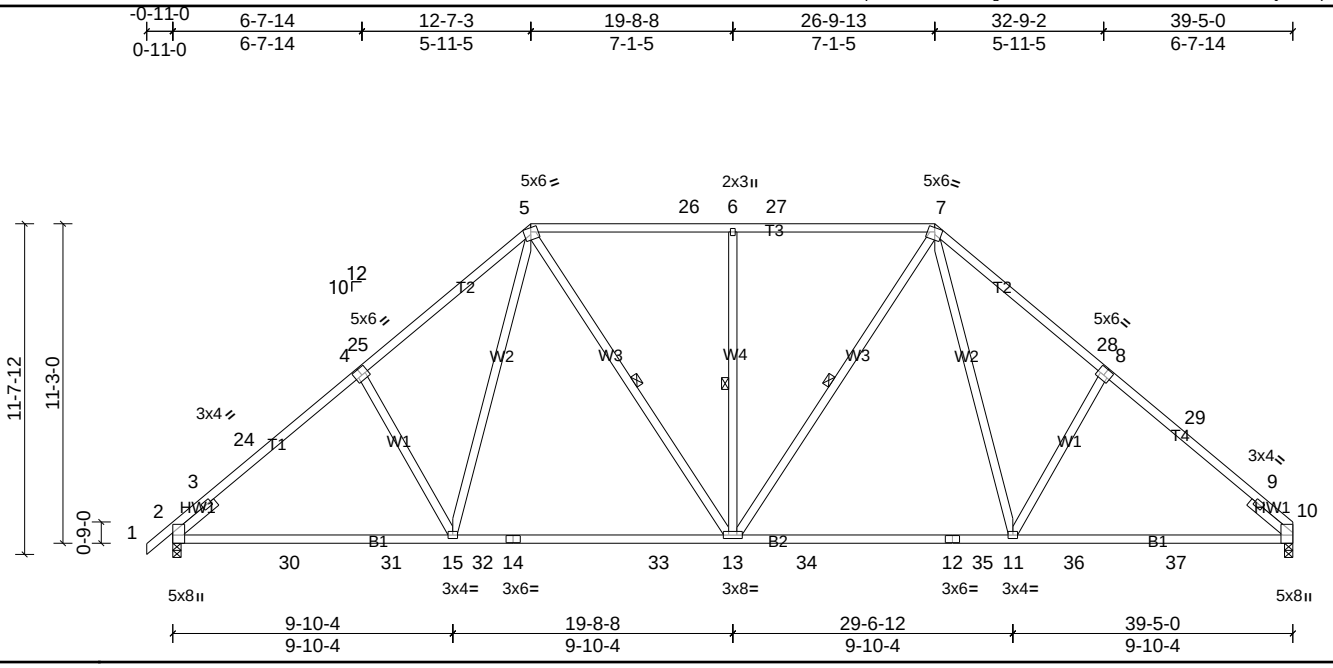

Plate Offsets (X, Y): [4:0-3-0,0-3-0], [8:0-3-0,0-3-0]

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	0.72	Vert(LL)	-0.27	13-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.87	Vert(CT)	-0.45	13-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.40	Horz(CT)	0.09	10	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MSH							Weight: 242 lb	FT = 20%

LUMBER

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

BRACING

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

REACTIONS (lb/size) 2=1632/0-3-8, (min. 0-2-3), 10=1576/0-3-8, (min. 0-2-2)
Max Horiz 2=286 (LC 9)
Max Uplift 2=-158 (LC 10), 10=-137 (LC 11)
Max Grav 2=1868 (LC 2), 10=1821 (LC 2)

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

TOP CHORD	2-3=-1310/0, 3-24=-2613/284, 4-24=-2462/325, 4-25=-2504/365, 5-25=-2489/412, 5-26=-1987/386, 6-26=-1987/386, 6-27=-1987/386, 7-27=-1987/386, 7-28=-2492/417, 8-28=-2506/370, 8-29=-2464/329, 9-29=-2614/303, 9-10=-1205/0
BOT CHORD	2-30=-334/1908, 30-31=-252/1908, 15-31=-252/1908, 15-32=-184/1565, 14-32=-184/1565, 14-33=-184/1565, 13-33=-184/1565, 13-34=-61/1566, 12-34=-61/1566, 12-35=-61/1566, 11-35=-61/1566, 11-36=-148/1910, 36-37=-148/1910, 10-37=-148/1910
WEBS	5-13=-184/573, 6-13=-489/237, 7-13=-185/573, 4-15=-350/305, 5-15=-164/758, 8-11=-352/306, 7-11=-165/762

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; 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(2E) -0-11-0 to 3-0-5, Interior (1) 3-0-5 to 7-0-5, Exterior(2R) 7-0-5 to 18-2-1, Interior (1) 18-2-1 to 21-2-15, Exterior(2R) 21-2-15 to 32-4-11, Interior (1) 32-4-11 to 35-5-11, Exterior(2E) 35-5-11 to 39-5-0 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) 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 158 lb uplift at joint 2 and 137 lb uplift at joint 10.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
8) Attic room checked for L/360 deflection.

This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFPI plant. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, erection and bracing available from SBCA and Truss Plate Institute.

Job	Truss	Truss Type	Qty	Ply	HH HUNT / GRAYSON FRMH A RF 3CG
72432400	A2H	Truss	4	1	Job Reference (optional)

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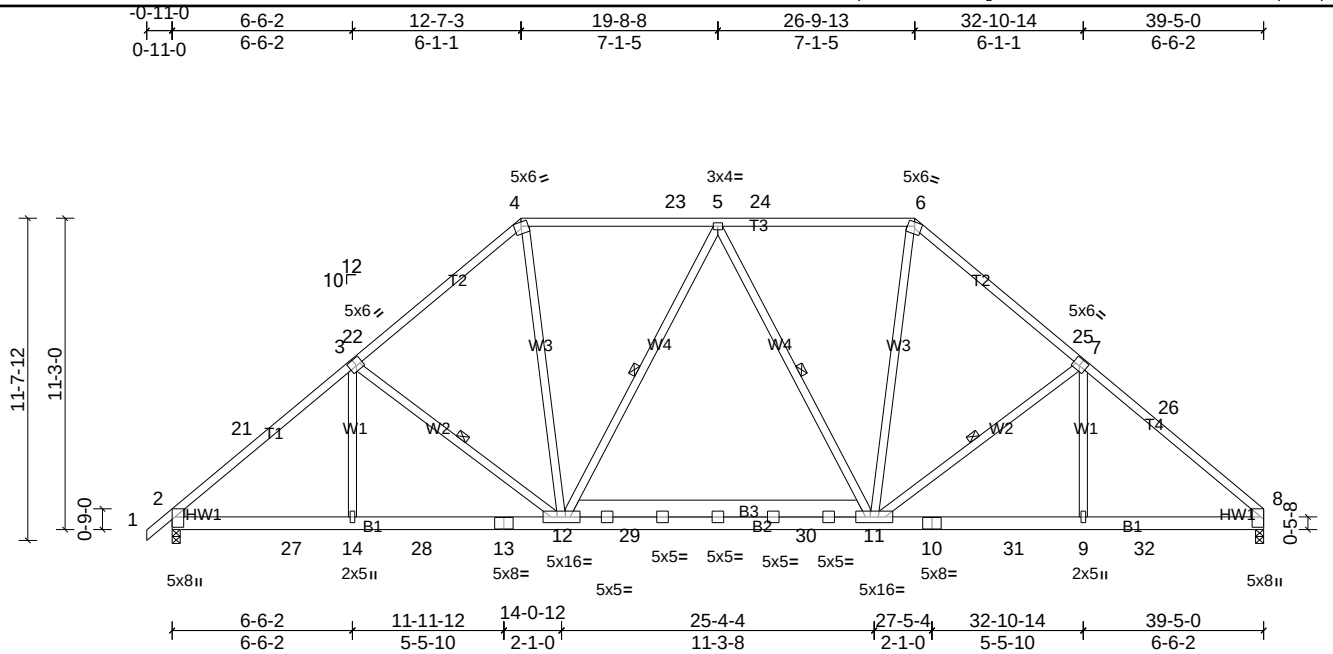

Plate Offsets (X, Y): [2:Edge,0-1-4], [3:0-3-0,0-3-0], [7:0-3-0,0-3-0], [8:Edge,0-1-4]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.72	Vert(LL)	-0.12	11-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.55	Vert(CT)	-0.20	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.37	Horz(CT)	0.06	8	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MSH							Weight: 308 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.2
BOT CHORD	2x6 SP No.2 *Except* B3:2x8 SP No.2
WEBS	2x4 SP No.3
WEDGE	Left: 2x4 SP No.2 Right: 2x4 SP No.2

BRACING

TOP CHORD	Structural wood sheathing directly applied or 3-2-10 oc purlins, except 2-0-0 oc purlins (3-9-14 max.): 4-6.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 3-12, 5-12, 5-11, 7-11

REACTIONS (lb/size) 2=1632/0-3-8, (min. 0-2-3), 8=1576/0-3-8, (min. 0-2-2)
Max Horiz 2=286 (LC 9)
Max Uplift 2=-159 (LC 10), 8=-138 (LC 11)
Max Grav 2=1840 (LC 2), 8=1793 (LC 2)

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

TOP CHORD	2-21=-2665/280, 3-21=-2489/308, 3-22=-2204/321, 4-22=-2189/367, 4-23=-1770/362, 5-23=-1770/362, 5-24=-1770/363, 6-24=-1770/363, 6-25=-2190/369, 7-25=-2204/322, 7-26=-2492/315, 8-26=-2668/288
BOT CHORD	2-27=-249/1937, 14-27=-242/1937, 14-28=-243/1935, 13-28=-243/1935, 12-13=-243/1935, 12-29=-181/1775, 29-30=-181/1775, 11-30=-181/1775, 10-11=-141/1938, 10-31=-141/1938, 9-31=-141/1938, 9-32=-140/1940, 8-32=-140/1940
WEBS	3-14=0/293, 3-12=-552/266, 5-12=-368/237, 5-11=-368/237, 7-11=-557/269, 7-9=0/295, 4-12=-66/995, 6-11=-68/996

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; 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(2E) -0-11-0 to 3-0-5, Interior (1) 3-0-5 to 7-0-5, Exterior(2R) 7-0-5 to 18-2-1, Interior (1) 18-2-1 to 21-2-15, Exterior(2R) 21-2-15 to 32-4-11, Interior (1) 32-4-11 to 35-5-11, Exterior(2E) 35-5-11 to 39-5-0 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) 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 159 lb uplift at joint 2 and 138 lb uplift at joint 8.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
8) Attic room checked for L/360 deflection.

Job	Truss	Truss Type	Qty	Ply	HH HUNT / GRAYSON FRMH A RF 3CG
72432400	A2T	Truss	5	1	Job Reference (optional)

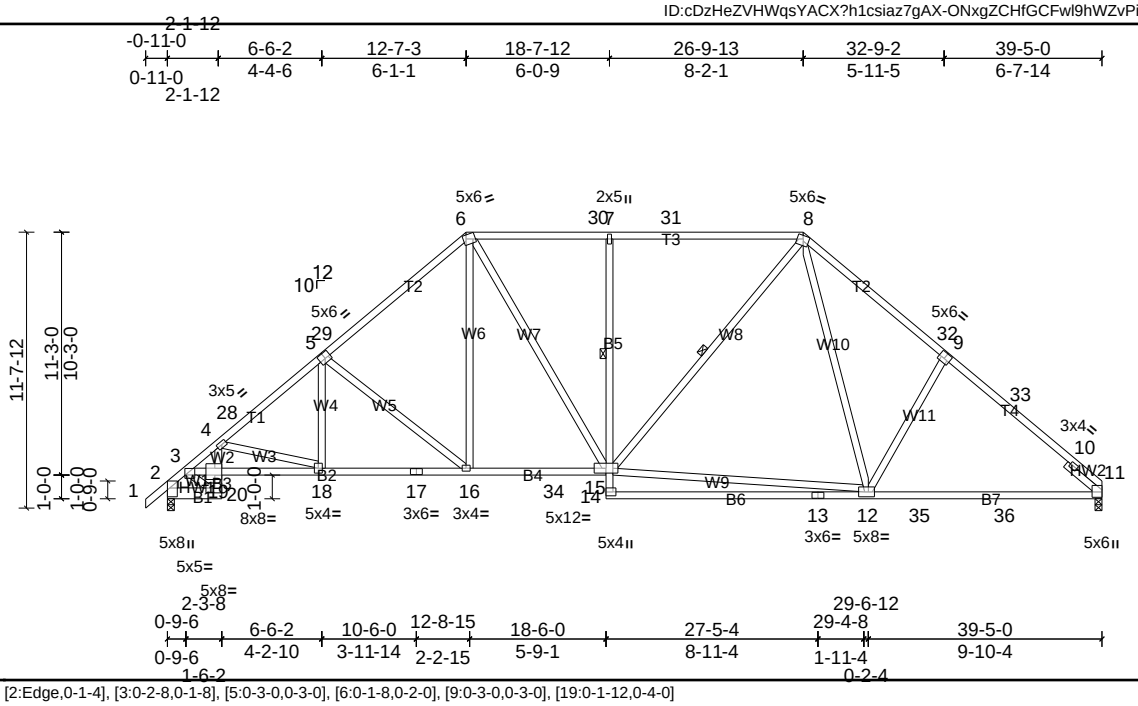

Plate Offsets (X, Y): [2:Edge,0-1-4], [3:0-2-8,0-1-8], [5:0-3-0,0-3-0], [6:0-1-8,0-2-0], [9:0-3-0,0-3-0], [19:0-1-12,0-4-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.82	Vert(LL)	-0.35	12-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.89	Vert(CT)	-0.76	12-14	>623	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.86	Horz(CT)	0.17	11	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MSH							Weight: 274 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.2 *Except* T3:2x4 SP No.1
BOT CHORD	2x4 SP No.2 *Except* B1:2x6 SP No.2, B3,B5:2x4 SP No.3, B7:2x4 SP No.1
WEBS	2x4 SP No.3
WEDGE	Left: 2x4 SP No.2
SLIDER	Right 2x4 SP No.3 -- 1-11-0

BRACING

TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins, except 2-0-0 oc purlins (3-3-5 max.): 6-8.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 9-0-9 oc bracing: 3-19 8-6-11 oc bracing: 18-19.
1 Row at midpt	7-15
WEBS	1 Row at midpt 8-15

REACTIONS (lb/size)
2=1632/0-3-8, (min. 0-2-2), 11=1576/0-3-8, (min. 0-2-1)
Max Horiz 2=286 (LC 9)
Max Uplift 2=-159 (LC 10), 11=-138 (LC 11)
Max Grav 2=1782 (LC 2), 11=1741 (LC 2)

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

TOP CHORD	2-3=-2270/233, 3-4=-4155/426, 4-28=-2972/320, 5-28=-2859/348, 5-29=-2380/335, 6-29=-2365/382, 6-30=-2028/397, 7-30=-2028/397, 7-31=-2028/399, 8-31=-2028/399, 8-32=-2375/411, 9-32=-2390/364, 9-33=-2349/324, 10-33=-2500/298, 10-11=-1138/0
BOT CHORD	2-20=-245/1277, 19-20=-171/969, 3-19=-430/2954, 18-19=-475/3194, 17-18=-286/2218, 16-17=-286/2218, 16-34=-192/1656, 15-34=-192/1656, 7-15=-498/244, 12-35=-145/1823, 35-36=-145/1823, 11-36=-145/1823
WEBS	4-18=-1007/246, 5-18=-5/486, 5-16=-730/279, 6-16=-92/733, 6-15=-223/514, 12-15=-106/1330, 8-15=-207/618, 4-19=-112/863, 9-12=-351/307, 8-12=-156/662, 3-20=-1321/248

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; 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(2E) -0-11-0 to 3-0-5, Interior (1) 3-0-5 to 7-0-5, Exterior(2R) 7-0-5 to 18-2-1, Interior (1) 18-2-1 to 21-2-15, Exterior(2R) 21-2-15 to 32-4-11, Interior (1) 32-4-11 to 35-5-11, Exterior(2E) 35-5-11 to 39-5-0 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) 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 159 lb uplift at joint 2 and 138 lb uplift at joint 11.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
8) Attic room checked for L/360 deflection.

Job	Truss	Truss Type	Qty	Ply	HH HUNT / GRAYSON FRMH A RF 3CG
72432400	A3	Truss	6	1	Job Reference (optional)

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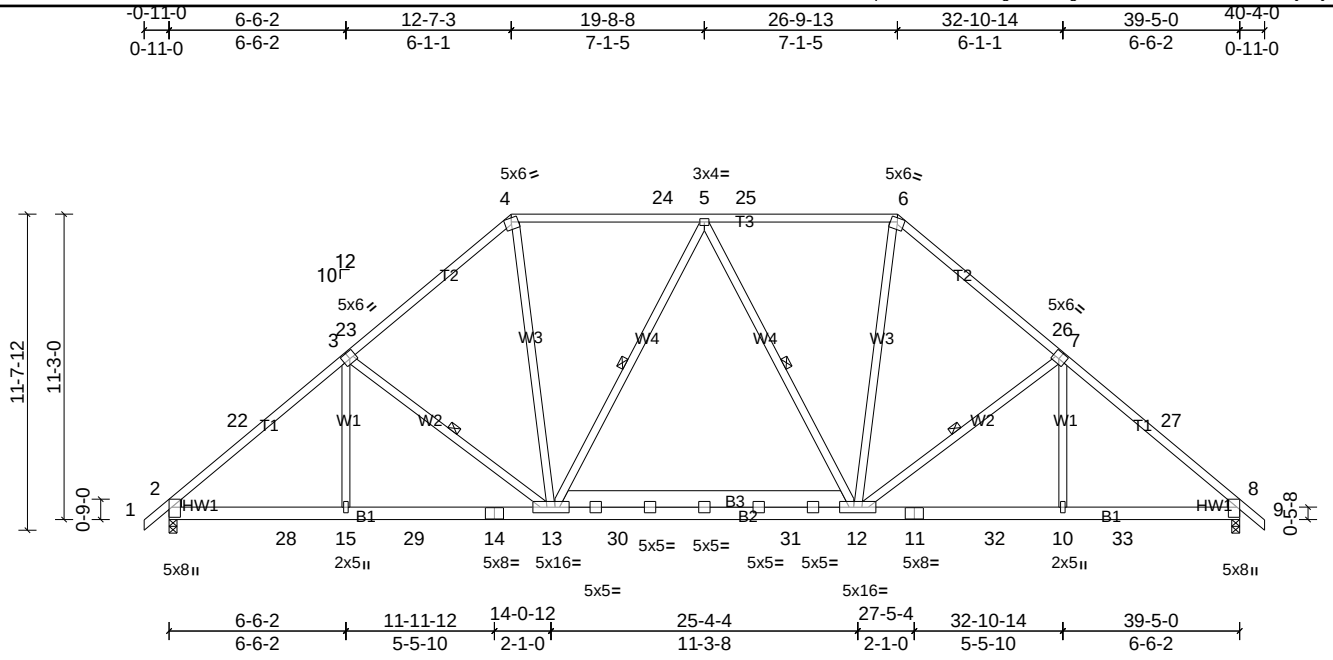

Plate Offsets (X, Y): [2:Edge,0-1-4], [3:0-3-0,0-3-0], [7:0-3-0,0-3-0], [8:Edge,0-1-4]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.72	Vert(LL)	-0.12	12-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.55	Vert(CT)	-0.20	12-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.37	Horz(CT)	0.06	8	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MSH							Weight: 310 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.2
BOT CHORD	2x6 SP No.2 *Except* B3:2x8 SP No.2
WEBS	2x4 SP No.3
WEDGE	Left: 2x4 SP No.2 Right: 2x4 SP No.2

BRACING

TOP CHORD	Structural wood sheathing directly applied or 3-2-10 oc purlins, except 2-0-0 oc purlins (3-9-14 max.): 4-6.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 3-13, 5-13, 5-12, 7-12

REACTIONS (lb/size) 2=1632/0-3-8, (min. 0-2-3), 8=1632/0-3-8, (min. 0-2-3)
Max Horiz 2=-292 (LC 8)
Max Uplift 2=-159 (LC 10), 8=-159 (LC 11)
Max Grav 2=1840 (LC 2), 8=1840 (LC 2)

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

TOP CHORD	2-22=-2664/278, 3-22=-2488/306, 3-23=-2203/319, 4-23=-2188/365, 4-24=-1769/360, 5-24=-1769/360, 5-25=-1769/360, 6-25=-1769/360, 6-26=-2188/365, 7-26=-2203/319, 7-27=-2488/306, 8-27=-2664/278
BOT CHORD	2-28=-242/1942, 15-28=-234/1942, 15-29=-235/1940, 14-29=-235/1940, 13-14=-235/1940, 13-30=-173/1779, 30-31=-173/1779, 12-31=-173/1779, 11-12=-97/1940, 11-32=-97/1940, 10-32=-97/1940, 10-33=-96/1942, 8-33=-96/1942
WEBS	3-15=0/293, 3-13=-552/266, 5-13=-368/237, 5-12=-368/237, 7-12=-553/267, 7-10=0/293, 4-13=-65/995, 6-12=-65/995

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; 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(2E) -0-11-0 to 3-0-5, Interior (1) 3-0-5 to 7-0-5, Exterior(2R) 7-0-5 to 18-2-1, Interior (1) 18-2-1 to 21-2-15, Exterior(2R) 21-2-15 to 32-4-11, Interior (1) 32-4-11 to 36-4-11, Exterior(2E) 36-4-11 to 40-4-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 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 159 lb uplift at joint 2 and 159 lb uplift at joint 8.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
8) Attic room checked for L/360 deflection.

Job	Truss	Truss Type	Qty	Ply	HH HUNT / GRAYSON FRMH A RF 3CG
72432400	A4	Truss	1	1	Job Reference (optional)

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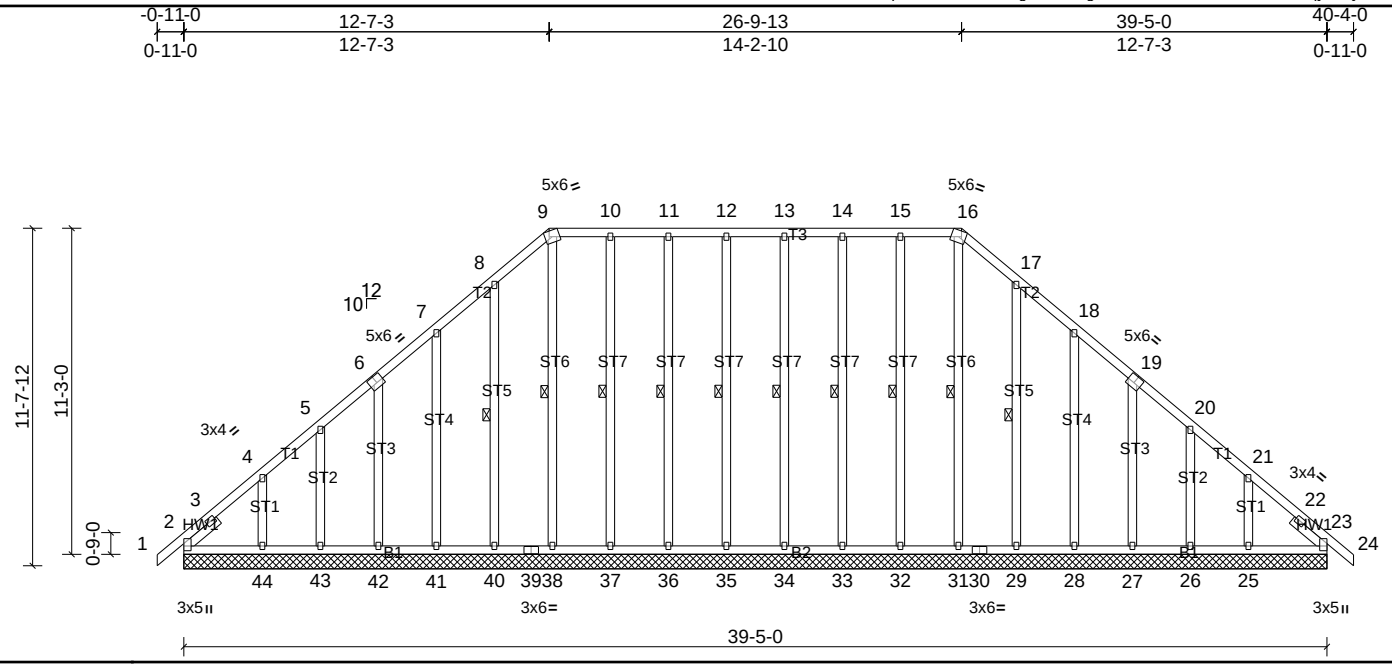

Plate Offsets (X, Y): [2:Edge,0-4-5], [6:0-3-0,0-3-0], [9:0-1-13,Edge], [16:0-1-13,Edge], [19:0-3-0,0-3-0]

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	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.11	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.19	Horz(CT)	0.02	23	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MSH							Weight: 350 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
OTHERS	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 or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 9-16.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 12-35, 13-34, 11-36, 10-37, 9-38, 8-40, 14-33, 15-32, 16-31, 17-29

REACTIONS All bearings 39-5-0.

(lb) - Max Horiz 2=292 (LC 9), 45=292 (LC 9)

Max Uplift All uplift 100 (lb) or less at joint(s) 23, 26, 27, 28, 29, 32, 33, 34, 35, 36, 37, 38, 40, 41, 42, 43, 49 except 2=-108 (LC 6), 25=-170 (LC 11), 44=-185 (LC 10), 45=-108 (LC 6)

Max Grav All reactions 250 (lb) or less at joint(s) 23, 25, 26, 27, 28, 29, 31, 32, 33, 34, 35, 36, 37, 38, 40, 41, 42, 43, 49 except 2=259 (LC 20), 44=267 (LC 19), 45=259 (LC 20)

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

TOP CHORD 3-4=-269/237, 7-8=-158/251, 8-9=-199/308, 9-10=-161/264, 10-11=-161/264, 11-12=-161/264, 12-13=-161/264, 13-14=-161/264, 14-15=-161/264, 15-16=-161/264, 16-17=-199/308

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; 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 Corner(3E) -0-11-0 to 3-0-5, Exterior(2N) 3-0-5 to 8-7-14, Corner(3R) 8-7-14 to 16-8-8, Exterior(2N) 16-8-8 to 22-8-8, Corner (3R) 22-8-8 to 30-8-8, Exterior(2N) 30-8-8 to 36-4-11, Corner(3E) 36-4-11 to 40-4-0 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.
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) 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) 35, 34, 36, 37, 38, 40, 41, 42, 43, 33, 32, 29, 28, 27, 26, 23, 23 except (jt=lb) 2=108, 44=185, 25=170, 2=108.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) Attic room checked for L/360 deflection.

Job	Truss	Truss Type	Qty	Ply	HH HUNT / GRAYSON FRMH A RF 3CG
72432400	B1	Truss	1	1	Job Reference (optional)

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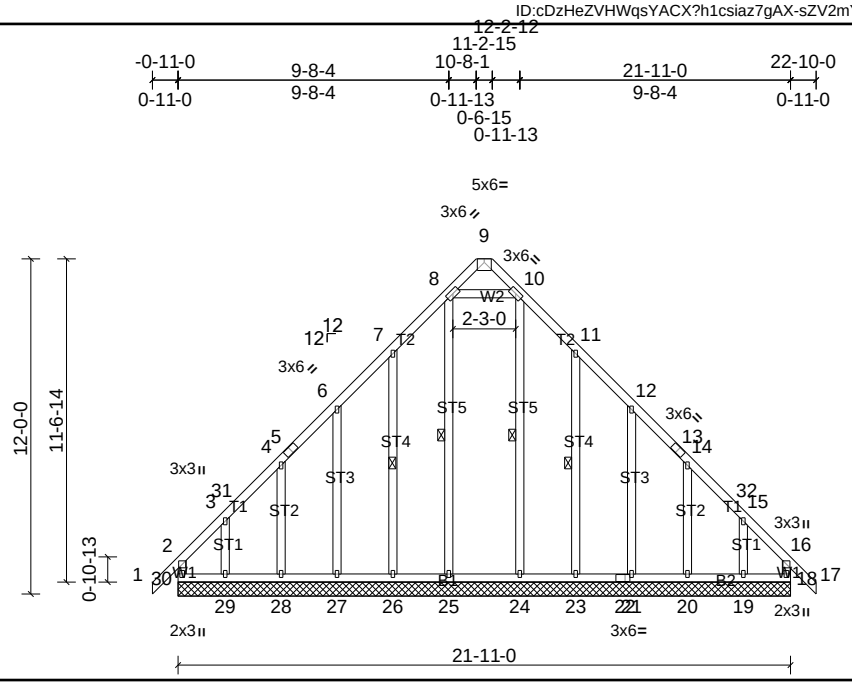

Plate Offsets (X, Y): [22:0-2-0,0-1-8]

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	0.22	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.12	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.12	Horz(CT)	0.01	18	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-SH							Weight: 177 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 or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 8-25, 10-24, 7-26, 11-23

REACTIONS All bearings 21-11-0.

(lb) - Max Horiz 30=-330 (LC 8)

Max Uplift All uplift 100 (lb) or less at joint(s) 20, 28 except 18=-133 (LC 7), 19=-201 (LC 11), 21=-122 (LC 11), 23=-106 (LC 11), 26=-107 (LC 10), 27=-122 (LC 10), 29=-215 (LC 10), 30=-192 (LC 6)

Max Grav All reactions 250 (lb) or less at joint(s) 18, 19, 20, 21, 23, 26, 27, 28 except 24=283 (LC 20), 25=299 (LC 21), 29=260 (LC 18), 30=291 (LC 19)

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

TOP CHORD	2-3=-275/250, 6-7=-147/287, 7-8=-206/393, 10-11=-206/393, 11-12=-147/287
WEBS	8-10=-160/343

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; 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 Corner(3E) -0-11-0 to 2-1-0, Exterior(2N) 2-1-0 to 7-8-4, Corner(3R) 7-8-4 to 14-2-12, Exterior(2N) 14-2-12 to 19-10-0, Corner (3E) 19-10-0 to 22-10-0 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) Truss designed for wind loads in the plane of the truss only.
4) All plates are 1.5x3 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, with BCDL = 10.0psf.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 28, 20 except (jt=lb) 30=191, 18=133, 26=106, 27=122, 29=214, 23=106, 21=122, 19=200.

Job	Truss	Truss Type	Qty	Ply	HH HUNT / GRAYSON FRMH A RF 3CG
72432400	C1	Truss	1	1	Job Reference (optional)

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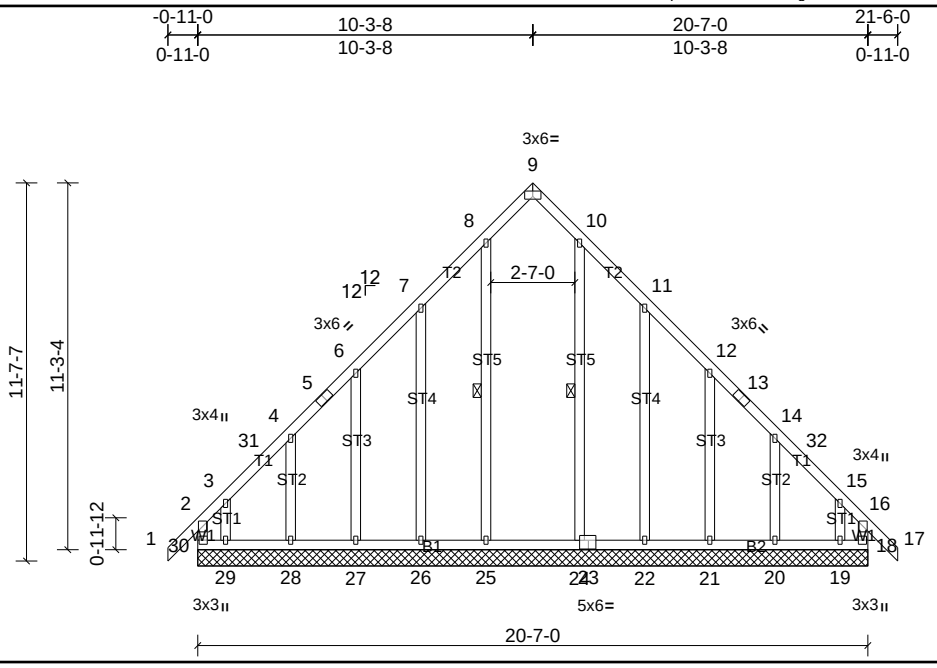

Plate Offsets (X, Y): [9:0-3-0,Edge], [18:0-1-8,Edge], [23:0-2-12,0-0-4], [30:0-1-8,0-0-8]

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	0.42	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.28	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.19	Horz(CT)	0.01	18	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-R							Weight: 159 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 or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 8-25, 10-24

REACTIONS All bearings 20-7-0.

(lb) - Max Horiz 30=319 (LC 9)

Max Uplift All uplift 100 (lb) or less at joint(s) 20, 25, 28 except 18=-242 (LC 9), 19=-461 (LC 11), 21=-110 (LC 11), 22=-154 (LC 11), 26=-151 (LC 10), 27=-111 (LC 10), 29=-470 (LC 10), 30=-272 (LC 8)

Max Grav All reactions 250 (lb) or less at joint(s) 20, 21, 22, 24, 26, 27, 28 except 18=627 (LC 11), 19=267 (LC 9), 25=262 (LC 18), 29=284 (LC 8), 30=643 (LC 10)

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

TOP CHORD 2-30=-440/224, 2-3=-545/271, 3-31=-344/163, 4-31=-329/177, 14-32=-319/162, 15-32=-334/147, 15-16=-532/260, 16-18=-428/209

BOT CHORD 29-30=-157/401, 28-29=-157/401, 27-28=-157/401, 26-27=-157/401, 25-26=-157/401, 24-25=-157/401, 23-24=-157/401, 22-23=-157/401, 21-22=-157/401, 20-21=-157/401, 19-20=-157/401, 18-19=-157/401

WEBS 3-29=-196/275, 15-19=-179/277

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; 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 Corner(3E) -0-11-0 to 2-1-0, Exterior(2N) 2-1-0 to 7-3-8, Corner(3R) 7-3-8 to 13-3-8, Exterior(2N) 13-3-8 to 18-6-0, Corner(3E) 18-6-0 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.
4) All plates are 1.5x3 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, with BCDL = 10.0psf.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 25, 28, 20 except (jt=lb) 30=271, 18=241, 26=151, 27=110, 29=470, 22=154, 21=110, 19=461.

Job	Truss	Truss Type	Qty	Ply	HH HUNT / GRAYSON FRMH A RF 3CG
72432400	C2	Truss	1	1	Job Reference (optional)

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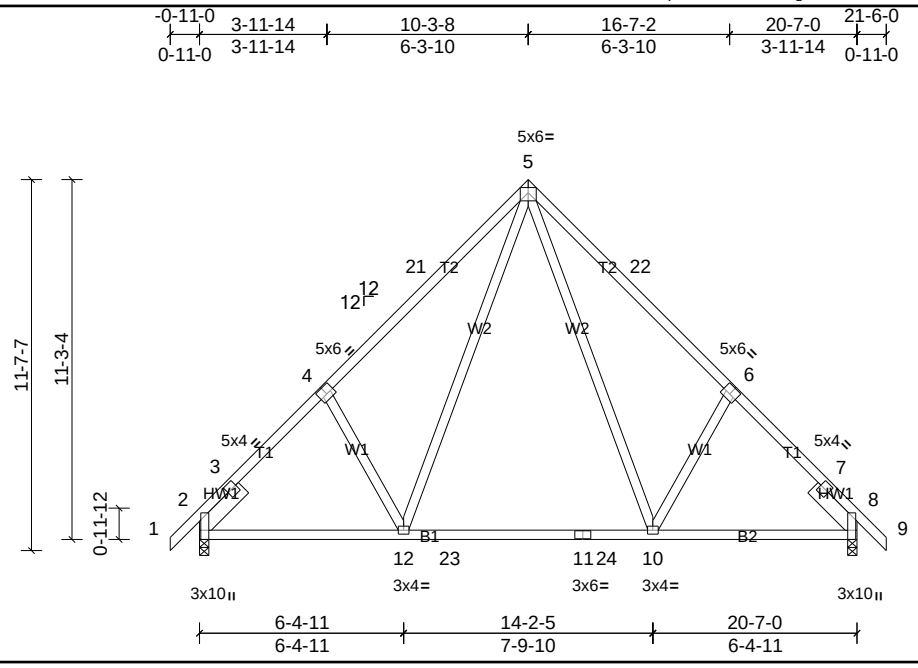

Plate Offsets (X, Y): [2:0-3-8,Edge], [4:0-3-0,0-3-0], [6:0-3-0,0-3-0], [8:0-6-13,Edge]

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	0.70	Vert(LL)	-0.18	10-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.64	Vert(CT)	-0.28	10-12	>870	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.49	Horz(CT)	0.04	8	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MSH							Weight: 136 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 -- 1-11-0, 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=878/0-3-8, (min. 0-1-8), 8=878/0-3-8, (min. 0-1-8)
Max Horiz 2=-290 (LC 8)
Max Uplift 2=-94 (LC 10), 8=-94 (LC 11)
Max Grav 2=970 (LC 18), 8=970 (LC 19)

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

TOP CHORD	2-3=-461/57, 3-4=-1106/165, 4-21=-1175/256, 5-21=-1055/281, 5-22=-1055/281, 6-22=-1175/256, 6-7=-1106/165, 7-8=-283/57
BOT CHORD	2-12=-188/862, 12-23=-12/547, 11-23=-12/547, 11-24=-12/547, 10-24=-12/547, 8-10=-43/788
WEBS	5-12=-190/572, 4-12=-296/309, 5-10=-190/572, 6-10=-296/309

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; 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(2E) -0-11-0 to 2-1-0, Interior (1) 2-1-0 to 7-3-8, Exterior(2R) 7-3-8 to 13-3-8, Interior (1) 13-3-8 to 18-6-0, Exterior(2E) 18-6-0 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 94 lb uplift at joint 2 and 94 lb uplift at joint 8.

Job	Truss	Truss Type	Qty	Ply	HH HUNT / GRAYSON FRMH A RF 3CG
72432400	C3	Truss	3	1	Job Reference (optional)

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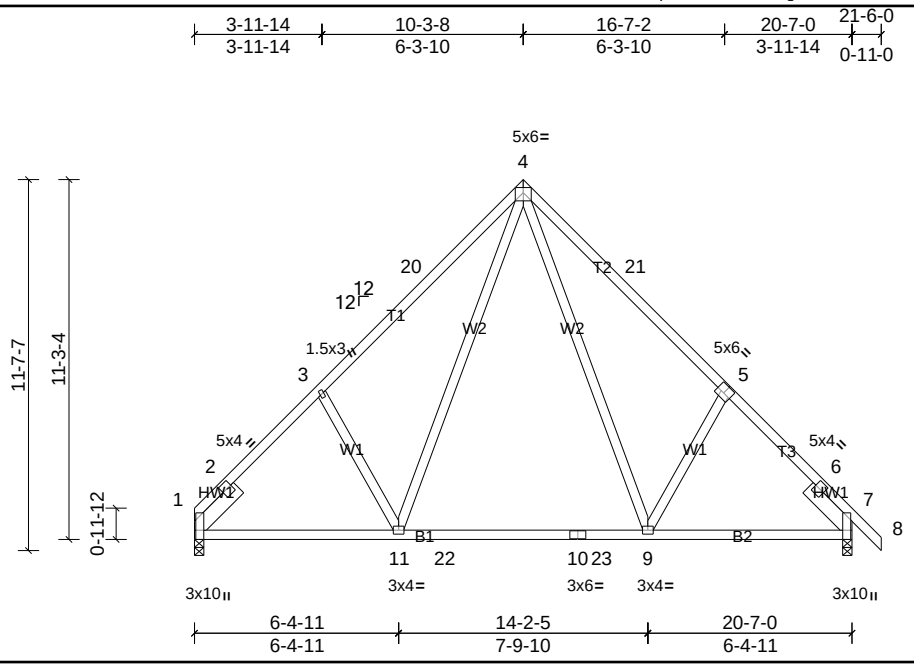

Plate Offsets (X, Y): [1:0-3-8,Edge], [5:0-3-0,0-3-0], [7:0-6-13,Edge], [7:0-0-0,0-0-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.69	Vert(LL)	-0.18	9-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.64	Vert(CT)	-0.28	9-11	>871	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.50	Horz(CT)	0.04	7	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MSH							Weight: 134 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 -- 1-11-0, 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) 1=822/0-3-8, (min. 0-1-8), 7=880/0-3-8, (min. 0-1-8)
Max Horiz 1=-282 (LC 6)
Max Uplift 1=-84 (LC 11), 7=-94 (LC 11)
Max Grav 1=929 (LC 19), 7=971 (LC 19)

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

TOP CHORD	1-2=-502/66, 2-3=-1107/166, 3-20=-1179/258, 4-20=-1060/284, 4-21=-1057/283, 5-21=-1177/257, 5-6=-1105/165, 6-7=-284/57
BOT CHORD	1-11=-184/865, 11-22=-12/548, 10-22=-12/548, 10-23=-12/548, 9-23=-12/548, 7-9=-42/787
WEBS	4-9=-192/574, 5-9=-297/309, 4-11=-193/578, 3-11=-299/309

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; 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(2E) 0-0-0 to 3-0-0, Interior (1) 3-0-0 to 7-3-8, Exterior(2R) 7-3-8 to 13-3-8, Interior (1) 13-3-8 to 18-6-0, Exterior(2E) 18-6-0 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 84 lb uplift at joint 1 and 94 lb uplift at joint 7.

Job	Truss	Truss Type	Qty	Ply	HH HUNT / GRAYSON FRMH A RF 3CG
72432400	C4	Truss	1	**2**	Job Reference (optional)

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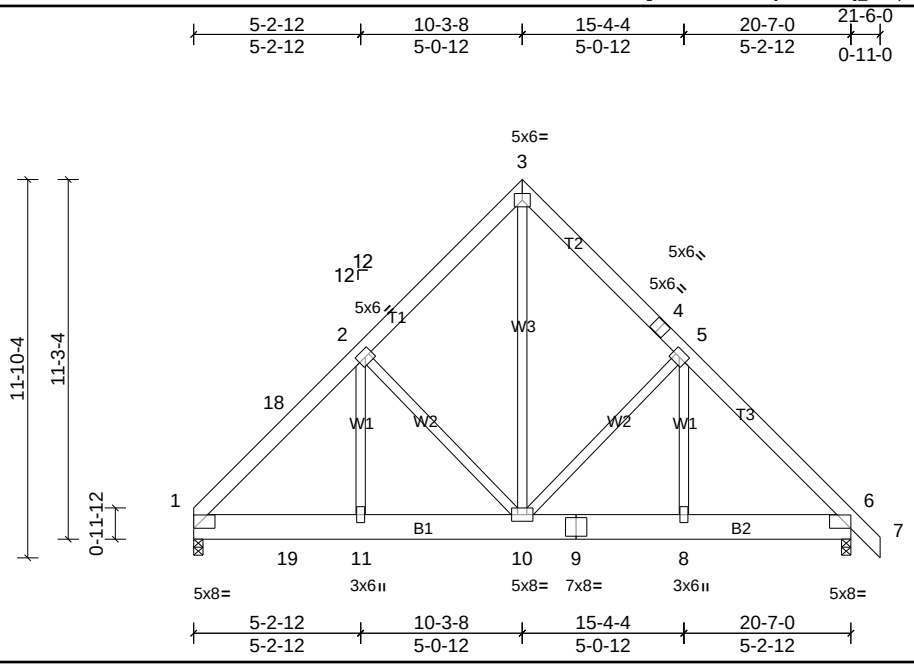


Plate Offsets (X, Y): [1:0-5-6,0-2-8], [6:0-5-6,0-2-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.14	Vert(LL)	0.01	11-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.19	Vert(CT)	-0.02	11-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.15	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MSH							Weight: 408 lb	FT = 20%

LUMBER

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

BRACING

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

REACTIONS (lb/size) 1=1841/0-3-8, (min. 0-1-8), 6=963/0-3-8, (min. 0-1-8)
Max Horiz 1=-282 (LC 4)
Max Uplift 1=-289 (LC 9), 6=-115 (LC 9)

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

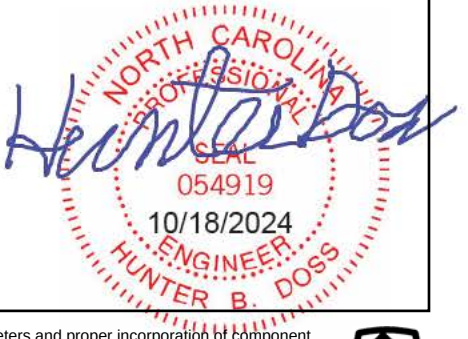
TOP CHORD	1-18=-1607/250, 2-18=-1174/225, 2-3=-813/257, 3-4=-690/256, 4-5=-804/217, 5-6=-1052/176
BOT CHORD	1-19=-213/985, 11-19=-182/985, 10-11=-182/985, 9-10=-32/674, 8-9=-32/674, 6-8=-32/674
WEBS	3-10=-212/703, 5-10=-338/249, 2-10=-643/311, 2-11=-40/517

NOTES

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x10 - 2 rows staggered at 0-9-0 oc.
Web connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 289 lb uplift at joint 1 and 115 lb uplift at joint 6.
8) Magnitude of user added load(s) on this truss have been applied uniformly across all gravity load cases with no adjustments.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 253 lb down and 51 lb up at 2-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
10) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 3-18=-60, 3-7=-60, 12-19=-100 (F=-80), 15-19=-20
Concentrated Loads (lb)
Vert: 19=-250 (F)
Trapezoidal Loads (lb/ft)
Vert: 1=-460-to-13=-403, 13=-403-to-18=-60



Job	Truss	Truss Type	Qty	Ply	HH HUNT / GRAYSON FRMH A RF 3CG
72432400	J1	Truss	10	1	Job Reference (optional)

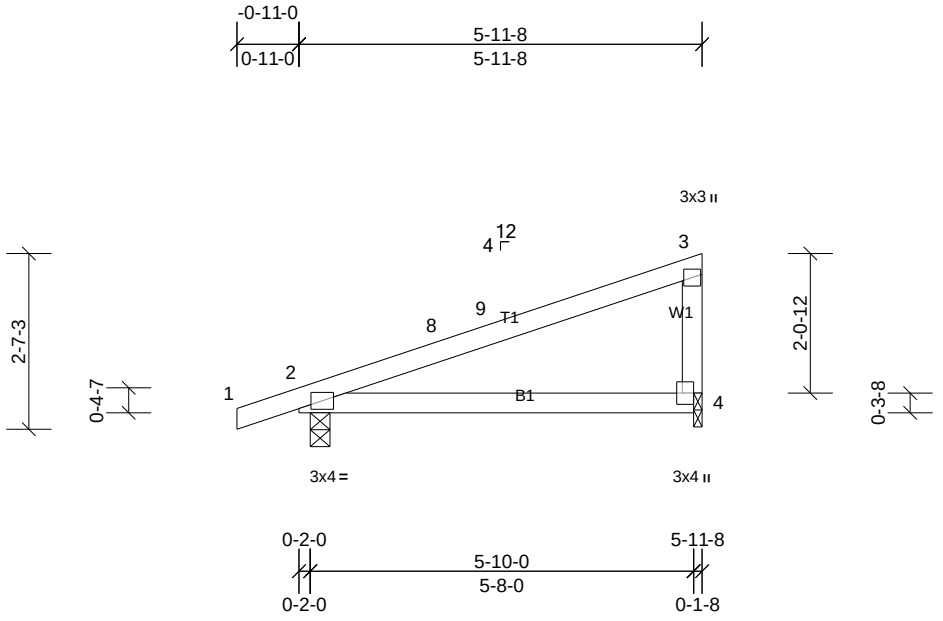


Plate Offsets (X, Y): [4:Edge,0-2-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.40	Vert(LL)	0.06	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.34	Vert(CT)	-0.08	4-7	>861	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MSH							Weight: 22 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 5-11-8 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=292/0-3-8, (min. 0-1-8), 4=228/0-1-8, (min. 0-1-8)
Max Horiz 2=95 (LC 6)
Max Uplift 2=-75 (LC 6), 4=-60 (LC 10)

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

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; 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(2E) -0-11-0 to 2-1-0, Interior (1) 2-1-0 to 2-9-12, Exterior(2E) 2-9-12 to 5-9-12 zone; cantilever left and right exposed ; end vertical left 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) 4 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 at joint(s) 4.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 75 lb uplift at joint 2 and 60 lb uplift at joint 4.

Job	Truss	Truss Type	Qty	Ply	HH HUNT / GRAYSON FRMH A RF 3CG
72432400	MR1	Truss	1	1	Job Reference (optional)

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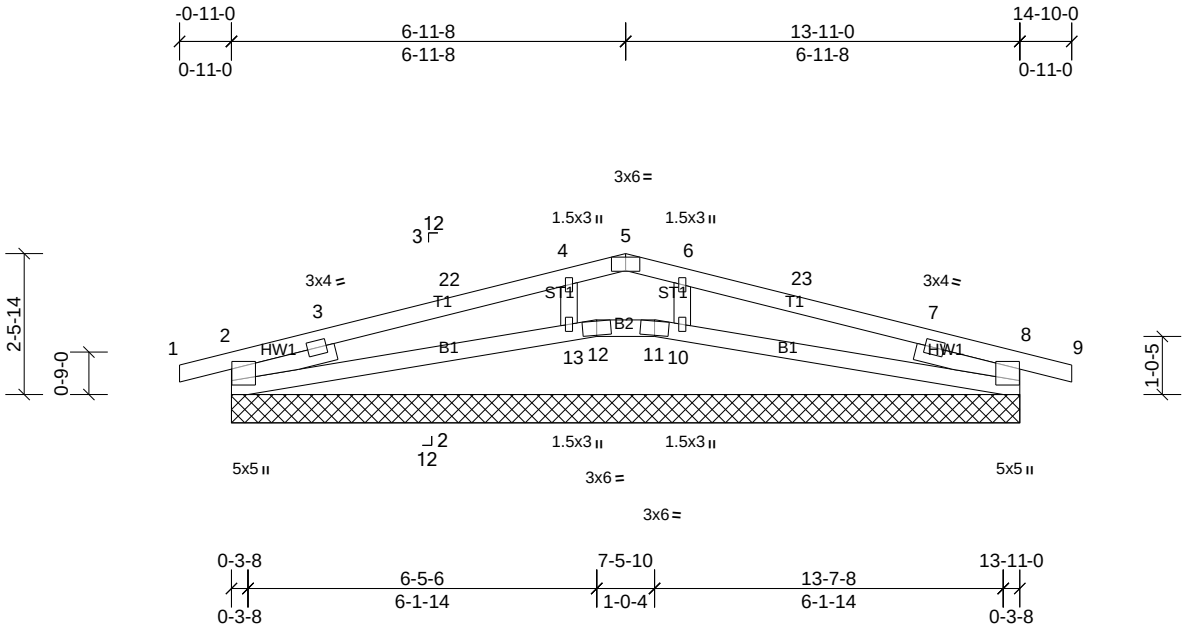

Plate Offsets (X, Y): [2:0-1-10,0-0-1], [5:0-3-0,Edge], [8:0-1-10,0-0-1]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.31	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.30	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.01	2	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MSH							Weight: 53 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
OTHERS	2x4 SP No.3
SLIDER	Left 2x4 SP No.3 -- 1-11-0, Right 2x4 SP No.3 -- 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 13-11-0.

(lb) - Max Horiz 2=-34 (LC 11), 14=-34 (LC 11)

Max Uplift All uplift 100 (lb) or less at joint(s) 2, 8, 10, 13, 14, 18 except 11=-191 (LC 3), 12=-191 (LC 3)

Max Grav All reactions 250 (lb) or less at joint(s) 11, 12 except 2=327 (LC 1), 8=327 (LC 1), 10=526 (LC 25), 13=526 (LC 24), 14=327 (LC 1), 18=327 (LC 1)

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

TOP CHORD 2-3=-255/7, 3-22=-425/273, 4-22=-397/280, 4-5=-402/317, 5-6=-402/317, 6-23=-397/280, 7-23=-425/273

BOT CHORD 2-13=-197/401, 12-13=-181/350, 11-12=-186/382, 10-11=-181/350, 8-10=-197/401

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; 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 Corner(3E) -0-11-0 to 2-1-0, Exterior(2N) 2-1-0 to 3-11-8, Corner(3R) 3-11-8 to 9-11-8, Exterior(2N) 9-11-8 to 11-10-0, Corner (3E) 11-10-0 to 14-10-0 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) 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) 2, 8, 13, 10, 2, 8 except (jt=lb) 12=191, 11=191.
9) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 12, 11, 13, 10.

Job	Truss	Truss Type	Qty	Ply	HH HUNT / GRAYSON FRMH A RF 3CG
72432400	MR2	Truss	4	1	Job Reference (optional)

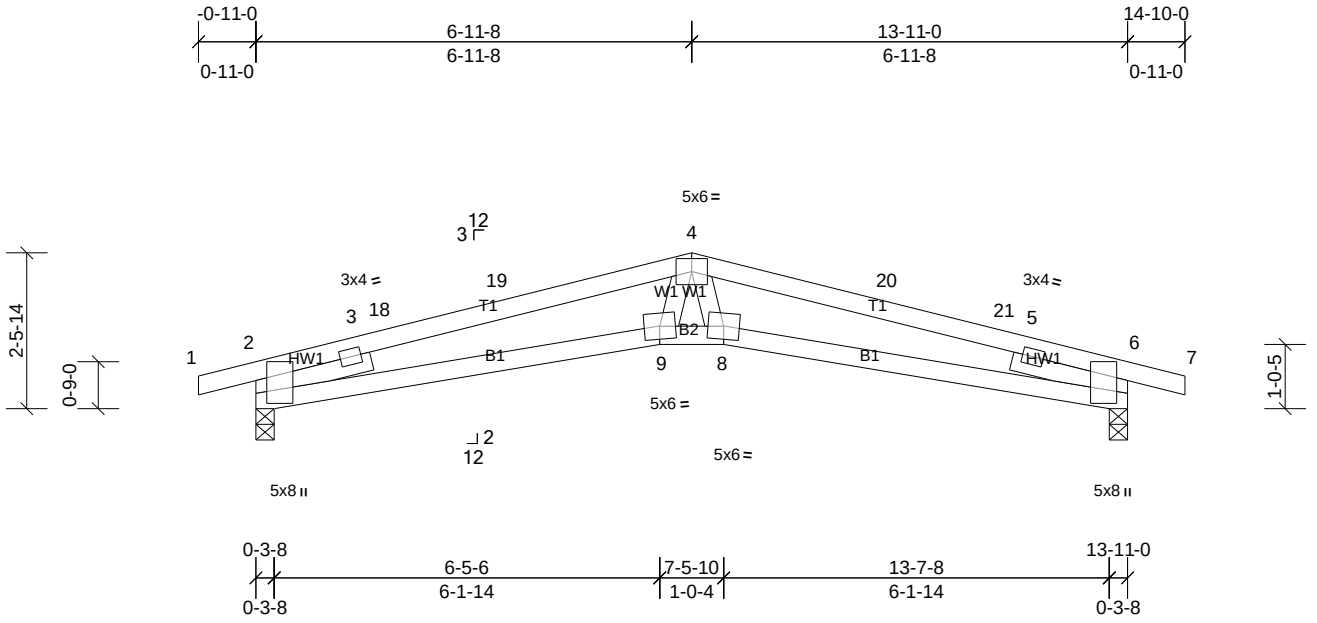

Plate Offsets (X, Y): [2:0-3-10,0-2-1], [6:0-3-10,0-2-1]

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	0.71	Vert(LL)	-0.13	8-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.70	Vert(CT)	-0.27	8-9	>610	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.11	6	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MSH							Weight: 54 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 -- 1-11-0, Right 2x4 SP No.3 -- 1-11-0

BRACING

TOP CHORD	Structural wood sheathing directly applied or 2-10-13 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 7-2-0 oc bracing.

REACTIONS (lb/size) 2=612/0-3-8, (min. 0-1-8), 6=612/0-3-8, (min. 0-1-8)
Max Horiz 2=-34 (LC 11)
Max Uplift 2=-126 (LC 6), 6=-126 (LC 7)

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

TOP CHORD	2-3=-655/104, 3-18=-1916/768, 18-19=-1911/775, 4-19=-1876/783, 4-20=-1876/783, 20-21=-1911/775, 5-21=-1916/768, 5-6=-544/57
BOT CHORD	2-9=-681/1831, 8-9=-636/1663, 6-8=-681/1831
WEBS	4-8=-76/372, 4-9=-76/372

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; 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(2E) -0-11-0 to 2-1-0, Interior (1) 2-1-0 to 3-11-8, Exterior(2R) 3-11-8 to 9-11-8, Interior (1) 9-11-8 to 11-10-0, Exterior(2E) 11-10-0 to 14-10-0 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) 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) 2, 6 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 126 lb uplift at joint 2 and 126 lb uplift at joint 6.

Job	Truss	Truss Type	Qty	Ply	HH HUNT / GRAYSON FRMH A RF 3CG
72432400	PB1	Truss	2	1	Job Reference (optional)

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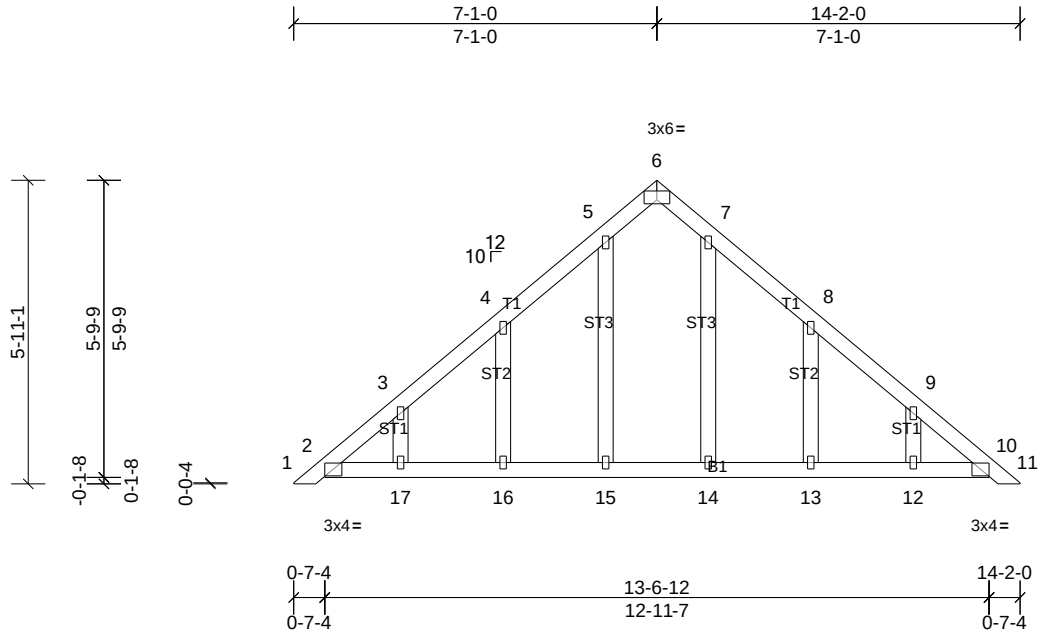

Plate Offsets (X, Y): [2:0-2-1,0-1-8], [6:0-3-0,Edge], [7:0-0-0,Edge], [8:0-0-0,Edge], [9:0-0-0,Edge], [10:0-2-1,0-1-8]

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	0.05	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.04	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MSH							Weight: 71 lb	FT = 20%

LUMBER

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

BRACING

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

REACTIONS All bearings 12-11-7.

(lb) - Max Horiz 2=-148 (LC 8), 18=-148 (LC 8)

Max Uplift All uplift 100 (lb) or less at joint(s) 2, 10, 12, 14, 15, 17, 18, 22 except 13=-104 (LC 11), 16=-101 (LC 10)

Max Grav All reactions 250 (lb) or less at joint(s) 2, 10, 12, 13, 14, 15, 16, 17, 18, 22

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 7-16; 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(2E) 0-2-14 to 3-2-14, Interior (1) 3-2-14 to 4-1-5, Exterior(2R) 4-1-5 to 10-1-5, Interior (1) 10-1-5 to 10-11-11, Exterior (2E) 10-11-11 to 13-11-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only.
4) All plates are 1.5x3 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, 10, 15, 14, 17, 12, 2, 10 except (jt=lb) 16=101, 13=103.
10) See standard piggyback truss connection detail for connection to base truss.

Job	Truss	Truss Type	Qty	Ply	HH HUNT / GRAYSON FRMH A RF 3CG
72432400	PB2	Truss	19	1	Job Reference (optional)

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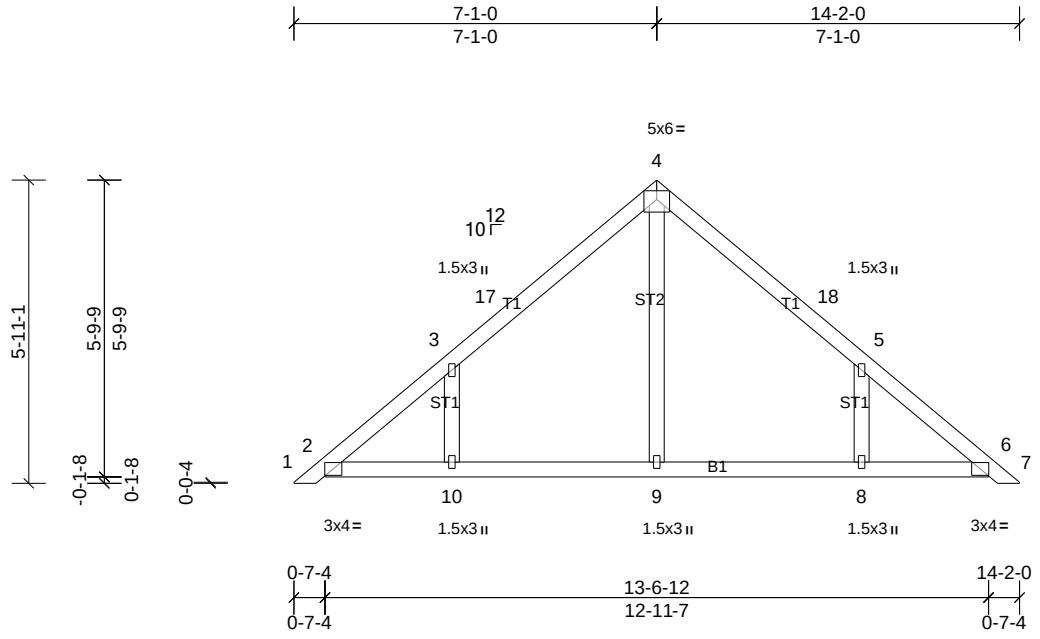


Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.18	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.12	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.09	Horiz(TL)	0.00	6	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MSH							Weight: 60 lb	FT = 20%

LUMBER

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

BRACING

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

REACTIONS All bearings 14-2-10.

(lb) - Max Horiz 1=-148 (LC 6)

Max Uplift All uplift 100 (lb) or less at joint(s) 2, 7, 11 except 1=-117 (LC 8), 8=-181 (LC 11), 10=-181 (LC 10)

Max Grav All reactions 250 (lb) or less at joint(s) 1, 2, 6, 7, 9, 11, 14 except 8=338 (LC 19), 10=338 (LC 18)

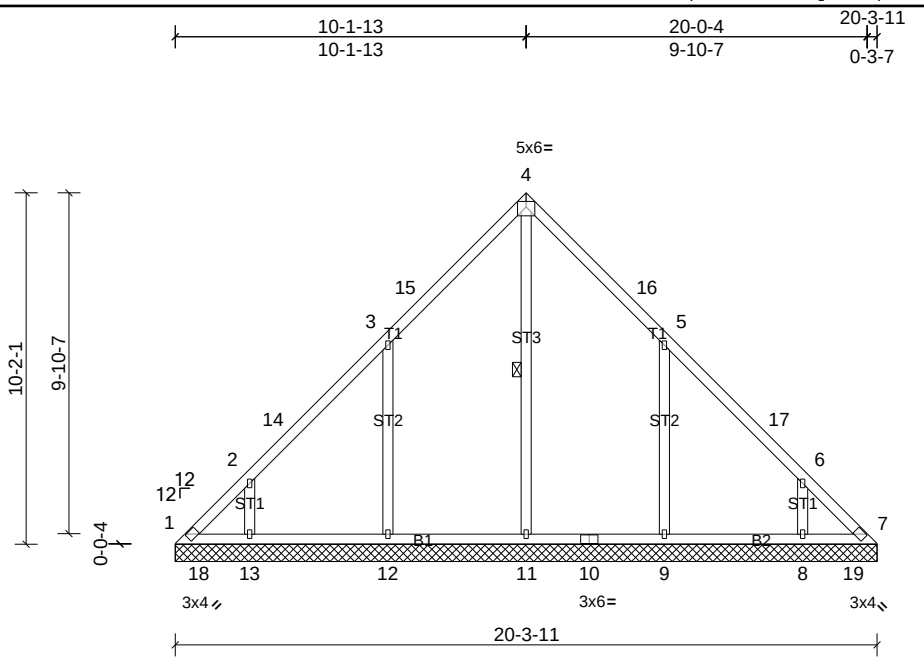
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

WEBS 3-10=-307/219, 5-8=-306/219

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; 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(2E) 0-2-14 to 3-1-5, Interior (1) 3-1-5 to 4-1-5, Exterior(2R) 4-1-5 to 10-1-5, Interior (1) 10-1-5 to 10-11-11, Exterior(2E) 10-11-11 to 13-11-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only.
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) 7, 2, 2 except (jt=lb) 1=117, 10=180, 8=180.
9) See standard piggyback truss connection detail for connection to base truss.

Job	Truss	Truss Type	Qty	Ply	HH HUNT / GRAYSON FRMH A RF 3CG
72432400	V1	Truss	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	1.15	TC	0.20	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.17	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.23	Horiz(TL)	0.01	7	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-SH							Weight: 107 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 4-11

REACTIONS All bearings 20-3-11.

(lb) - Max Horiz 1=254 (LC 7)

Max Uplift All uplift 100 (lb) or less at joint(s) 7 except 1=-116 (LC 8), 8=-186 (LC 11), 9=-254 (LC 11), 12=-255 (LC 10), 13=-186 (LC 10)

Max Grav All reactions 250 (lb) or less at joint(s) 1, 7 except 8=347 (LC 19), 9=493 (LC 19), 11=391 (LC 21), 12=494 (LC 18), 13=347 (LC 18)

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

TOP CHORD 1-2=-335/213, 6-7=-295/153

WEBS 3-12=-361/304, 2-13=-274/226, 5-9=-361/303, 6-8=-274/226

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; 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(2E) 0-4-4 to 3-4-4, Interior (1) 3-4-4 to 7-2-1, Exterior(2R) 7-2-1 to 13-2-1, Interior (1) 13-2-1 to 16-11-15, Exterior(2E) 16-11-15 to 19-11-15 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are 1.5x3 MT20 unless otherwise indicated.
4) Gable requires continuous bottom chord bearing.
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 100 lb uplift at joint(s) 7 except (jt=lb) 1=116, 12=254, 13=185, 9=254, 8=185.

Job	Truss	Truss Type	Qty	Ply	HH HUNT / GRAYSON FRMH A RF 3CG
72432400	V2	Truss	1	1	Job Reference (optional)

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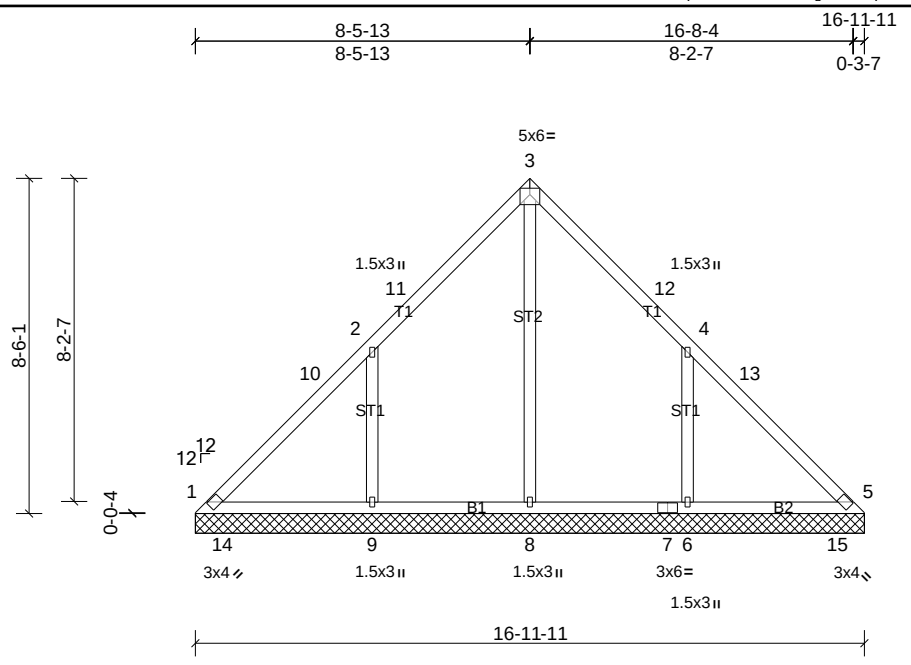


Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.24	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.18	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.20	Horiz(TL)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-SH							Weight: 83 lb	FT = 20%

LUMBER

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

BRACING

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

REACTIONS All bearings 16-11-11.

(lb) - Max Horiz 1=-211 (LC 6)

Max Uplift All uplift 100 (lb) or less at joint(s) 1 except 6=-283 (LC 11), 9=-283 (LC 10)

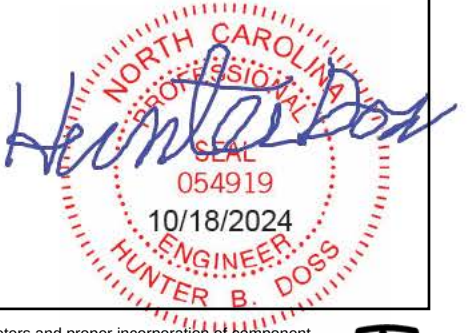
Max Grav All reactions 250 (lb) or less at joint(s) 1, 5 except 6=546 (LC 19), 8=355 (LC 21), 9=547 (LC 18)

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

WEBS 2-9=-385/313, 4-6=-385/313

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; 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(2E) 0-4-4 to 3-4-4, Interior (1) 3-4-4 to 5-6-1, Exterior(2R) 5-6-1 to 11-6-1, Interior (1) 11-6-1 to 13-7-15, Exterior(2E) 13-7-15 to 16-7-15 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 9=283, 6=283.



Job	Truss	Truss Type	Qty	Ply	HH HUNT / GRAYSON FRMH A RF 3CG
72432400	V3	Truss	1	1	Job Reference (optional)

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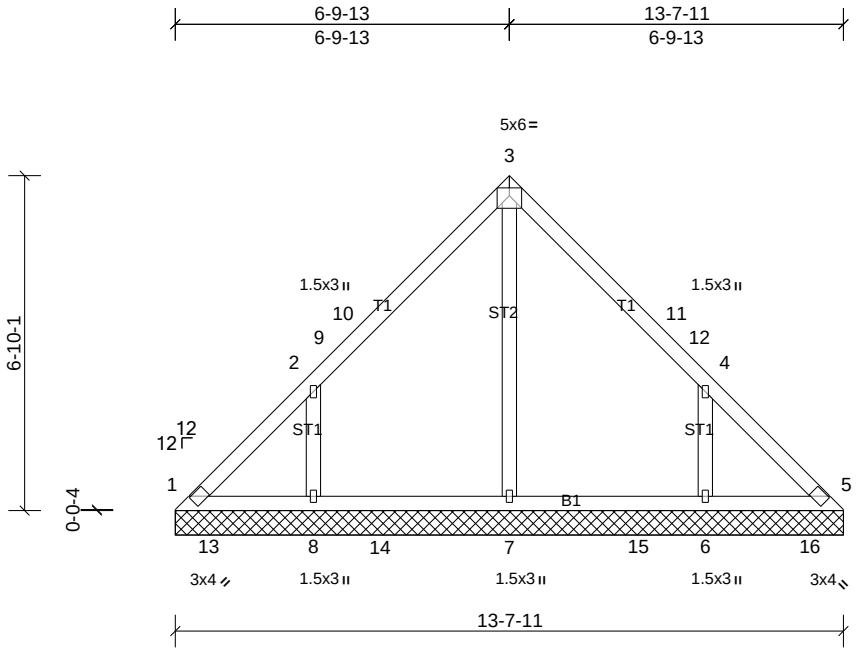


Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.18	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.17	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horiz(TL)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-SH							Weight: 64 lb	FT = 20%

LUMBER

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

BRACING

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

REACTIONS All bearings 13-7-11.

(lb) - Max Horiz 1=168 (LC 7)

Max Uplift All uplift 100 (lb) or less at joint(s) 1, 5 except 6=-230 (LC 11), 8=-230 (LC 10)

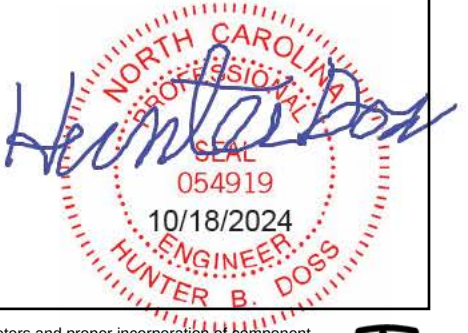
Max Grav All reactions 250 (lb) or less at joint(s) 1, 5 except 6=423 (LC 19), 7=347 (LC 21), 8=423 (LC 18)

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

WEBS 2-8=-333/272, 4-6=-333/272

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; 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(2E) 0-4-4 to 3-4-4, Interior (1) 3-4-4 to 3-10-1, Exterior(2R) 3-10-1 to 9-10-1, Interior (1) 9-10-1 to 10-3-15, Exterior(2E) 10-3-15 to 13-3-15 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 8=229, 6=229.



Job	Truss	Truss Type	Qty	Ply	HH HUNT / GRAYSON FRMH A RF 3CG
72432400	V4	Truss	1	1	Job Reference (optional)

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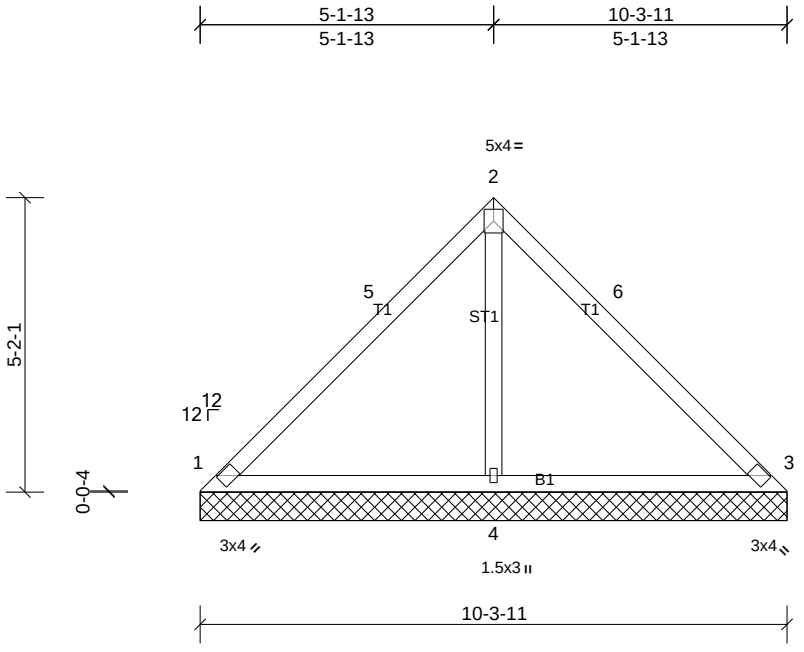

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.30	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.27	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.09	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-SH							Weight: 42 lb	FT = 20%

LUMBER

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

BRACING

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

REACTIONS (lb/size) 1=209/10-3-11, (min. 0-1-8), 3=209/10-3-11, (min. 0-1-8), 4=353/10-3-11, (min. 0-1-8)
Max Horiz 1=-125 (LC 6)
Max Uplift 1=-38 (LC 11), 3=-38 (LC 11), 4=-26 (LC 10)

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

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; 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(2E) 0-4-4 to 3-4-4, Exterior(2R) 3-4-4 to 6-11-15, Exterior(2E) 6-11-15 to 9-11-15 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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 38 lb uplift at joint 1, 38 lb uplift at joint 3 and 26 lb uplift at joint 4.

Job	Truss	Truss Type	Qty	Ply	HH HUNT / GRAYSON FRMH A RF 3CG
72432400	V5	Truss	1	1	Job Reference (optional)

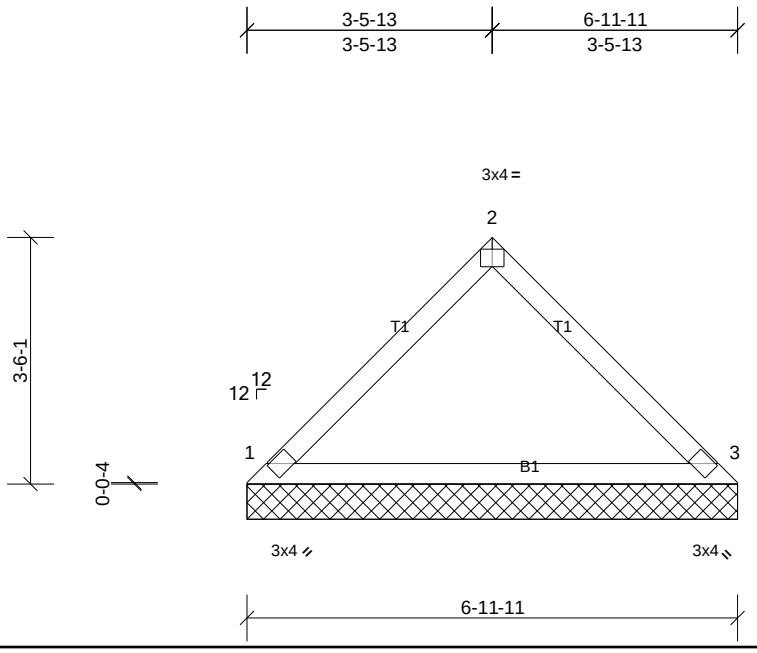

Plate Offsets (X, Y): [2:0-2-0,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.21	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.30	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-SH							Weight: 24 lb	FT = 20%

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

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

REACTIONS (lb/size) 1=252/6-11-11, (min. 0-1-8), 3=252/6-11-11, (min. 0-1-8)
Max Horiz 1=-82 (LC 6)
Max Uplift 1=-24 (LC 10), 3=-24 (LC 11)

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 7-16; 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(2E) 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 24 lb uplift at joint 1 and 24 lb uplift at joint 3.

Job	Truss	Truss Type	Qty	Ply	HH HUNT / GRAYSON FRMH A RF 3CG
72432400	V6	Truss	1	1	Job Reference (optional)

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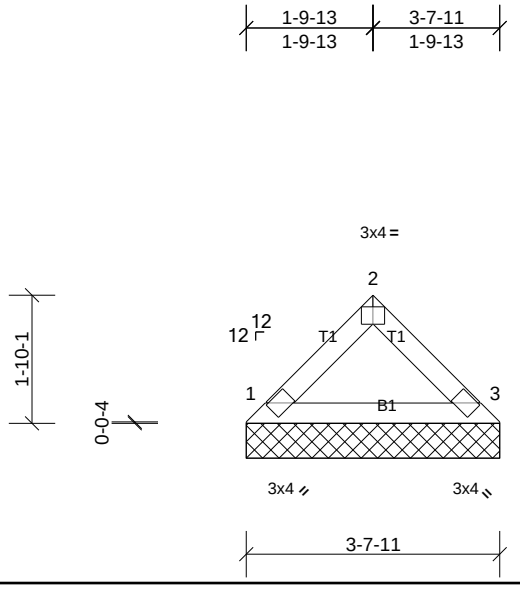

Plate Offsets (X, Y): [2:0-2-0,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.07	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	IRC2021/TPI2014	Matrix-P							Weight: 12 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 3-8-3 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=119/3-7-11, (min. 0-1-8), 3=119/3-7-11, (min. 0-1-8)
Max Horiz 1=-38 (LC 6)
Max Uplift 1=-11 (LC 10), 3=-11 (LC 10)

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

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; 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(2E) 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 11 lb uplift at joint 1 and 11 lb uplift at joint 3.