Job	Truss	Truss Type	Qty	Ply	HH Hunt - GRAYSON FRMH A RF 3CG 3RD FL
72432972	3CG1	Truss	1	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Gina Tolley — Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Wed Oct 23 09:55:50 — Page: 1

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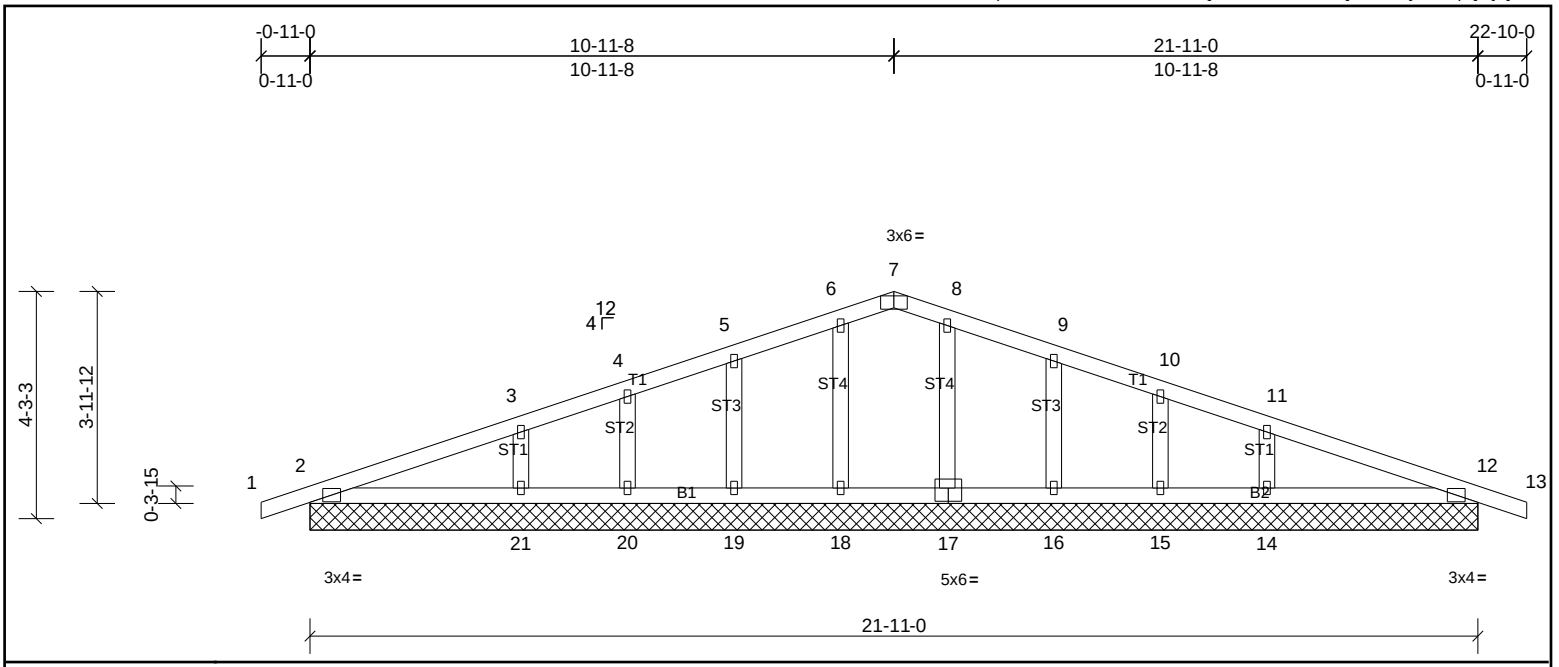


Plate Offsets (X, Y): [7:0-3-0,Edge], [17:0-3-0,0-3-0]

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

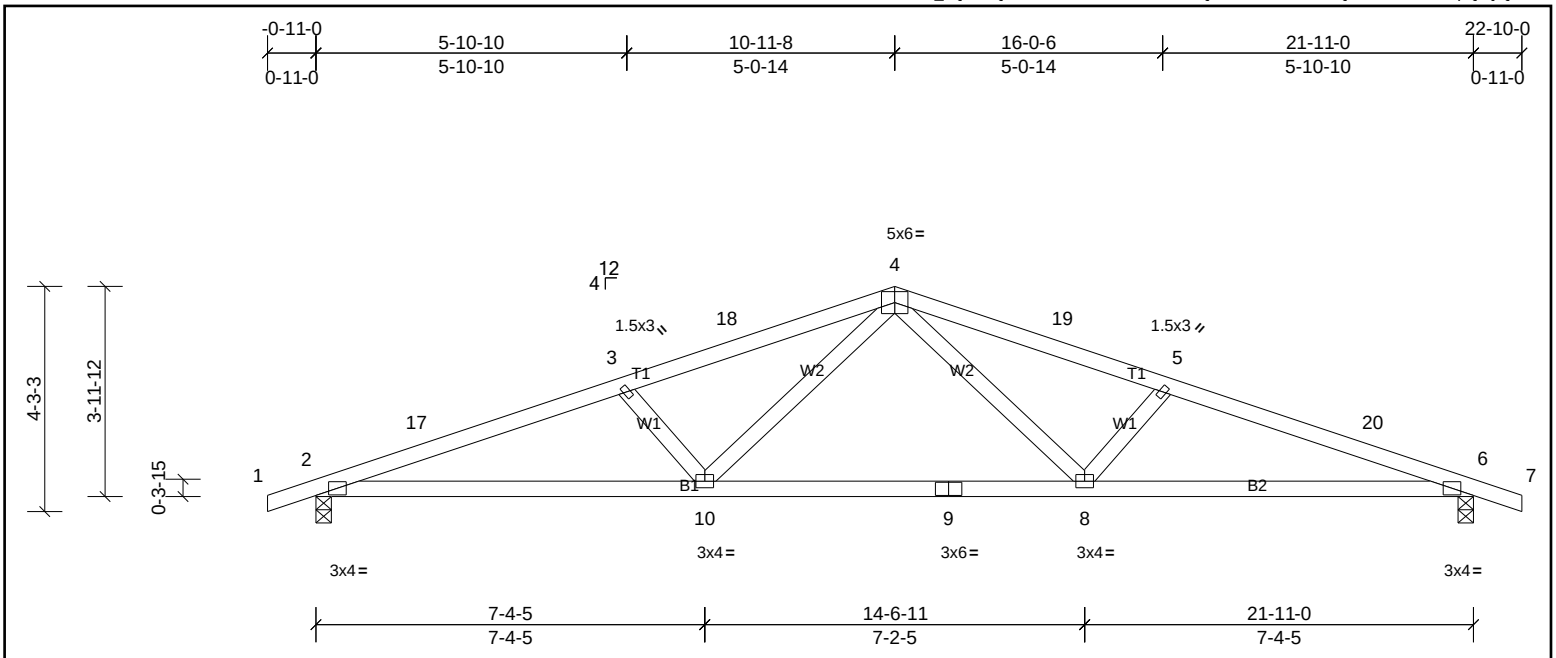
Max Grav All reactions 250 (lb) or less at joint(s) 2, 12, 15, 16, 17, 18, 19, 20, 22, 26 except 14=309 (LC 25), 21=310 (LC 24)

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 3RD FL
72432972	3CG2	Truss	5	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	0.39	Vert(LL)	-0.10	8-16	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.71	Vert(CT)	-0.22	8-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.26	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 3-7-9 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 9-0-13 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	2-17=-2141/514, 3-17=-2119/528, 3-18=-1936/472, 4-18=-1890/483, 4-19=-1890/483, 5-19=-1936/472, 5-20=-2119/528, 6-20=-2141/514
BOT CHORD	2-10=-419/2002, 9-10=-243/1316, 8-9=-243/1316, 6-8=-419/2002
WEBS	4-8=-94/638, 5-8=-382/190, 4-10=-93/638, 3-10=-382/189

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 3RD FL
72432972	A1	Truss	1	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Gina Tolley — Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Wed Oct 23 09:55:50 — Page: 1

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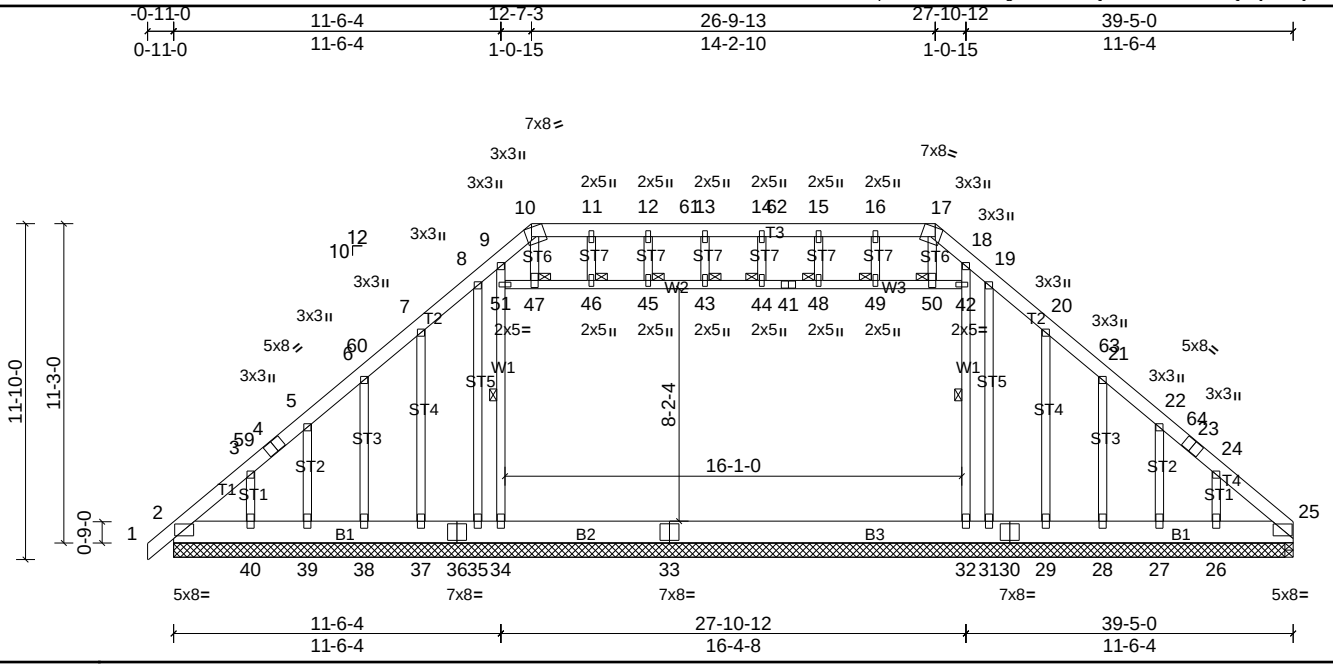

Plate Offsets (X, Y): [10:0-2-2,Edge], [17:0-2-2,Edge]

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	0.65	Vert(LL)	-0.10	32-34	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.55	Vert(CT)	-0.16	32-34	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.75	Horz(CT)	0.02	25	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MSH							Weight: 414 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 5-8-12 oc purlins, except 2-0-0 oc purlins (5-7-10 max.): 10-17.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 9-34, 18-32
JOINTS	1 Brace at Jt(s): 43, 44, 45, 46, 47, 48, 49, 50

REACTIONS All bearings 39-5-0.

(lb) - Max Horiz 2=285 (LC 7), 52=285 (LC 7)

Max Uplift All uplift 100 (lb) or less at joint(s) 27, 29, 37, 39 except 2=-356 (LC 6), 25=-334 (LC 7), 26=-133 (LC 11), 28=-104 (LC 11), 31=-1993 (LC 16), 35=-1993 (LC 16), 38=-104 (LC 10), 40=-123 (LC 10), 52=-356 (LC 6)

Max Grav All reactions 250 (lb) or less at joint(s) 27, 28, 31, 35, 38, 39 except 2=871 (LC 1), 25=805 (LC 1), 26=278 (LC 20), 29=310 (LC 20), 32=2414 (LC 16), 34=2414 (LC 16), 37=306 (LC 19), 40=263 (LC 19), 52=871 (LC 1)

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

TOP CHORD 2-3=-1115/589, 3-59=-1118/566, 4-59=-1086/567, 4-5=-1059/580, 5-6=-1118/574, 6-60=-1130/559, 7-60=-1088/573, 7-8=-1098/546, 8-9=-907/454, 9-10=-1177/536, 10-11=-948/448, 11-12=-944/447, 12-61=-944/447, 13-61=-944/447, 13-14=-944/447, 14-62=-944/447, 15-62=-944/447, 15-16=-944/447, 16-17=-948/448, 17-18=-1177/534, 18-19=-907/413, 19-20=-1098/508, 20-63=-1088/539, 21-63=-1130/525, 21-22=-1117/540, 22-64=-1059/546, 23-64=-1080/539, 23-24=-1119/532, 24-25=-1114/555

BOT CHORD 2-40=-423/829, 39-40=-423/829, 38-39=-423/829, 37-38=-423/829, 36-37=-423/829, 35-36=-423/829, 34-35=-423/829, 33-34=-421/825, 32-33=-421/825, 31-32=-423/829, 30-31=-423/829, 29-30=-423/829, 28-29=-423/829, 27-28=-423/829, 26-27=-423/829, 25-26=-423/829

WEBS 9-51=-435/198, 18-42=-435/165, 10-47=-194/418, 8-35=-153/266, 17-50=-195/418, 19-31=-159/266

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) -0-10-13 to 3-0-8, Interior (1) 3-0-8 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 3x6 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, with BCDL = 10.0psf.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 37, 39, 29, 27 except (jt=lb) 2=355, 25=333, 35=1992, 38=103, 40=123, 31=1992, 28=104, 26=133, 2=355.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
11) This truss has large uplift reaction(s) from gravity load case(s). Proper connection is required to secure truss against upward movement at the bearings. Building designer must provide for uplift reactions indicated.
12) Attic room checked for L/360 deflection.

Job	Truss	Truss Type	Qty	Ply	HH Hunt - GRAYSON FRMH A RF 3CG 3RD FL
72432972	A2	Truss	10	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Gina Tolley — Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Wed Oct 23 09:55:51 — Page: 1

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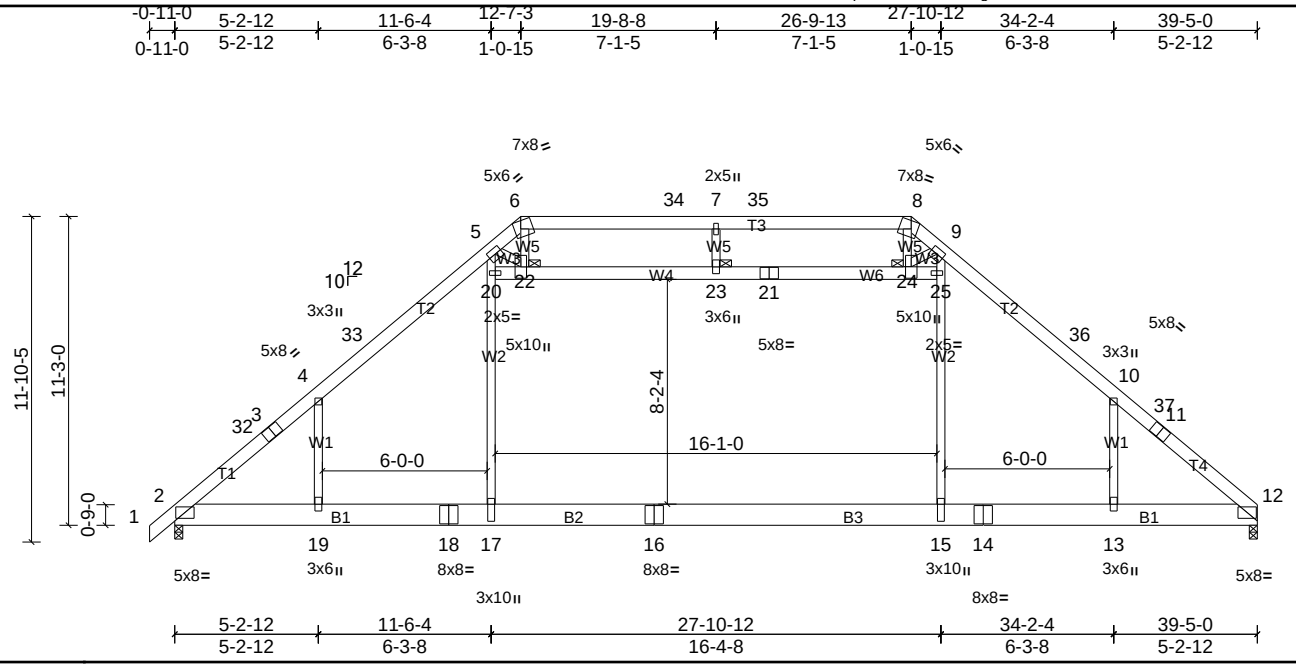

Plate Offsets (X, Y): [6:0-2-12,Edge], [8:0-2-12,Edge], [15:0-7-8,0-1-8], [17:0-7-8,0-1-8]

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	0.52	Vert(LL)	-0.34	15-17	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.82	Vert(CT)	-0.42	15-17	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.47	Horz(CT)	0.05	12	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MSH		Attic	-0.25	15-17	>792	360	Weight: 355 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x10 SP No.2 *Except* B2,B3:2x10 SP 2400F 2.0E
WEBS	2x4 SP No.3 *Except* W2,W1:2x4 SP No.2, W4,W6:2x6 SP No.2

BRACING

TOP CHORD	Structural wood sheathing directly applied or 3-9-14 oc purlins, except 2-0-0 oc purlins (4-10-6 max.): 6-8.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS	1 Brace at Jt(s): 22, 23, 24

REACTIONS (lb/size) 2=1714/0-3-8, (min. 0-2-13), 12=1658/0-3-8, (min. 0-2-12)
Max Horiz 2=286 (LC 9)
Max Uplift 2=-111 (LC 10), 12=-89 (LC 11)
Max Grav 2=2377 (LC 2), 12=2330 (LC 2)

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

TOP CHORD 2-32=-3361/90, 3-32=-3303/91, 3-4=-3286/108, 4-33=-3433/243, 5-33=-3367/278, 5-6=-2344/360, 6-34=-1943/299, 7-34=-1943/299, 7-35=-1943/299, 8-35=-1943/299, 8-9=-2354/361, 9-36=-3367/278, 10-36=-3431/243, 10-37=-3274/106, 11-37=-3287/93, 11-12=-3362/88

BOT CHORD 2-19=-66/2510, 18-19=-40/2510, 17-18=-40/2510, 16-17=-33/2509, 15-16=-33/2509, 14-15=-25/2510, 13-14=-25/2510, 12-13=-25/2510

WEBS 17-20=0/1503, 5-20=-119/1189, 15-25=0/1497, 9-25=-115/1162, 22-23=-859/155, 21-23=-861/154, 21-24=-852/154, 4-19=-345/269, 10-13=-341/268, 6-22=-172/1114, 7-23=-280/173, 8-24=-174/1134, 5-22=-1082/239, 9-24=-1081/239

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.
6) Ceiling dead load (5.0 psf) on member(s). 20-22, 22-23, 23-24, 24-25
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 17-19, 15-17, 13-15
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 111 lb uplift at joint 2 and 89 lb uplift at joint 12.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) Attic room checked for L/360 deflection.

Job	Truss	Truss Type	Qty	Ply	HH Hunt - GRAYSON FRMH A RF 3CG 3RD FL
72432972	A3	Truss	2	**2**	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Gina Tolley — Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Wed Oct 23 09:55:52 — Page: 1

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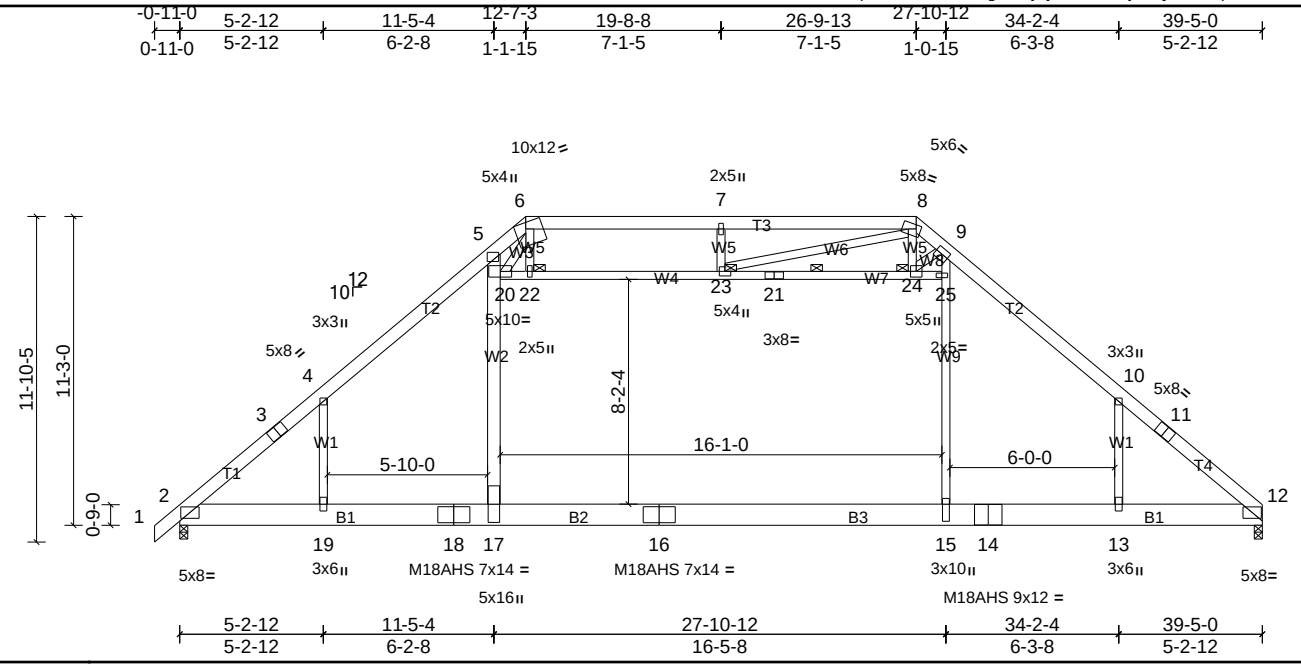

Plate Offsets (X, Y): [5:0-1-6,0-0-3], [6:0-4-12,Edge], [8:0-2-0,0-1-12], [15:0-7-8,0-1-8]

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	0.96	Vert(LL)	0.42	17-19	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.67	Vert(CT)	-0.74	17-19	>638	180	M18AHS	186/179
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.93	Horz(CT)	0.04	12	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MSH		Attic	-0.36	15-17	>542	360	Weight: 721 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x10 SP 2400F 2.0E
WEBS	2x4 SP No.2 *Except* W2:2x6 SP No.1, W5,W8,W6:2x4 SP No.3

REACTIONS (lb/size) 2=4154/0-3-8, (min. 0-2-0), 12=2998/0-3-8, (min. 0-1-8)
Max Horiz 2=286 (LC 5)
Max Uplift 2=-612 (LC 8), 12=-365 (LC 9)
Max Grav 2=4768 (LC 16), 12=3602 (LC 17)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 3-10-14 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 6-8.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 23-24
JOINTS	1 Brace at Jt(s): 22, 23, 24

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

TOP CHORD	2-3=-6127/650, 3-4=-6052/662, 4-5=-6172/778, 5-6=-7415/1260, 6-7=-3849/819, 7-8=-3849/819, 8-9=-2725/396, 9-10=-5629/678, 10-11=-5551/587, 11-12=-5681/572
BOT CHORD	2-19=-537/4710, 18-19=-537/4710, 17-18=-537/4710, 16-17=-461/4381, 15-16=-461/4381, 14-15=-446/4346, 13-14=-446/4346, 12-13=-446/4346
WEBS	17-20=-440/3900, 5-20=-424/334, 15-25=-252/2900, 9-25=-238/2682, 20-22=-647/328, 22-23=-663/327, 21-23=-2495/525, 21-24=-2524/529, 24-25=-358/154, 6-22=-311/144, 7-23=-411/189, 8-24=-244/1488, 4-19=-503/323, 10-13=-331/280, 9-24=-2620/515, 6-20=-1038/5269, 8-23=-678/2311

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: 2x6 - 2 rows staggered at 0-9-0 oc, 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) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
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) Ceiling dead load (5.0 psf) on member(s). 20-22, 22-23, 23-24, 24-25
10) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 17-19, 15-17, 13-15
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 612 lb uplift at joint 2 and 365 lb uplift at joint 12.
12) Magnitude of user added load(s) on this truss have been applied uniformly across all gravity load cases with no adjustments.
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
14) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2655 lb down and 538 lb up at 11-6-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
15) 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: 1-6=-60, 6-8=-60, 8-12=-60, 19-26=-20, 17-19=-60, 13-17=-60 (F=-40), 13-29=-20, 20-22=-10, 22-23=-10, 21-23=-10, 21-24=-10, 24-25=-10
Concentrated Loads (lb)
Vert: 17=-2625 (F)

Job	Truss	Truss Type	Qty	Ply	HH Hunt - GRAYSON FRMH A RF 3CG 3RD FL
72432972	A4	Truss	5	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Gina Tolley — Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Wed Oct 23 09:55:52 — Page: 1

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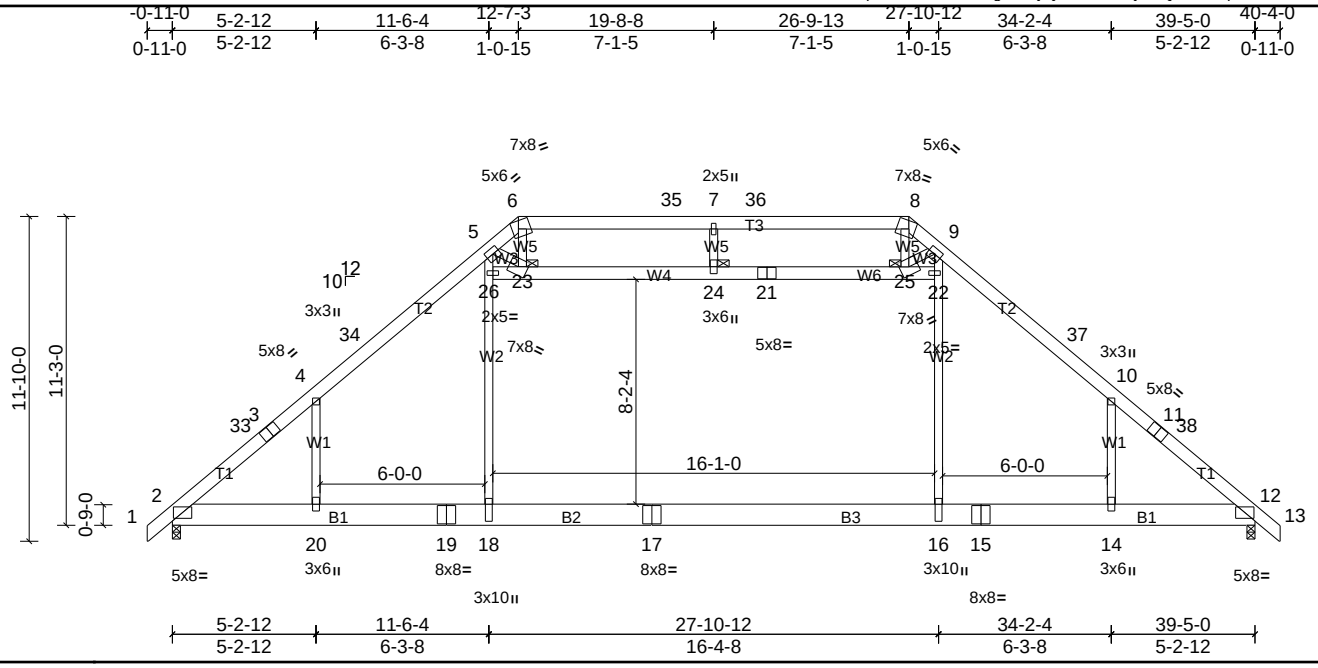

Plate Offsets (X, Y): [6:0-2-12,Edge], [8:0-2-12,Edge], [16:0-7-8,0-1-8], [18:0-7-8,0-1-8]

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	0.52	Vert(LL)	-0.34	16-18	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.82	Vert(CT)	-0.42	16-18	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.47	Horz(CT)	0.05	12	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MSH		Attic	-0.25	16-18	>792	360	Weight: 357 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x10 SP No.2 *Except* B2,B3:2x10 SP 2400F 2.0E
WEBS	2x4 SP No.3 *Except* W2,W1:2x4 SP No.2, W6,W4:2x6 SP No.2

BRACING

TOP CHORD	Structural wood sheathing directly applied or 3-9-14 oc purlins, except 2-0-0 oc purlins (4-10-6 max.): 6-8.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS	1 Brace at Jt(s): 23, 24, 25

REACTIONS (lb/size) 2=1713/0-3-8, (min. 0-2-13), 12=1713/0-3-8, (min. 0-2-13)
Max Horiz 2=-293 (LC 8)
Max Uplift 2=-110 (LC 10), 12=-110 (LC 11)
Max Grav 2=2375 (LC 2), 12=2375 (LC 2)

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

TOP CHORD 2-33=-3360/85, 3-33=-3301/87, 3-4=-3285/104, 4-34=-3432/239, 5-34=-3366/274, 5-6=-2343/359, 6-35=-1943/299, 7-35=-1943/299, 7-36=-1943/299, 8-36=-1943/299, 8-9=-2354/360, 9-37=-3365/274, 10-37=-3430/239, 10-11=-3285/104, 11-38=-3301/87, 12-38=-3361/85

BOT CHORD 2-20=-60/2515, 19-20=-32/2515, 18-19=-32/2515, 17-18=-25/2514, 16-17=-25/2514, 15-16=-17/2515, 14-15=-17/2515, 12-14=-17/2515

WEBS 18-26=0/1502, 5-26=-119/1189, 16-22=0/1497, 9-22=-116/1162, 23-24=-859/154, 21-24=-861/154, 21-25=-852/154, 6-23=-170/1114, 7-24=-280/173, 8-25=-173/1133, 4-20=-345/269, 10-14=-341/269, 5-23=-1082/239, 9-25=-1079/237

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) -0-10-13 to 3-0-8, Interior (1) 3-0-8 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 36-4-8, Exterior(2E) 36-4-8 to 40-3-13 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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). 23-26, 23-24, 24-25, 22-25
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 18-20, 16-18, 14-16
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 110 lb uplift at joint 2 and 110 lb uplift at joint 12.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) Attic room checked for L/360 deflection.

Job	Truss	Truss Type	Qty	Ply	HH Hunt - GRAYSON FRMH A RF 3CG 3RD FL
72432972	A5	Truss	1	1	Job Reference (optional)

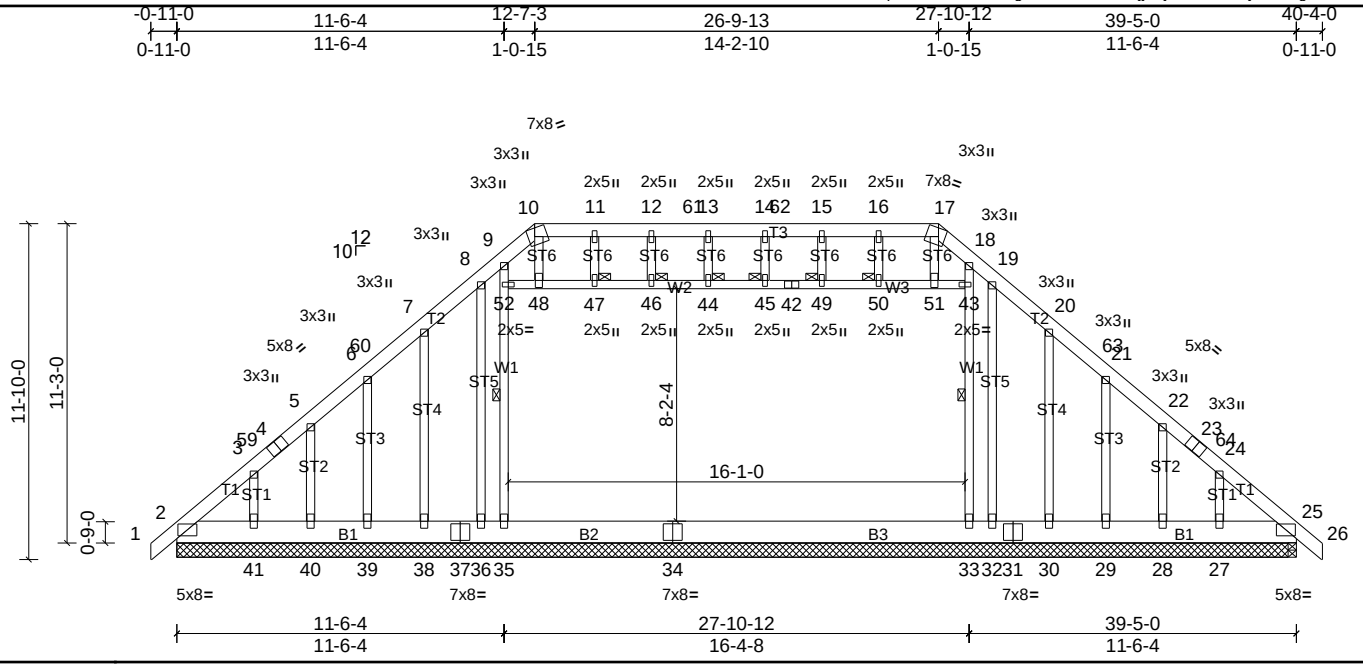

Plate Offsets (X, Y): [10:0-2-12,Edge], [17:0-2-12,Edge]

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	0.65	Vert(LL)	-0.10	33-35	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.54	Vert(CT)	-0.16	33-35	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.77	Horz(CT)	0.02	25	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MSH							Weight: 417 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 5-9-6 oc purlins, except 2-0-0 oc purlins (5-7-14 max.): 10-17.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 9-35, 18-33
JOINTS	1 Brace at Jt(s): 44, 45, 46, 47, 49, 50

REACTIONS All bearings 39-5-0. except 25=0-3-8

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

Max Uplift All uplift 100 (lb) or less at joint(s) 28, 30, 38, 40 except 2=-354 (LC 6), 25=-330 (LC 7), 27=-122 (LC 11), 29=-103 (LC 11), 32=-1992 (LC 16), 36=-1992 (LC 16), 39=-104 (LC 10), 41=-123 (LC 10)

Max Grav All reactions 250 (lb) or less at joint(s) 28, 29, 32, 36, 39, 40 except 2=863 (LC 1), 25=863 (LC 1), 27=262 (LC 20), 30=311 (LC 20), 33=2415 (LC 16), 35=2415 (LC 16), 38=306 (LC 19), 41=263 (LC 19)

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

TOP CHORD 2-3=-1104/586, 3-59=-1107/562, 4-59=-1075/563, 4-5=-1048/576, 5-6=-1107/571, 6-60=-1119/555, 7-60=-1076/569, 7-8=-1086/543, 8-9=-897/452, 9-10=-1168/533, 10-11=-947/449, 11-12=-944/448, 12-61=-944/448, 13-61=-944/448, 13-14=-944/448, 14-62=-944/448, 15-62=-944/448, 15-16=-944/448, 16-17=-947/449, 17-18=-1168/531, 18-19=-897/410, 19-20=-1086/505, 20-63=-1076/535, 21-63=-1119/521, 21-22=-1107/536, 22-23=-1048/541, 23-64=-1075/529, 24-64=-1107/528, 24-25=-1104/551

BOT CHORD 2-41=-412/821, 40-41=-412/821, 39-40=-412/821, 38-39=-412/821, 37-38=-412/821, 36-37=-412/821, 35-36=-412/821, 34-35=-410/816, 33-34=-410/816, 32-33=-412/821, 31-32=-412/821, 30-31=-412/821, 29-30=-412/821, 28-29=-412/821, 27-28=-412/821, 25-27=-412/821

WEBS 9-52=-437/198, 18-43=-437/164, 10-48=-198/427, 8-36=-151/262, 17-51=-199/427, 19-32=-157/262

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) -0-10-13 to 3-0-8, Interior (1) 3-0-8 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 36-4-8, Exterior(2E) 36-4-8 to 40-3-13 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 3x6 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, with BCDL = 10.0psf.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 38, 40, 30, 28 except (jt=lb) 2=353, 36=1991, 39=103, 41=123, 32=1991, 29=103, 27=122, 25=330.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
11) This truss has large uplift reaction(s) from gravity load case(s). Proper connection is required to secure truss against upward movement at the bearings. Building designer must provide for uplift reactions indicated.
12) Attic room checked for L/360 deflection.

Job	Truss	Truss Type	Qty	Ply	HH Hunt - GRAYSON FRMH A RF 3CG 3RD FL
72432972	B1	Truss	1	1	Job Reference (optional)

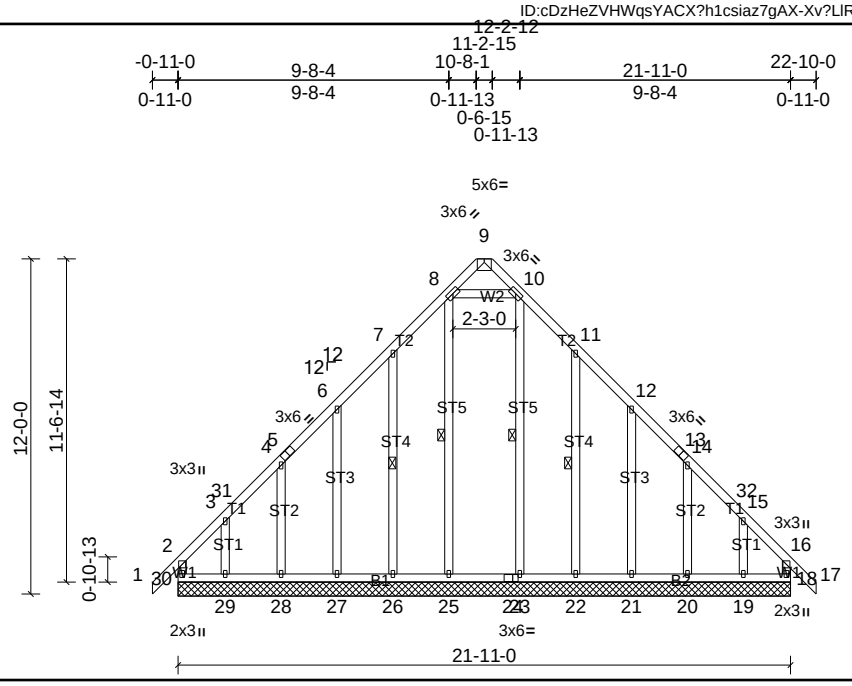

Plate Offsets (X, Y): [24:0-2-4,0-1-8]

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	0.22	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, 10-23, 7-26, 11-22

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), 22=-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, 22, 26, 27, 28 except 23=280 (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, 22=106, 21=122, 19=200.

Job	Truss	Truss Type	Qty	Ply	HH Hunt - GRAYSON FRMH A RF 3CG 3RD FL
72432972	C1	Truss	1	1	Job Reference (optional)

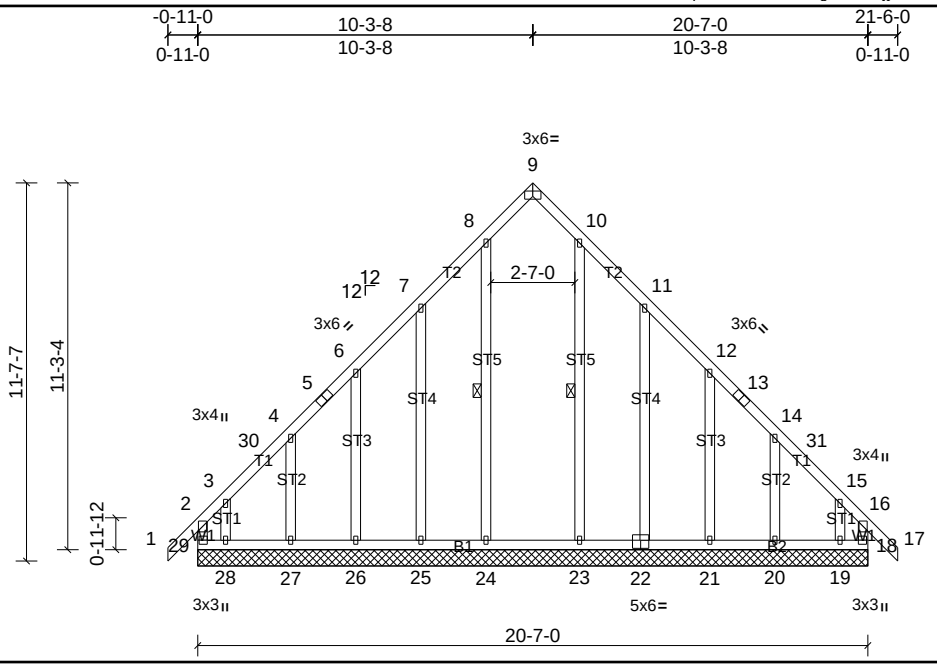

Plate Offsets (X, Y): [9:0-3-0,Edge], [18:0-1-8,Edge], [22:0-3-0,0-3-0], [29:0-1-8,0-0-8]

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	0.27	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 8-24, 10-23

REACTIONS All bearings 20-7-0.

(lb) - Max Horiz 29=319 (LC 9)

Max Uplift All uplift 100 (lb) or less at joint(s) 24, 27 except 18=-238 (LC 9), 19=-457 (LC 11), 20=-101 (LC 11), 21=-107 (LC 11), 22=-154 (LC 11), 25=-151 (LC 10), 26=-111 (LC 10), 28=-470 (LC 10), 29=-272 (LC 8)

Max Grav All reactions 250 (lb) or less at joint(s) 20, 21, 22, 23, 25, 26, 27 except 18=621 (LC 11), 19=265 (LC 9), 24=263 (LC 18), 28=284 (LC 8), 29=644 (LC 10)

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

TOP CHORD 2-29=-440/225, 2-3=-545/272, 3-30=-344/163, 4-30=-329/177, 14-31=-315/159, 15-31=-330/144, 15-16=-526/256, 16-18=-424/205

BOT CHORD 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=-156/398, 20-21=-156/398, 19-20=-156/398, 18-19=-156/398

WEBS 3-28=-196/275, 15-19=-178/275

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) 24, 27 except (jt=lb) 29=271, 18=237, 25=150, 26=110, 28=470, 22=153, 21=107, 20=100, 19=457.

Job	Truss	Truss Type	Qty	Ply	HH Hunt - GRAYSON FRMH A RF 3CG 3RD FL
72432972	C2	Truss	1	1	Job Reference (optional)

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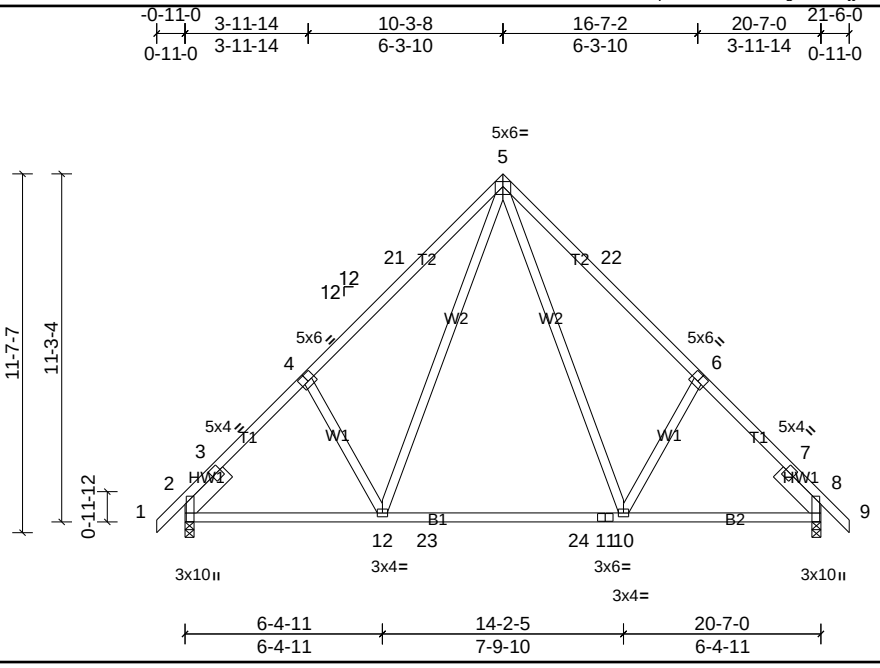

Plate Offsets (X, Y): [2:0-3-8,Edge], [4:0-3-0,0-3-0], [6:0-3-0,0-3-0], [8:0-6-13,Edge]

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, 23-24=-12/547, 11-24=-12/547, 10-11=-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 3RD FL
72432972	C3	Truss	3	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Gina Tolley — Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Wed Oct 23 09:55:54 — Page: 1

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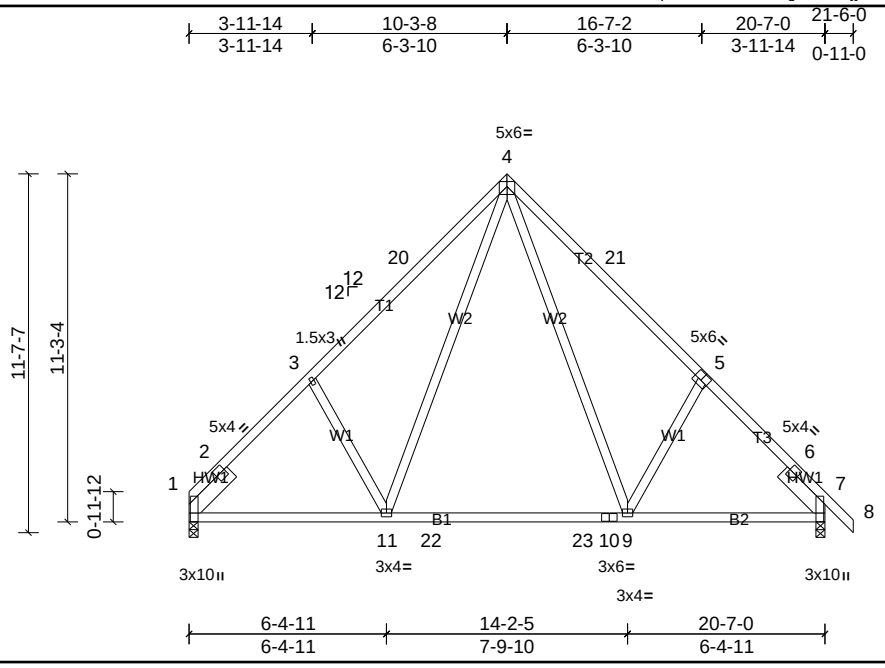

Plate Offsets (X, Y): [1:0-3-8,Edge], [5:0-3-0,0-3-0], [7:0-6-13,Edge], [7:0-0-0,0-0-0]

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, 22-23=-12/548, 10-23=-12/548, 9-10=-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 3RD FL
72432972	C4	Truss	1	**2**	Job Reference (optional)

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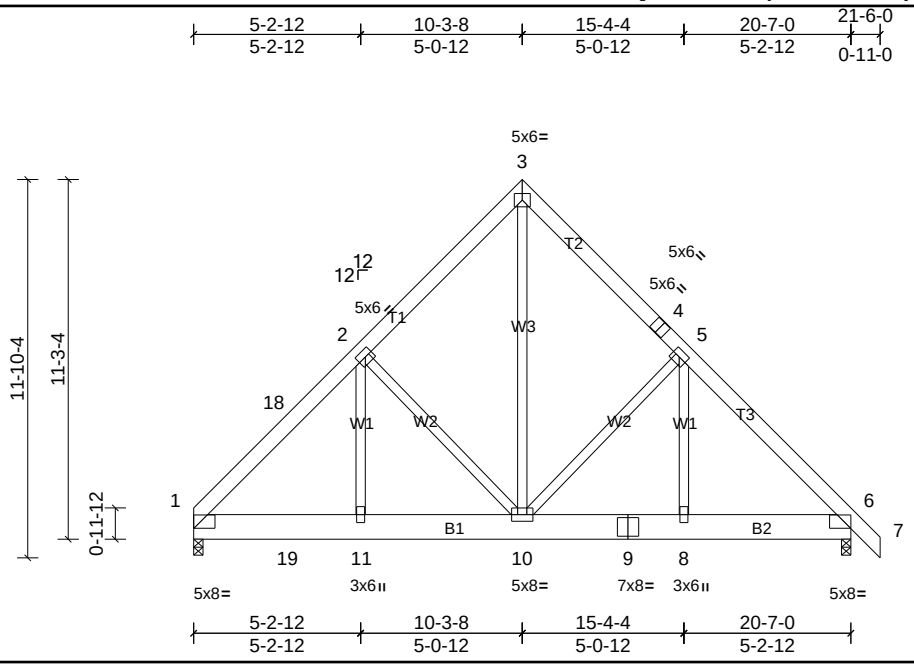

Plate Offsets (X, Y): [1:0-5-6,0-2-8], [6:0-5-6,0-2-8]

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 3RD FL
72432972	D1	Truss	4	1	Job Reference (optional)

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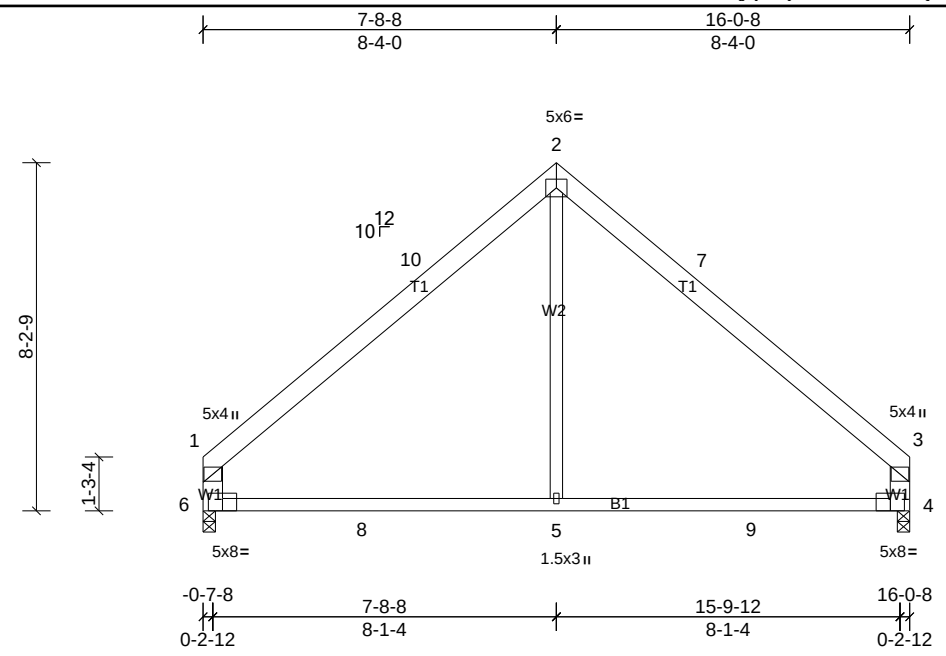

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.41	Vert(LL)	-0.13	4-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.75	Vert(CT)	-0.22	4-5	>877	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.19	Horz(CT)	0.01	4	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MR							Weight: 92 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x6 SP No.2 *Except* W2:2x4 SP No.3

BRACING

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

REACTIONS (lb/size) 4=648/0-3-8, (min. 0-1-8), 6=648/0-3-8, (min. 0-1-8)
Max Horiz 6=213 (LC 9)
Max Uplift 4=-67 (LC 11), 6=-67 (LC 10)
Max Grav 4=770 (LC 19), 6=770 (LC 18)

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

TOP CHORD	2-7=-701/143, 3-7=-865/106, 3-4=-750/140, 1-6=-747/143, 1-10=-863/106, 2-10=-700/143
BOT CHORD	6-8=-13/538, 5-8=-13/538, 5-9=-13/538, 4-9=-13/538
WEBS	2-5=0/494

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) 0-10-4 to 3-10-4, Interior (1) 3-10-4 to 5-11-8, Exterior(2R) 5-11-8 to 11-11-8, Interior (1) 11-11-8 to 14-0-12, Exterior (2E) 14-0-12 to 17-0-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 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) Bearing at joint(s) 6, 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 capable of withstanding 67 lb uplift at joint 6 and 67 lb uplift at joint 4.

Job	Truss	Truss Type	Qty	Ply	HH Hunt - GRAYSON FRMH A RF 3CG 3RD FL
72432972	J1	Truss	10	1	Job Reference (optional)

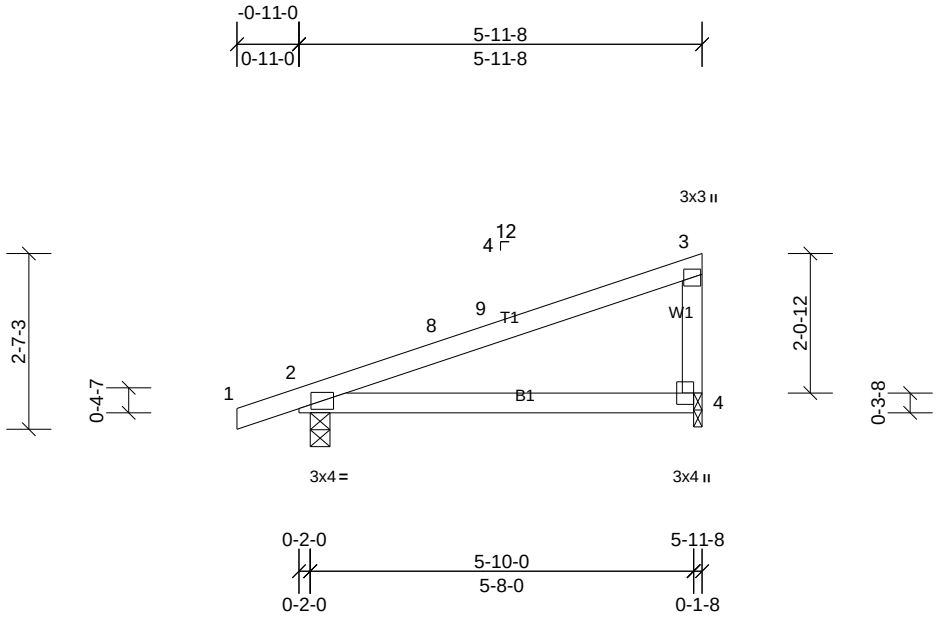

Plate Offsets (X, Y): [4:Edge,0-2-0]

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 3RD FL
72432972	M1	Truss	4	1	Job Reference (optional)

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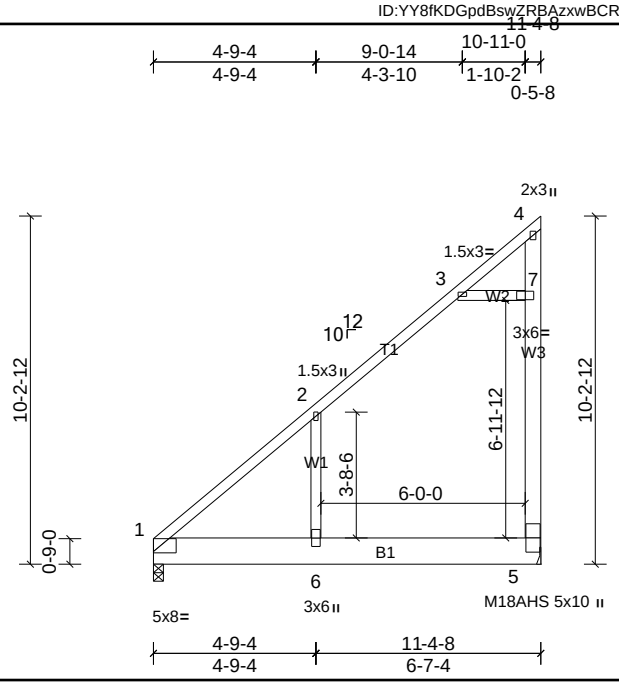

Plate Offsets (X, Y): [1:Edge,0-0-7]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.49	Vert(LL)	-0.12	5-6	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.63	Vert(CT)	-0.19	5-6	>693	180	M18AHS	186/179
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.01	1	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MSH		Attic	-0.06	5-6	>999	360	Weight: 97 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.2
BOT CHORD	2x10 SP No.2
WEBS	2x4 SP No.2 *Except* W3:2x6 SP No.2

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 7-1-14 oc bracing.

REACTIONS (lb/size) 1=464/0-3-8, (min. 0-1-8), 5=491/ Mechanical, (min. 0-1-8)
Max Horiz 1=375 (LC 10)
Max Uplift 5=-226 (LC 10)
Max Grav 1=535 (LC 19), 5=813 (LC 19)

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

TOP CHORD	1-2=-345/371, 3-4=-213/479, 5-7=-380/159, 4-7=-364/163
BOT CHORD	1-6=-158/332
WEBS	2-6=-389/247, 3-7=-357/281

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 11-1-12 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) 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) Ceiling dead load (5.0 psf) on member(s). 2-3, 3-7
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 5-6
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 226 lb uplift at joint 5.
9) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.

Job	Truss	Truss Type	Qty	Ply	HH Hunt - GRAYSON FRMH A RF 3CG 3RD FL
72432972	M2	Truss	4	1	Job Reference (optional)

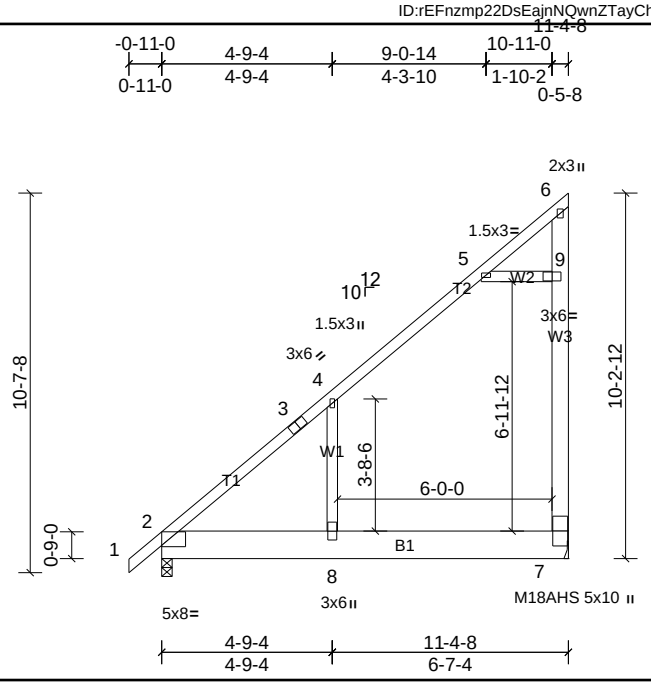

Plate Offsets (X, Y): [2:Edge,0-0-7]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.49	Vert(LL)	-0.12	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.62	Vert(CT)	-0.19	7-8	>699	180	M18AHS	186/179
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.01	2	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MSH		Attic	-0.12	7-8	>999	360	Weight: 98 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.2
BOT CHORD	2x10 SP No.2
WEBS	2x4 SP No.2 *Except* W3:2x6 SP No.2

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 7-1-14 oc bracing.

REACTIONS (lb/size) 2=521/0-3-8, (min. 0-1-8), 7=489/ Mechanical, (min. 0-1-8)
Max Horiz 2=402 (LC 10)
Max Uplift 7=-225 (LC 10)
Max Grav 2=589 (LC 19), 7=811 (LC 19)

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

TOP CHORD	2-3=-345/340, 3-4=-298/371, 5-6=-213/479, 7-9=-380/159, 6-9=-364/163
BOT CHORD	2-8=-137/329
WEBS	4-8=-389/247, 5-9=-356/279

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 11-1-12 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) 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) Ceiling dead load (5.0 psf) on member(s). 4-5, 5-9
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 7-8
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 225 lb uplift at joint 7.
9) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.

Job	Truss	Truss Type	Qty	Ply	HH Hunt - GRAYSON FRMH A RF 3CG 3RD FL
72432972	MR1	Truss	1	1	Job Reference (optional)

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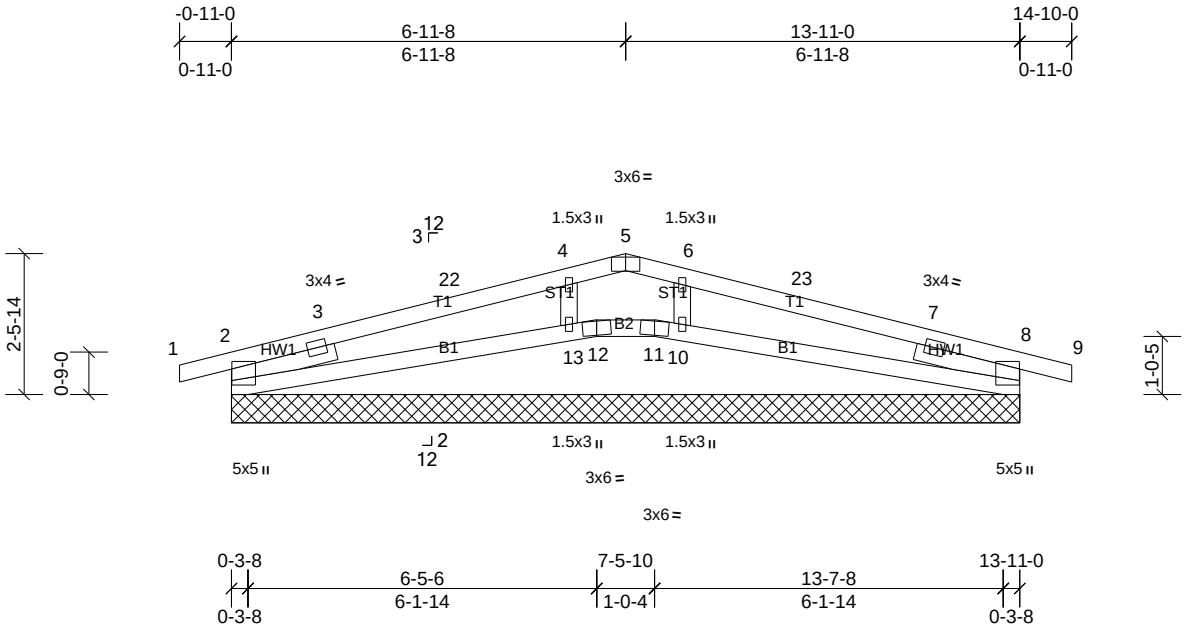

Plate Offsets (X, Y): [2:0-1-10,0-0-1], [5:0-3-0,Edge], [8:0-1-10,0-0-1]

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 3RD FL
72432972	MR2	Truss	4	1	Job Reference (optional)

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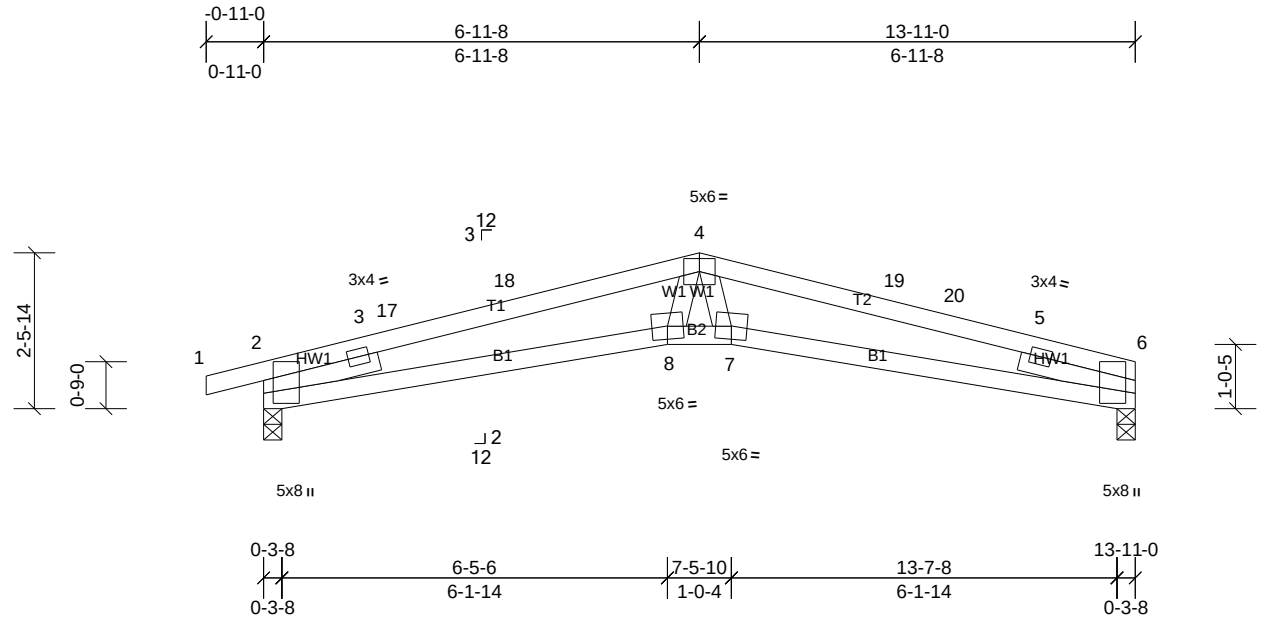

Plate Offsets (X, Y): [2:0-3-10,0-1-13], [6:0-3-10,0-1-13]

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	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.71	Vert(CT)	-0.27	7-8	>611	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.16	Horz(CT)	0.11	6	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
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 2-10-4 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-9-14 oc bracing.

REACTIONS (lb/size) 2=613/0-3-8, (min. 0-1-8), 6=555/0-3-8, (min. 0-1-8)
Max Horiz 2=38 (LC 14)
Max Uplift 2=-126 (LC 6), 6=-87 (LC 7)

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

TOP CHORD	2-3=-657/122, 3-17=-1922/814, 17-18=-1917/815, 4-18=-1882/829, 4-19=-1886/843, 19-20=-1898/834, 5-20=-1926/828, 5-6=-577/101
BOT CHORD	2-8=-739/1835, 7-8=-698/1668, 6-7=-756/1840
WEBS	4-7=-107/382, 4-8=-71/370

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 10-11-0, Exterior(2E) 10-11-0 to 13-11-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
5) Bearing at joint(s) 6, 2 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 87 lb uplift at joint 6 and 126 lb uplift at joint 2.

Job	Truss	Truss Type	Qty	Ply	HH Hunt - GRAYSON FRMH A RF 3CG 3RD FL
72432972	PB1	Truss	2	1	Job Reference (optional)

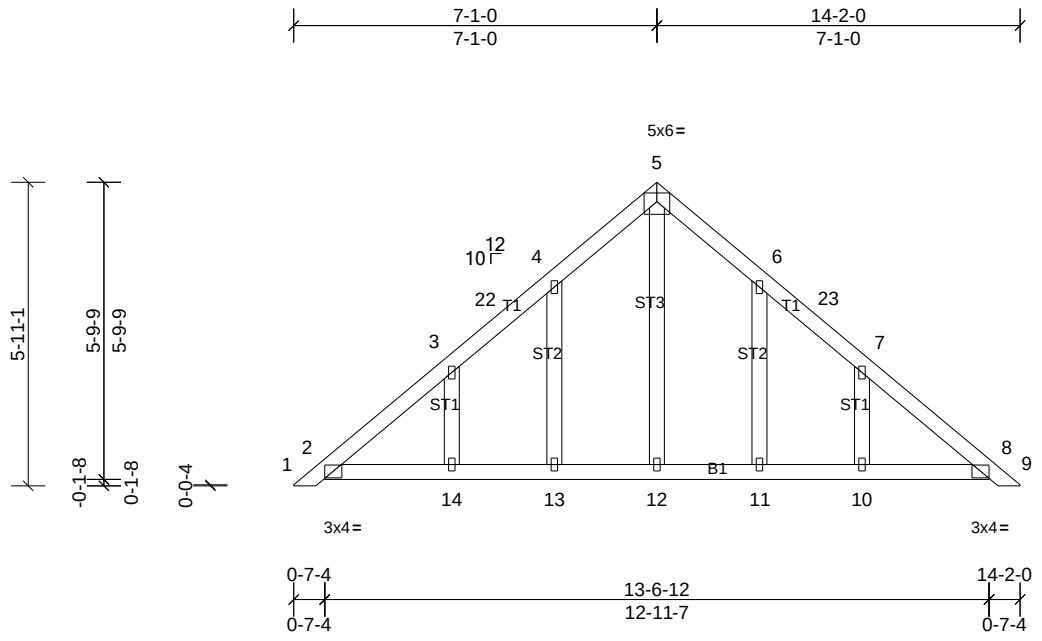

Plate Offsets (X, Y): [2:0-2-1,0-1-8], [8:0-2-1,0-1-8]

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	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.06	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	8	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), 15=-148 (LC 8)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 11, 13, 15 except 10=-121 (LC 11), 14=-121 (LC 10)
Max Grav All reactions 250 (lb) or less at joint(s) 2, 8, 10, 11, 12, 13, 14, 15, 19

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 3-1-5, 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) 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, 13, 11, 2 except (jt=lb) 14=121, 10=120.
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 3RD FL
72432972	PB2	Truss	15	1	Job Reference (optional)

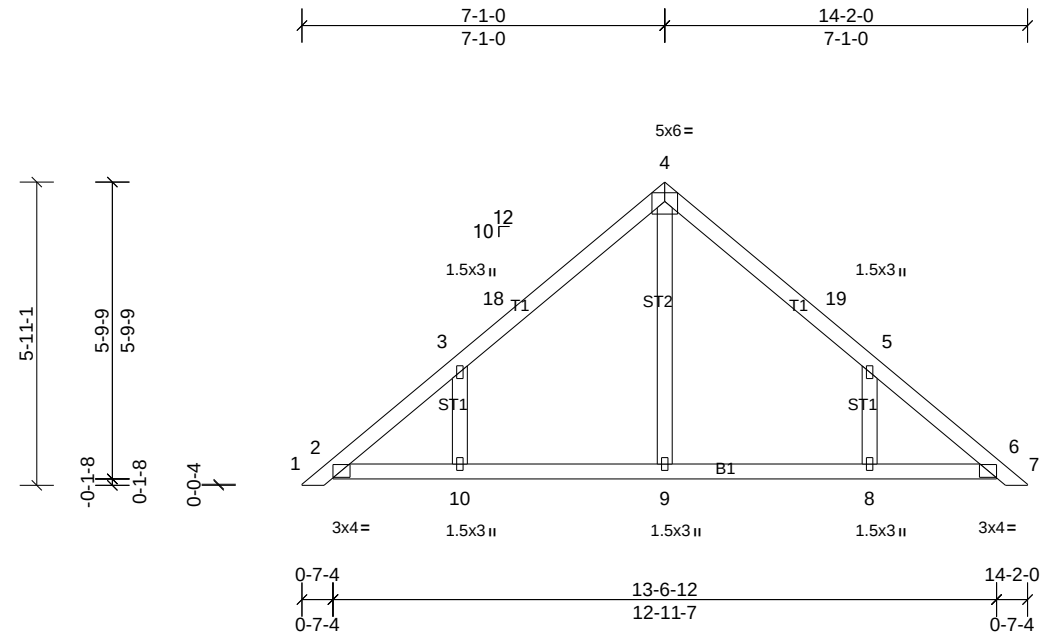

Plate Offsets (X, Y): [2:0-2-1,0-1-8], [6:0-2-1,0-1-8]

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	0.18	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	0.09	Horz(CT)	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 12-11-7.

(lb) - Max Horiz 2=-148 (LC 8), 11=-148 (LC 8)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 6, 11, 15 except 8=-183 (LC 11), 10=-184 (LC 10)
Max Grav All reactions 250 (lb) or less at joint(s) 2, 6, 9, 11, 15 except 8=341 (LC 19), 10=342 (LC 18)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-10=-309/221, 5-8=-309/220

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) 2, 6, 2, 6 except (jt=lb) 10=183, 8=182.
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 3RD FL
72432972	PB3	Truss	2	**2**	Job Reference (optional)

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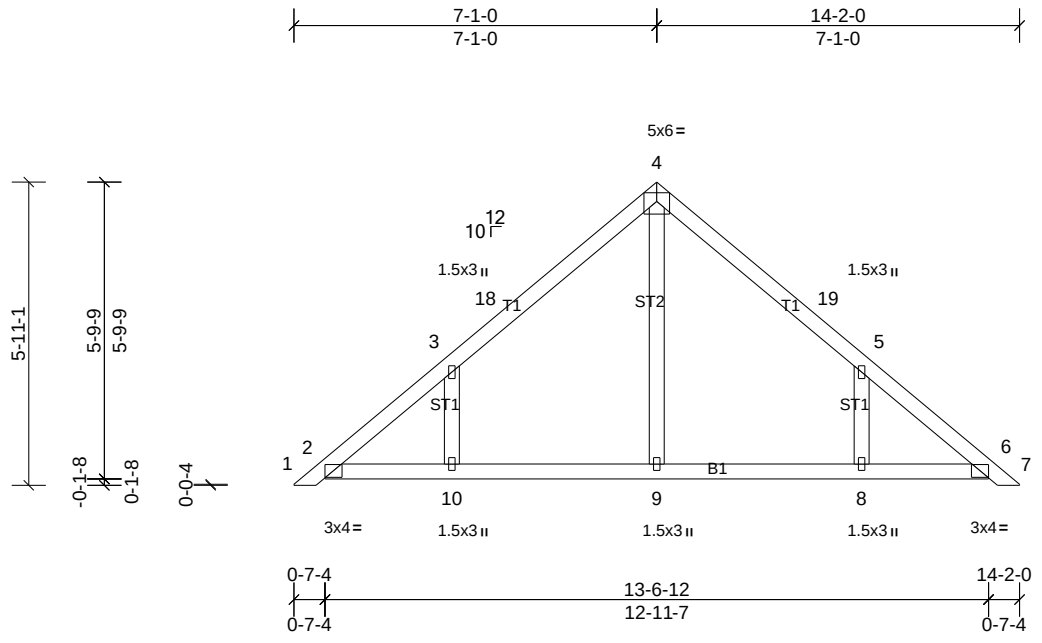

Plate Offsets (X, Y): [2:0-2-1,0-1-8], [6:0-2-1,0-1-8]

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	0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.06	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MSH							Weight: 120 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), 11=-148 (LC 8)

Max Uplift All uplift 100 (lb) or less at joint(s) 2, 6, 11, 15 except 8=-183 (LC 11), 10=-184 (LC 10)

Max Grav All reactions 250 (lb) or less at joint(s) 2, 6, 9, 11, 15 except 8=341 (LC 19), 10=342 (LC 18)

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

WEBS 3-10=-309/221, 5-8=-309/220

NOTES

1) 2-ply truss to be connected together as follows:
Top chords connected with 10d (0.131"x3") nails as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected with 10d (0.131"x3") nails 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 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
5) Truss designed for wind loads in the plane of the truss only.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 4-0-0 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) 2, 6, 2, 6 except (jt=lb) 10=183, 8=182.
11) See standard piggyback truss connection detail for connection to base truss.

Job	Truss	Truss Type	Qty	Ply	HH Hunt - GRAYSON FRMH A RF 3CG 3RD FL
72432972	SP1	Truss	1	1	Job Reference (optional)

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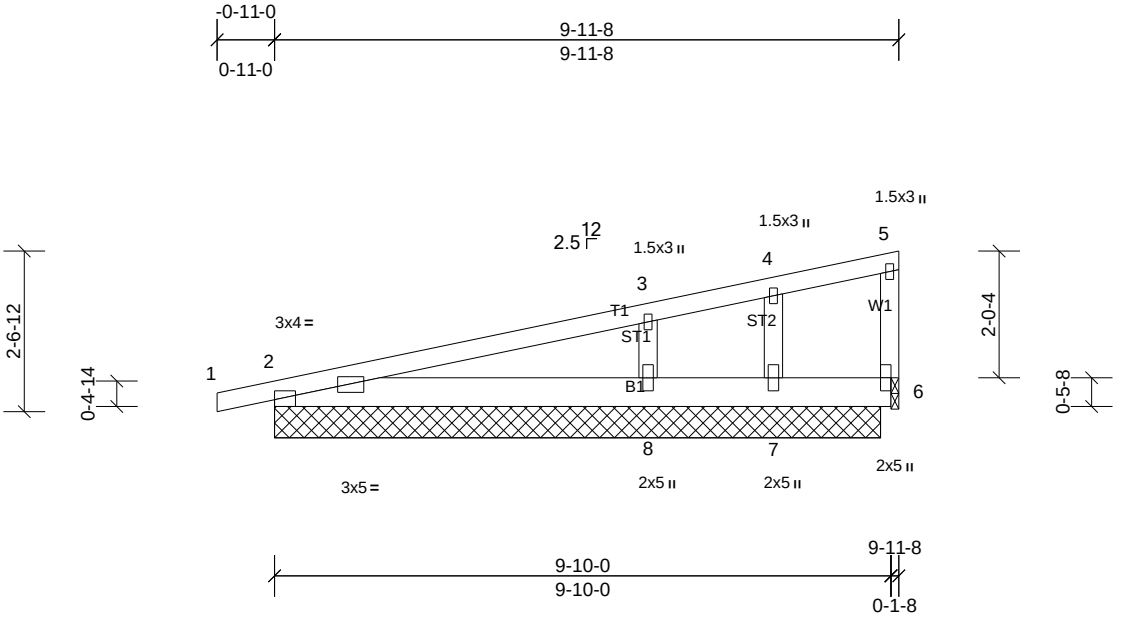

Plate Offsets (X, Y): [2:1-0-1,0-1-6], [2:Edge,0-1-5]

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)	0.02	8-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.24	Vert(CT)	-0.03	8-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MSH							Weight: 46 lb	FT = 20%

LUMBER

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

REACTIONS All bearings 9-8-0. except 6=0-1-8

(lb) - Max Horiz 2=93 (LC 6), 9=93 (LC 6)

Max Uplift All uplift 100 (lb) or less at joint(s) 2, 6, 7, 9 except 8=-115 (LC 10)

Max Grav All reactions 250 (lb) or less at joint(s) 6, 7 except 2=255 (LC 1), 8=508 (LC 1), 9=255 (LC 1)

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

WEBS 3-8=-289/281

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 6-9-12, Corner(3E) 6-9-12 to 9-9-12 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) Truss designed for wind loads in the plane of the truss only.
4) Gable studs spaced at 2-0-0 oc.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
7) Bearing at joint(s) 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 6.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 7, 6, 2 except (jt=lb) 8=114.

Job	Truss	Truss Type	Qty	Ply	HH Hunt - GRAYSON FRMH A RF 3CG 3RD FL
72432972	SP2	Truss	7	1	Job Reference (optional)

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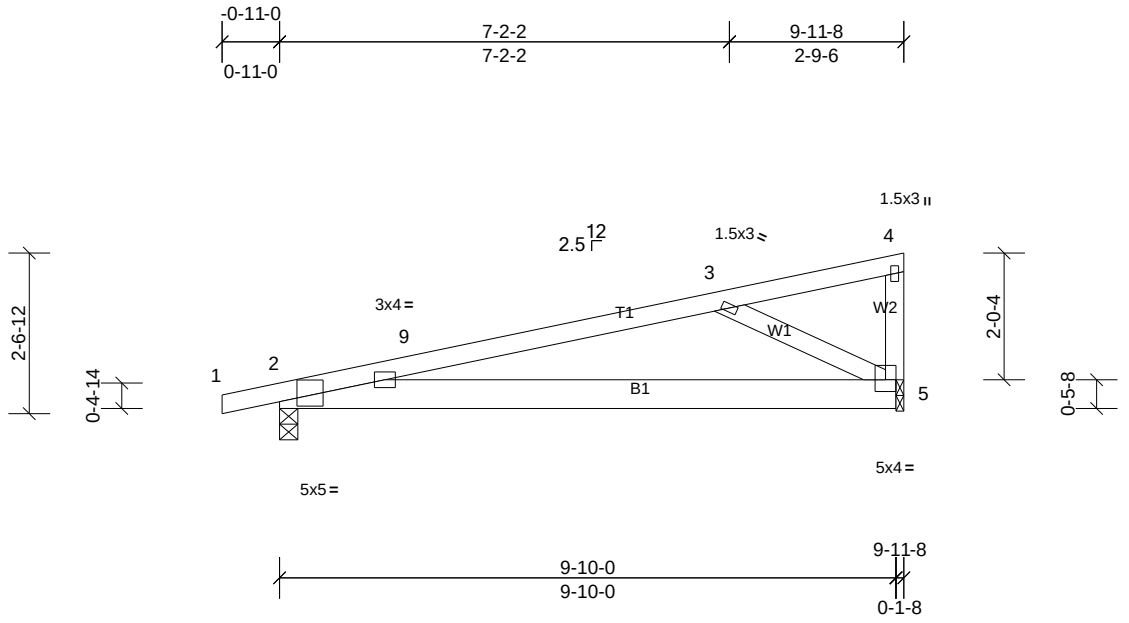

Plate Offsets (X, Y): [2:0-3-5,0-0-14], [5:Edge,0-2-4]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.51	Vert(LL)	-0.08	5-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.46	Vert(CT)	-0.19	5-8	>614	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MSH							Weight: 47 lb	FT = 20%

LUMBER

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

BRACING

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

REACTIONS (lb/size) 2=450/0-3-8, (min. 0-1-8), 5=390/0-1-8, (min. 0-1-8)
Max Horiz 2=93 (LC 6)
Max Uplift 2=-112 (LC 6), 5=-88 (LC 10)

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

TOP CHORD	2-9=-597/275, 3-9=-596/288
BOT CHORD	2-5=-350/591
WEBS	3-5=-607/391

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 6-9-12, Exterior(2E) 6-9-12 to 9-9-12 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) 5 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) 5.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 112 lb uplift at joint 2 and 88 lb uplift at joint 5.

Job	Truss	Truss Type	Qty	Ply	HH Hunt - GRAYSON FRMH A RF 3CG 3RD FL
72432972	V1	Truss	1	1	Job Reference (optional)

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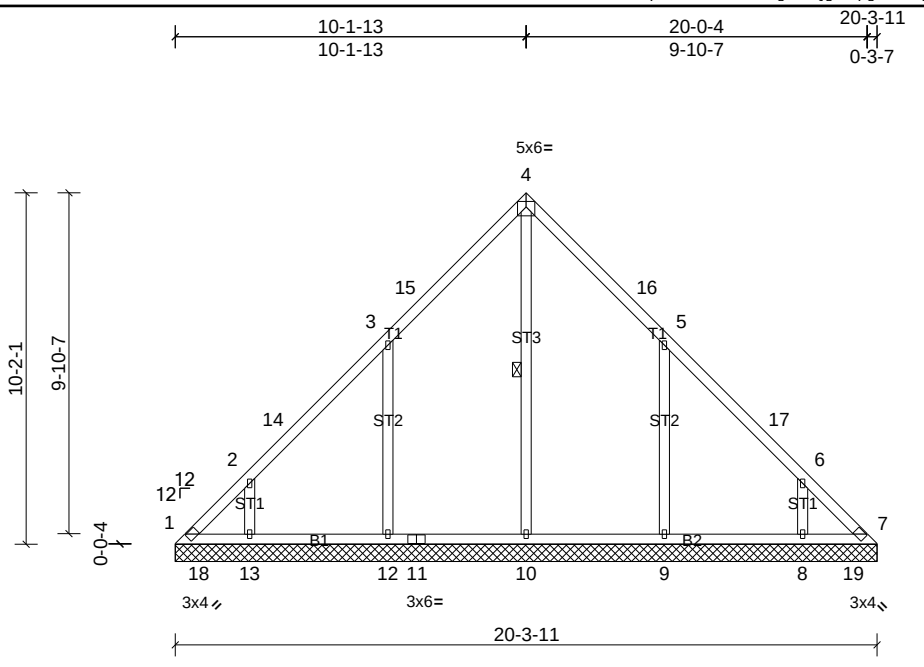

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.20	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.17	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.23	Horiz(TL)	0.01	7	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	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 4-10

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), 10=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 3RD FL
72432972	V2	Truss	1	1	Job Reference (optional)

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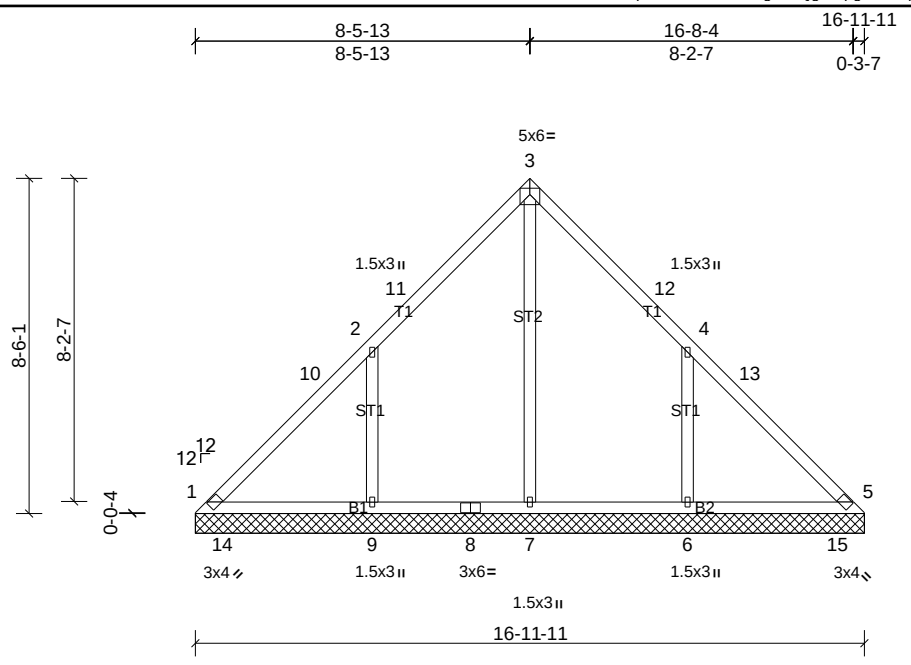

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.24	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.18	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.20	Horiz(TL)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	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), 7=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 3RD FL
72432972	V3	Truss	1	1	Job Reference (optional)

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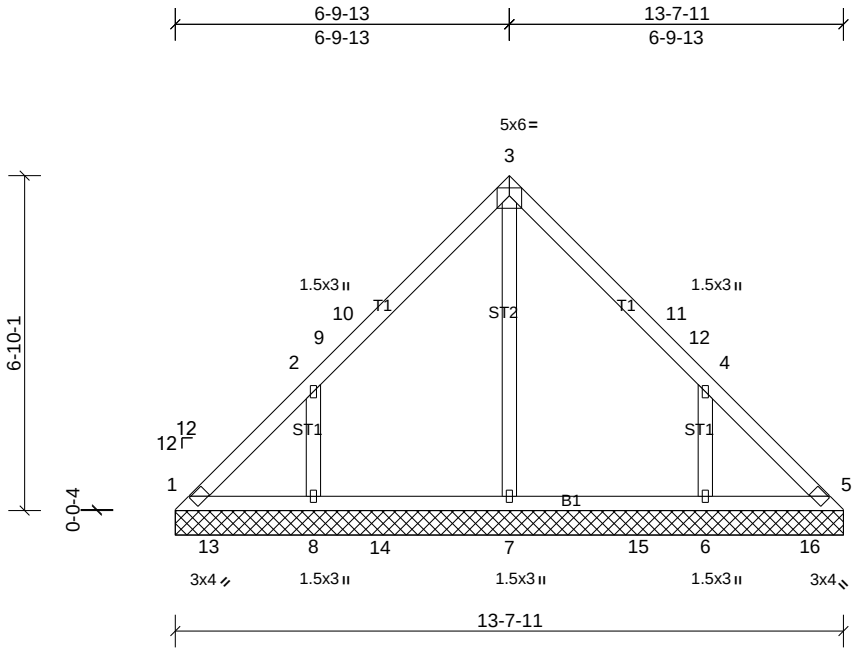

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.18	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.17	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horiz(TL)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	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 3RD FL
72432972	V4	Truss	1	1	Job Reference (optional)

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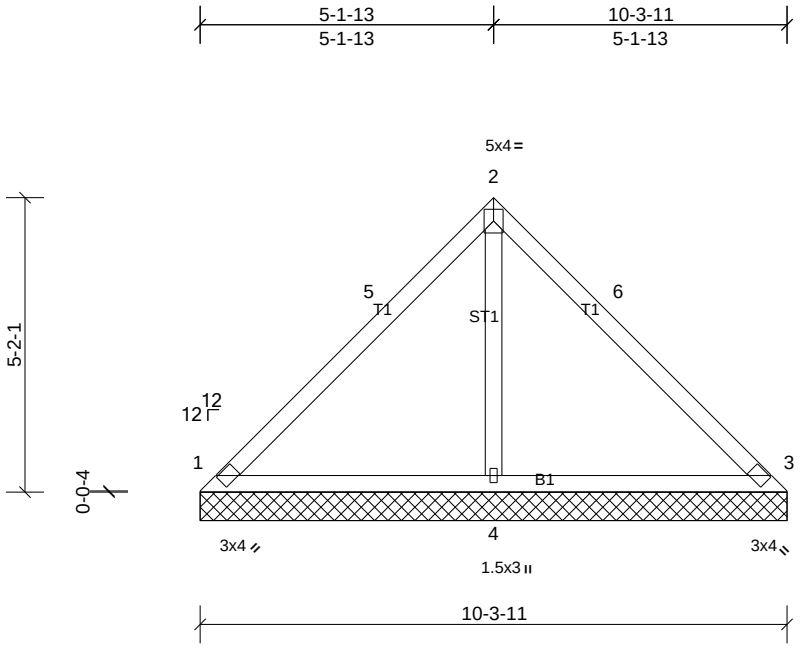

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.30	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.27	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.09	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	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 8)
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 3RD FL
72432972	V5	Truss	1	1	Job Reference (optional)

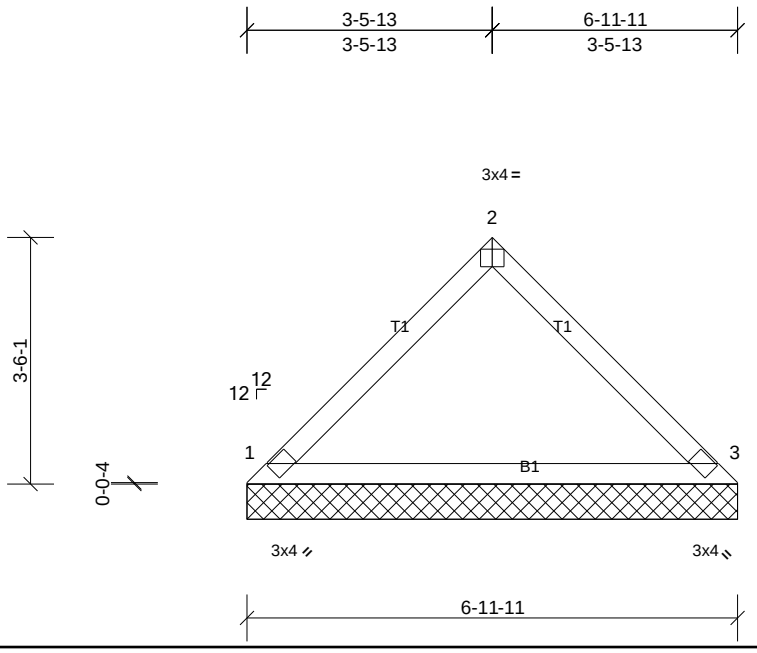

Plate Offsets (X, Y): [2:0-2-0,Edge]

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 3RD FL
72432972	V6	Truss	1	1	Job Reference (optional)

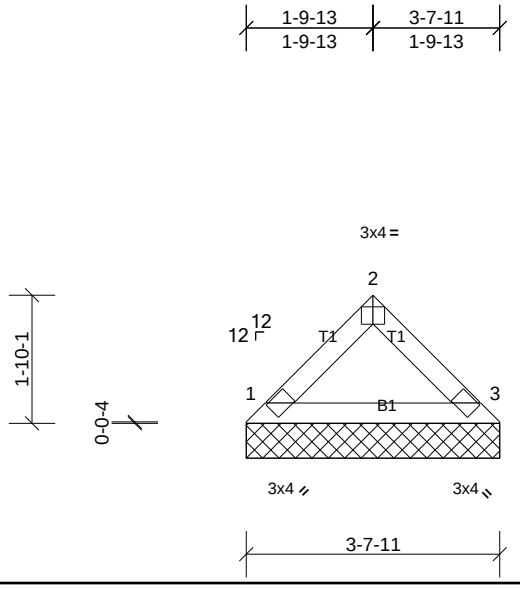

Plate Offsets (X, Y): [2:0-2-0,Edge]

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	0.07	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.

Job	Truss	Truss Type	Qty	Ply	HH Hunt - GRAYSON FRMH A RF 3CG 3RD FL
72432972	V7	Truss	1	1	Job Reference (optional)

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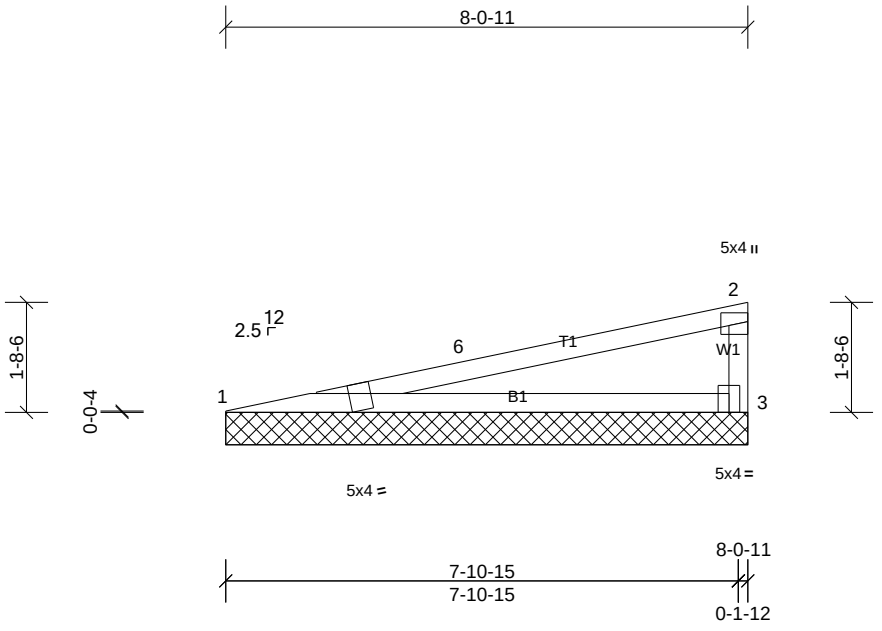

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.67	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.89	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.02	3	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MSH							Weight: 24 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 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=316/8-0-11, (min. 0-1-8), 3=316/8-0-11, (min. 0-1-8)
Max Horiz 1=61 (LC 6)
Max Uplift 1=-59 (LC 6), 3=-71 (LC 6)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-1194/626
BOT CHORD 1-3=-708/1187

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) 0-1-3 to 2-9-15, Interior (1) 2-9-15 to 3-9-4, Exterior(2R) 3-9-4 to 8-0-2 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) 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) Bearing at joint(s) 3 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 59 lb uplift at joint 1 and 71 lb uplift at joint 3.
8) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.

Job	Truss	Truss Type	Qty	Ply	HH Hunt - GRAYSON FRMH A RF 3CG 3RD FL
72432972	V8	Truss	1	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Gina Tolley — Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Wed Oct 23 09:55:59 — Page: 1

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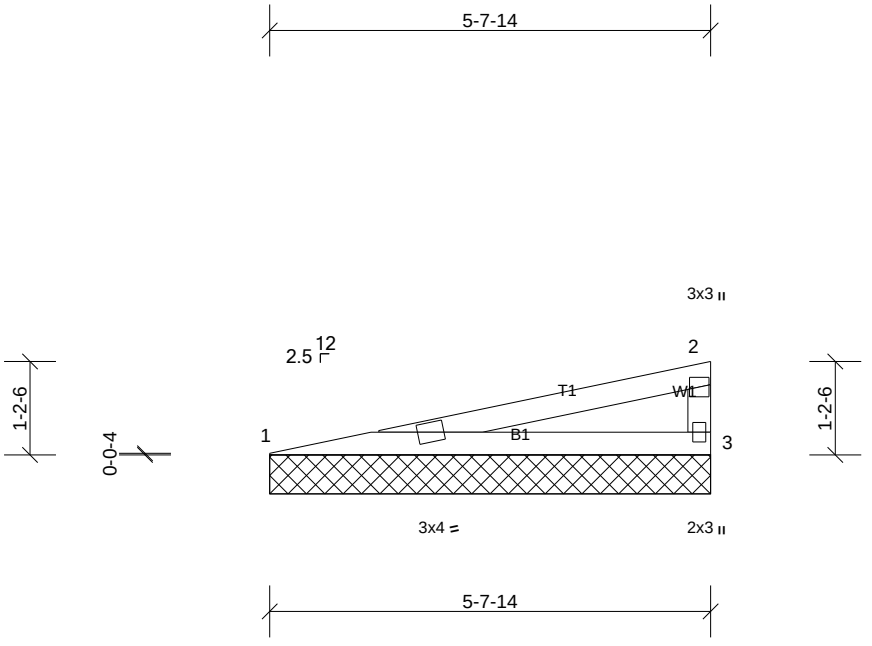

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.27	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.40	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.01	3	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MSH							Weight: 16 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 5-9-2 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=220/5-7-14, (min. 0-1-8), 3=220/5-7-14, (min. 0-1-8)
Max Horiz 1=41 (LC 6)
Max Uplift 1=-41 (LC 6), 3=-49 (LC 6)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-730/468
BOT CHORD 1-3=-527/726

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 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 41 lb uplift at joint 1 and 49 lb uplift at joint 3.