Mark Morris, P.E.

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The truss drawing(s) listed below have been prepared by **Atlantic Building Components** under my direct supervision based on the parameters provided by the truss designers.

AST #: 50509
JOB: 24-5966-R01
JOB NAME: LOT 0.0010 HONEYCUTT HILLS
Wind Code: ASCE7-16
Wind Speed: Vult= 120mph
Exposure Category: B
Mean Roof Height (feet): 23
These truss designs comply with IRC 2015 as well as IRC 2018.
28 Truss Design(s)

Trusses:
GR01, GR02, R01, R02, R03, R03A, R04, R05, R06, R07, R08, R09, R10, R11, R12, R13, R14, R15, R16, SP01, SP02, VT01, VT02, VT03, VT04, VT05, VT06, VT07

7/11/2024
Mark Morris

Warning !—Verify design parameters and read notes before use.

This design is based only 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 building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 Guide to *Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI

Job	Truss	Truss Type	Qty	Ply	LOT 0.0010 HONEYCUTT HILLS | 199 SHELBY MEADOW LANE ANGIER, NC
24-5966-R01	GR01	Hip Supported Gable	1	1	# 50509
					Job Reference (optional)

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 11 20:38:29 2024 Page 1
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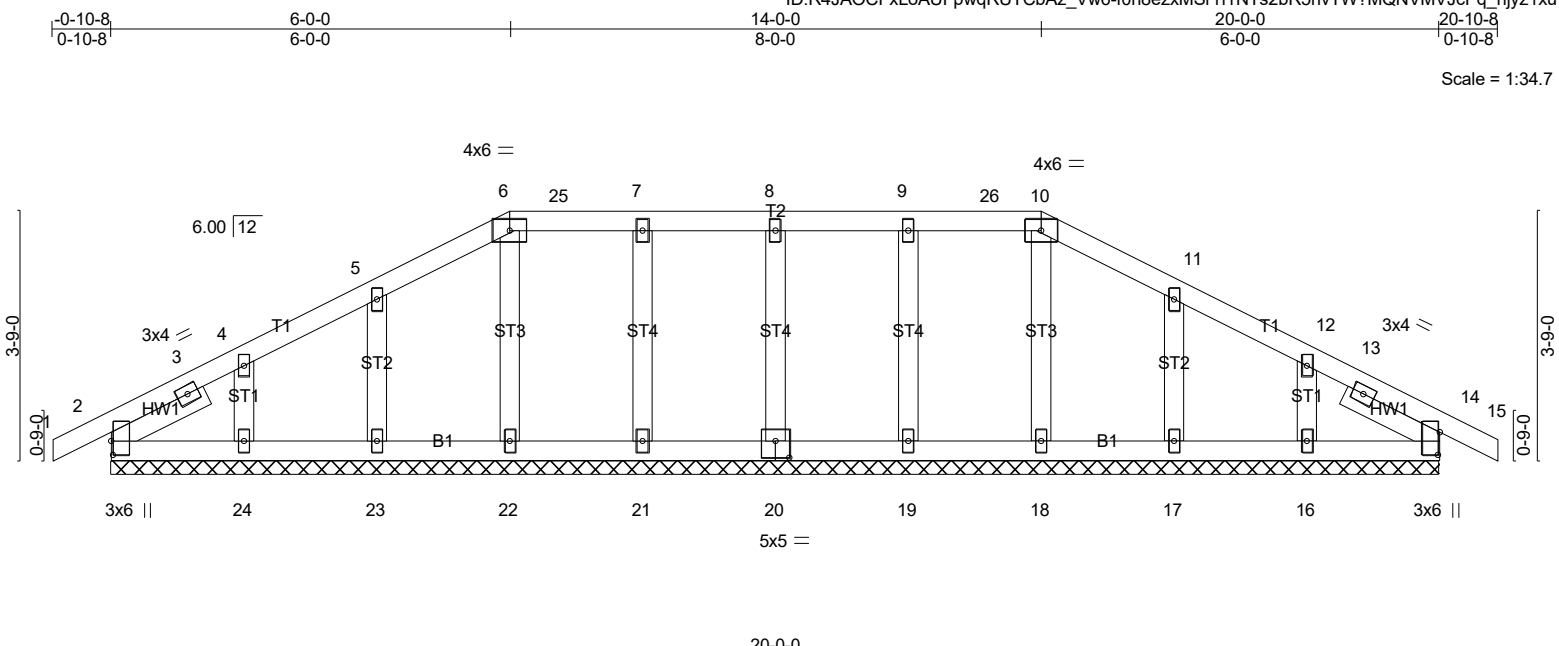

Plate Offsets (X,Y)-- [2:0-2-8,0-0-5], [14:0-4-1,0-0-5], [20:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.08	Vert(LL)	-0.00	14	n/r	180	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.25	BC	0.05	Vert(CT)	-0.00	14	n/r	80		
TCDL	10.0	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	14	n/a	n/a		
BCLL	0.0 *	Code IRC2021/TPI2014		Matrix-SH								
BCDL	10.0										Weight: 103 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.3
OTHERS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 -° 1-7-3, Right 2x4 SP No.3 -° 1-7-3

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 20-0-0.
(lb) - Max Horz 2=45(LC 14)
Max Uplift All uplift 100 lb or less at joint(s) 2, 20, 21, 23, 24, 19, 17, 16, 14
Max Grav All reactions 250 lb or less at joint(s) 2, 20, 22, 24, 18, 16, 14 except 21=259(LC 38), 23=261(LC 39), 19=259(LC 38), 17=261(LC 39)

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

NOTES- (14)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) -0-10-8 to 4-0-0, Corner(3R) 4-0-0 to 16-0-0, Corner(3E) 16-0-0 to 20-10-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
7) Provide adequate drainage to prevent water ponding.
8) All plates are 2x4 MT20 unless otherwise indicated.
9) Gable requires continuous bottom chord bearing.
10) Gable studs spaced at 2-0-0 oc.
11) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
12) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 20, 21, 23, 24, 19, 17, 16, 14.

LOAD CASE(S) Standard

7/11/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0010 HONEYCUTT HILLS | 199 SHELBY MEADOW LANE ANGIER, NC
24-5966-R01	GR02	Common	5	1	# 50509
					Job Reference (optional)

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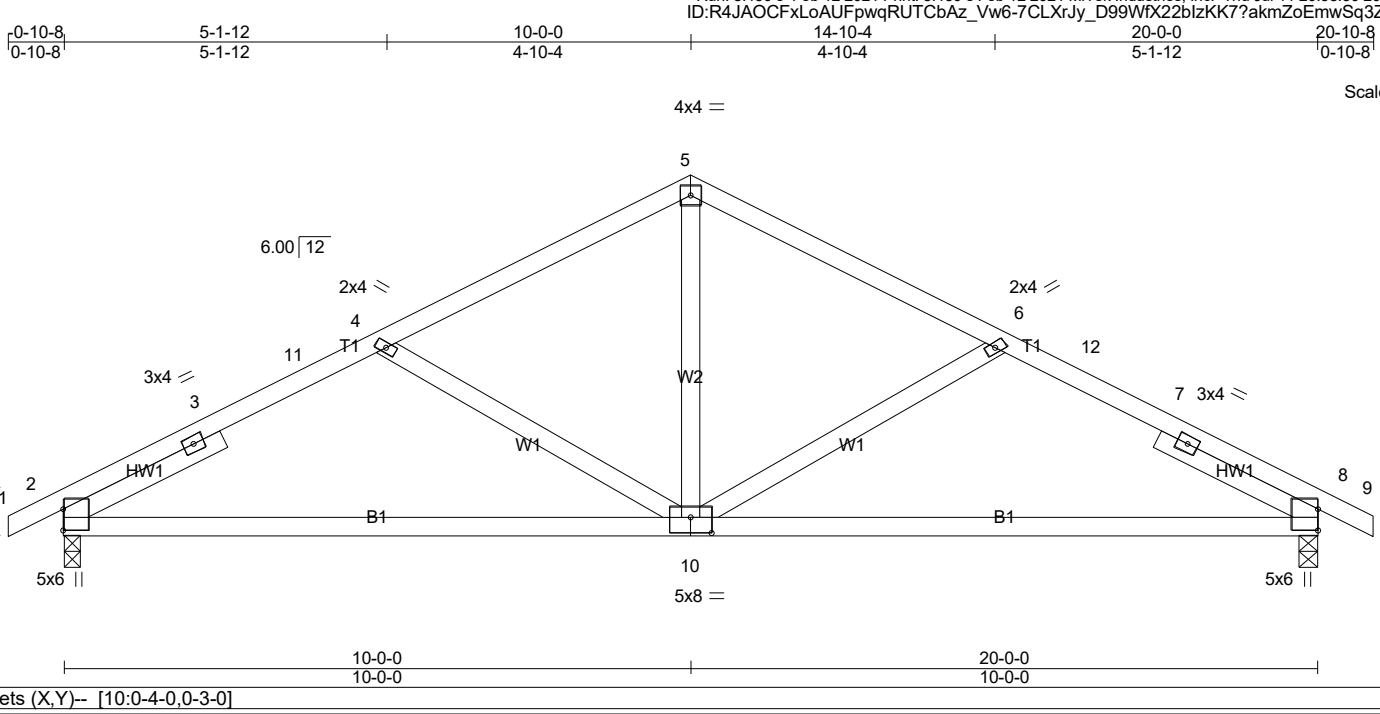

Plate Offsets (X,Y)-- [10:0-4-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.53	Vert(LL)	-0.14	2-10	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.25	BC	0.87	Vert(CT)	-0.30	2-10	>806	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.24	Horz(CT)	0.03	8	n/a	n/a		
BCLL	0.0 *	Code IRC2021/TPI2014		Matrix-SH							Weight: 99 lb	FT = 20%
BCDL	10.0											

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-8-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 2=853/0-3-8 (min. 0-1-8), 8=853/0-3-8 (min. 0-1-8)
Max Horz 2=72(LC 18)
Max Uplift2=-77(LC 14), 8=-77(LC 15)
Max Grav 2=888(LC 21), 8=888(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1315/233, 3-11=-1198/243, 4-11=-1184/254, 4-5=-964/198, 5-6=-964/198, 6-12=-1183/254, 7-12=-1198/243, 7-8=-1315/233
BOT CHORD 2-10=-155/1090, 8-10=-155/1090
WEBS 5-10=-43/526, 6-10=-377/145, 4-10=-377/145

NOTES- (9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 3-11-2, Interior(1) 3-11-2 to 4-11-15, Exterior(2R) 4-11-15 to 15-0-1, Interior(1) 15-0-1 to 16-0-14, Exterior(2E) 16-0-14 to 20-10-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 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.

LOAD CASE(S) Standard

7/11/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0010 HONEYCUTT HILLS | 199 SHELBY MEADOW LANE ANGIER, NC
24-5966-R01	R01	Hip Supported Gable	1	1	# 50509
					Job Reference (optional)

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-0-10-8 8-10-11 22-7-5 31-6-0 32-4-8
0-10-8 8-10-11 13-8-9 8-10-11 0-10-8

Scale = 1:54.3

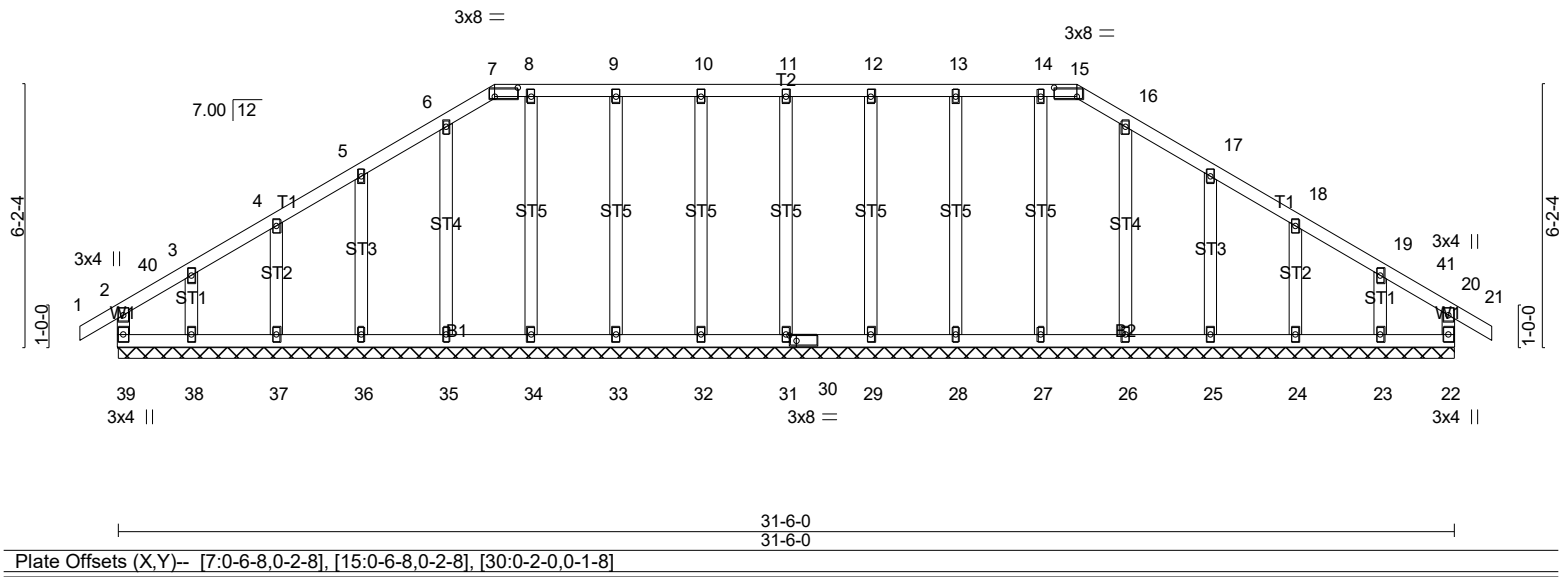


Plate Offsets (X,Y)-- [7:0-6-8,0-2-8], [15:0-6-8,0-2-8], [30:0-2-0,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.13	Vert(LL)	-0.00	21	n/r	180	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.25	BC	0.10	Vert(CT)	-0.00	21	n/r	80		
TCDL	10.0	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.00	22	n/a	n/a		
BCLL	0.0 *	Code IRC2021/TPI2014		Matrix-R							Weight: 200 lb	FT = 20%
BCDL	10.0											

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

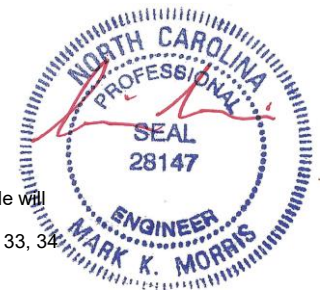
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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

REACTIONS. All bearings 31-6-0.
(lb) - Max Horz 39=112(LC 13)
Max Uplift All uplift 100 lb or less at joint(s) 39, 22, 31, 32, 33, 34, 35, 36, 37, 38, 29, 28, 27, 26, 25, 24, 23
Max Grav All reactions 250 lb or less at joint(s) 39, 22, 38, 23 except 31=286(LC 44), 32=297(LC 44), 33=300(LC 44), 34=289(LC 52), 35=318(LC 47), 36=276(LC 47), 37=259(LC 39), 29=296(LC 44), 28=300(LC 44), 27=285(LC 52), 26=313(LC 49), 25=276(LC 49), 24=259(LC 39)

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

NOTES- (15)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) -0-10-8 to 3-9-0, Corner(3R) 3-9-0 to 13-9-0, Exterior(2N) 13-9-0 to 17-9-0, Corner(3R) 17-9-0 to 27-9-0, Corner(3E) 27-9-0 to 32-4-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
7) Provide adequate drainage to prevent water ponding.
8) All plates are 2x4 MT20 unless otherwise indicated.
9) Gable requires continuous bottom chord bearing.
10) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
11) Gable studs spaced at 2-0-0 oc.
12) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
13) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
14) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 39, 22, 31, 32, 33, 34, 35, 36, 37, 38, 29, 28, 27, 26, 25, 24, 23.



LOAD CASE(S) Standard

7/11/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0010 HONEYCUTT HILLS | 199 SHELBY MEADOW LANE ANGIER, NC
24-5966-R01	R02	Hip	1	1	# 50509
					Job Reference (optional)

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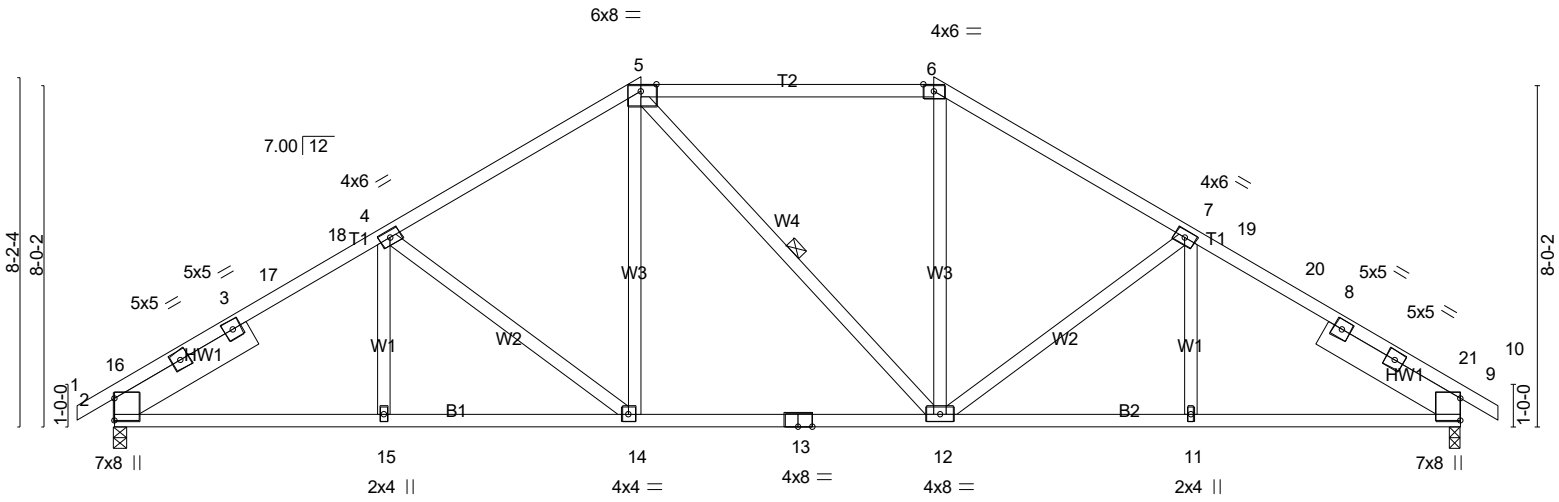
-0-10-8 | 6-3-11 | 12-3-14 | 19-2-2 | 25-2-5 | 31-6-0 | 32-4-8
0-10-8 | 6-3-11 | 6-0-3 | 6-10-5 | 6-0-3 | 6-3-11 | 0-10-8

Scale = 1:53.9



6-3-11 | 12-3-14 | 19-2-2 | 25-2-5 | 31-6-0
6-3-11 | 6-0-3 | 6-10-5 | 6-0-3 | 6-3-11

Plate Offsets (X,Y)-- [5:0-4-6,Edge]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.86	Vert(LL)	-0.18	12-14	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.25	BC	0.75	Vert(CT)	-0.29	12-14	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.54	Horz(CT)	0.10	9	n/a	n/a		
BCLL	0.0 *	Code	IRC2021/TPI2014	Matrix-SH							Weight: 197 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SP No.1 *Except*
T2: 2x4 SP SS
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x8 SP No.2 -° 3-9-1, Right 2x8 SP No.2 -° 3-9-1

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 5-12

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

REACTIONS. (lb/size) 2=1312/0-3-8 (min. 0-2-1), 9=1312/0-3-8 (min. 0-2-1)
Max Horz 2=151(LC 11)
Max Uplift2=-90(LC 14), 9=-90(LC 15)
Max Grav 2=1741(LC 39), 9=1741(LC 39)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-16=-2516/151, 3-16=-2507/164, 3-17=-2351/172, 17-18=-2218/184, 4-18=-2213/187, 4-5=-1920/215, 5-6=-1519/222, 6-7=-1920/215, 7-19=-2212/187, 19-20=-2218/184, 8-20=-2351/172, 8-21=-2507/164, 9-21=-2516/151
BOT CHORD 2-15=-119/1954, 14-15=-119/1954, 13-14=-30/1519, 12-13=-30/1519, 11-12=-94/1954, 9-11=-94/1954
WEBS 4-14=-532/144, 5-14=-18/575, 6-12=0/498, 7-12=-531/145

NOTES- (10)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 3-11-2, Interior(1) 3-11-2 to 5-6-6, Exterior(2R) 5-6-6 to 25-11-10, Interior(1) 25-11-10 to 27-6-14, Exterior(2E) 27-6-14 to 32-4-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
6) Provide adequate drainage to prevent water ponding.
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 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) 2, 9.

LOAD CASE(S) Standard

NORTH CAROLINA PROFESSIONAL SEAL 28147 ENGINEER MARK K. MORRIS

7/11/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0010 HONEYCUTT HILLS | 199 SHELBY MEADOW LANE ANGIER, NC
24-5966-R01	R03	Roof Special	5	1	# 50509
					Job Reference (optional)

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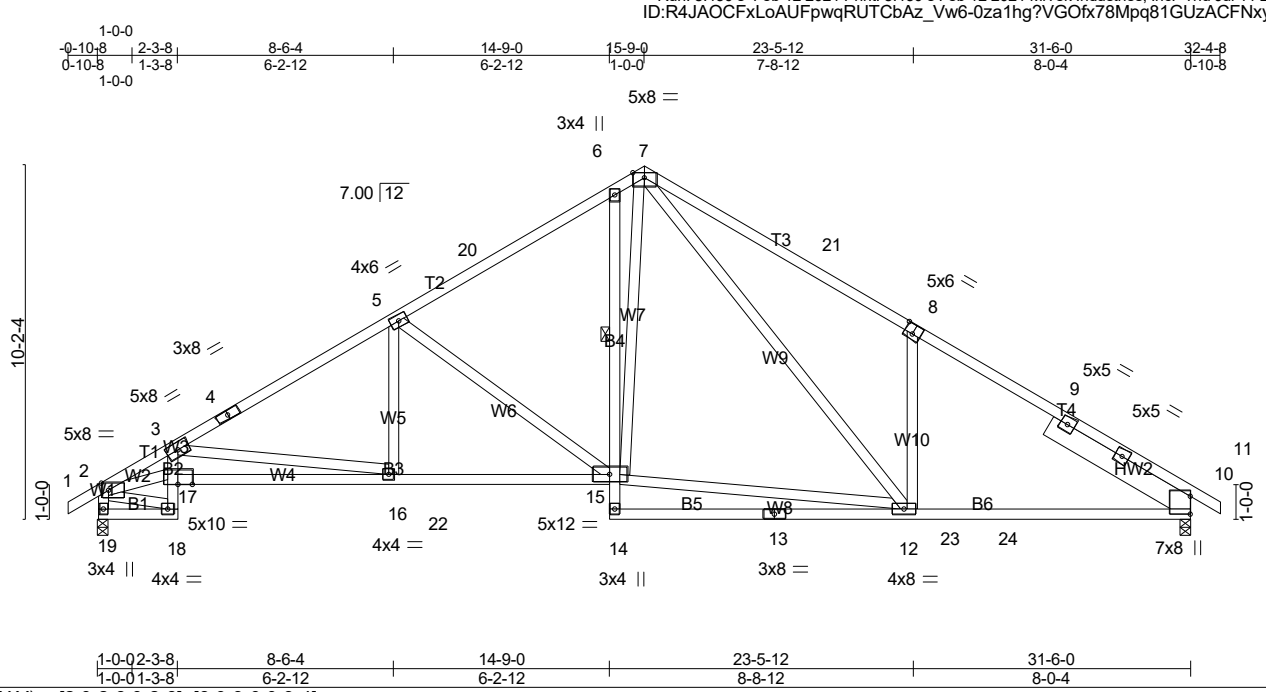


Plate Offsets (X,Y)-- [2:0-2-8,0-2-8], [8:0-3-0,0-3-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.82	Vert(LL)	-0.16	12-14	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.25	BC	0.79	Vert(CT)	-0.36	12-14	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.86	Horz(CT)	0.16	10	n/a	n/a		
BCLL	0.0 *	Code IRC2021/TPI2014		Matrix-SH							Weight: 219 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SP No.2 *Except* T3: 2x4 SP SS
BOT CHORD 2x4 SP No.2 *Except* B4: 2x4 SP No.3
WEBS 2x4 SP No.3
SLIDER Right 2x8 SP No.2 -° 4-8-15

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
1 Row at midpt 6-15

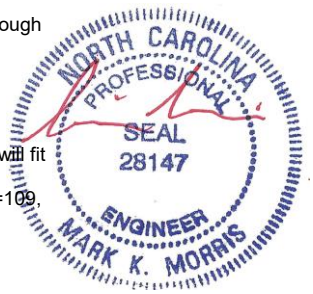
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 19=1316/0-3-8 (min. 0-1-9), 10=1306/0-3-8 (min. 0-1-9)
Max Horz 19=193(LC 13)
Max Uplift19=-109(LC 14), 10=-107(LC 15)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2620/301, 3-4=-2075/152, 4-5=-1990/176, 5-20=-1475/179, 6-20=-1370/199, 6-7=-1353/246, 7-21=-1687/301, 8-21=-1791/277, 8-9=-1663/162, 9-10=-1834/136, 2-19=-1313/128
BOT CHORD 3-17=-27/266, 16-17=-428/2723, 16-22=-158/1798, 15-22=-158/1798, 6-15=-364/158, 12-23=-59/1451, 23-24=-59/1451, 10-24=-59/1451
WEBS 3-16=-934/273, 5-16=0/388, 5-15=-734/170, 12-15=-11/1034, 7-15=-175/1022, 7-12=-235/707, 8-12=-439/258, 2-17=-297/2088, 2-18=-125/443

NOTES- (9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 3-11-2, Interior(1) 3-11-2 to 10-11-6, Exterior(2R) 10-11-6 to 20-6-10, Interior(1) 20-6-10 to 27-6-14, Exterior(2E) 27-6-14 to 32-4-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 19=109, 10=107.

LOAD CASE(S) Standard



7/11/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0010 HONEYCUTT HILLS | 199 SHELBY MEADOW LANE ANGIER, NC
24-5966-R01	R03A	Common	1	1	# 50509
					Job Reference (optional)

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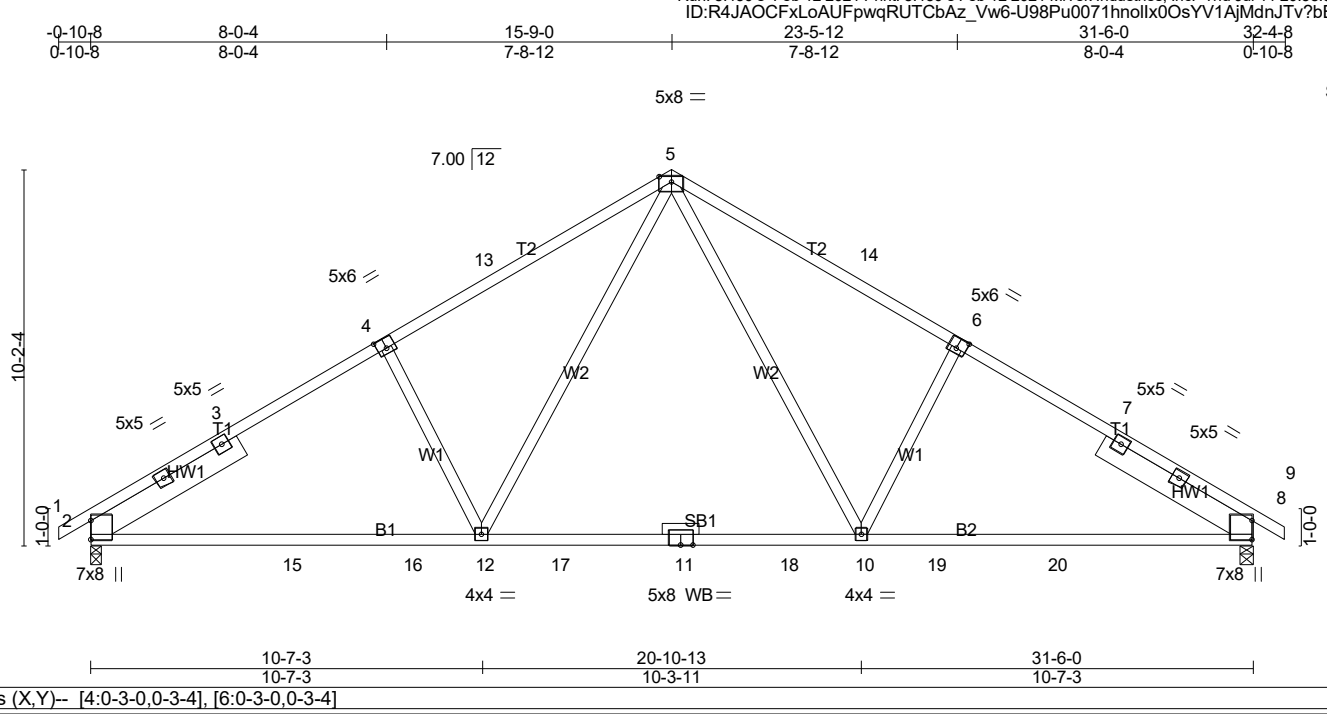


Plate Offsets (X,Y)-- [4:0-3-0,0-3-4], [6:0-3-0,0-3-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.84	Vert(LL)	-0.46	10-12	>815	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.25	BC	0.64	Vert(CT)	-0.63	10-12	>602	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.34	Horz(CT)	0.06	8	n/a	n/a		
BCLL	0.0 *	Code IRC2021/TPI2014		Matrix-SH							Weight: 185 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SP SS *Except*
T1: 2x4 SP No.2
BOT CHORD 2x4 SP SS
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3
SLIDER Left 2x8 SP No.2 -° 4-9-1, Right 2x8 SP No.2 -° 4-9-1

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.

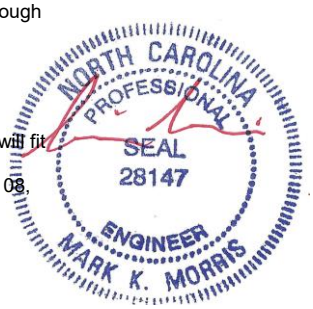
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 2=1313/0-3-8 (min. 0-1-12), 8=1313/0-3-8 (min. 0-1-12)
Max Horz 2=-192(LC 10)
Max Uplift2=-108(LC 14), 8=-108(LC 15)
Max Grav 2=1487(LC 24), 8=1487(LC 25)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2096/139, 3-4=-1956/179, 4-13=-1921/205, 5-13=-1820/229, 5-14=-1820/229, 6-14=-1921/205, 6-7=-1956/179, 7-8=-2096/139
BOT CHORD 2-15=-163/1809, 15-16=-163/1809, 12-16=-163/1809, 12-17=-9/1247, 11-17=-9/1247, 11-18=-9/1247, 10-18=-9/1247, 10-19=-70/1667, 19-20=-70/1667, 8-20=-70/1667
WEBS 5-10=-114/877, 6-10=-413/226, 5-12=-114/876, 4-12=-413/226

NOTES- (9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 3-11-2, Interior(1) 3-11-2 to 10-11-6, Exterior(2R) 10-11-6 to 20-6-10, Interior(1) 20-6-10 to 27-6-14, Exterior(2E) 27-6-14 to 32-4-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=108, 8=108.

LOAD CASE(S) Standard



7/11/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0010 HONEYCUTT HILLS | 199 SHELBY MEADOW LANE ANGIER, NC
24-5966-R01	R04	GABLE	1	1	# 50509
					Job Reference (optional)

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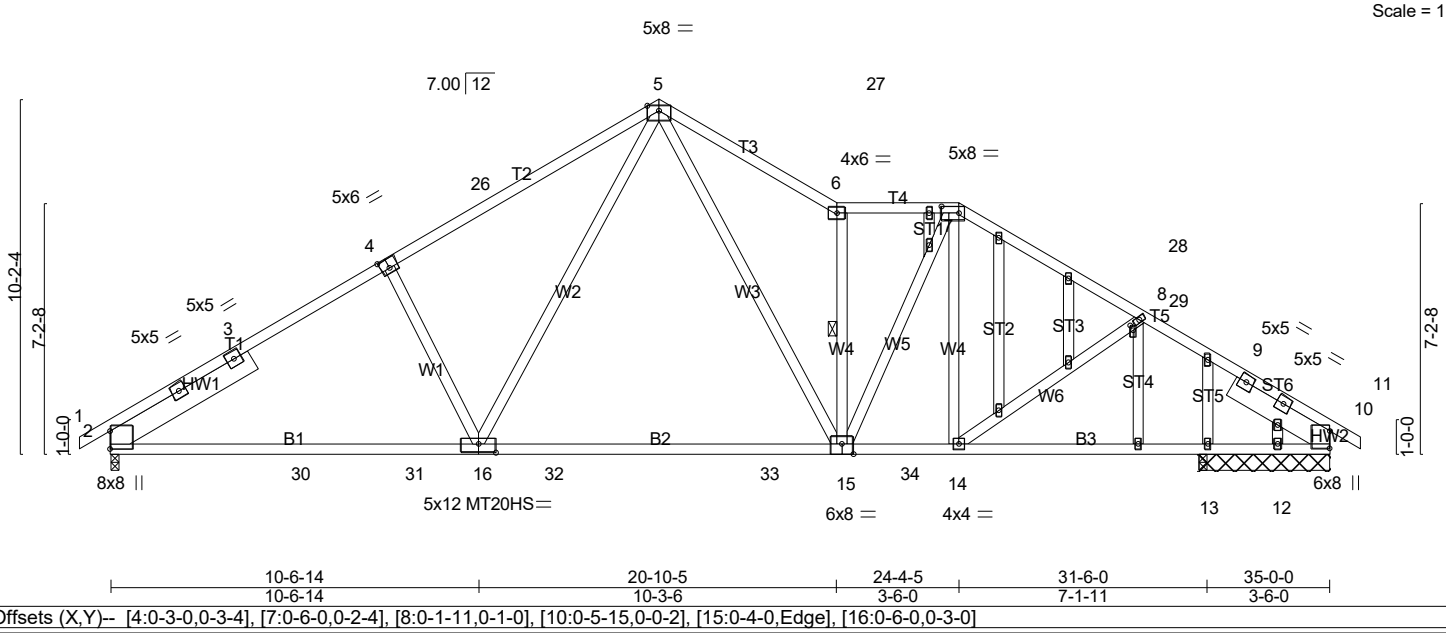
-0-10-8	8-0-4	15-9-0	20-10-5	24-4-5	29-6-6	35-0-0	35-10-8
0-10-8	8-0-4	7-8-12	5-1-5	3-6-0	5-2-2	5-5-10	0-10-8

Scale = 1:66.1



10-6-14	20-10-5	24-4-5	31-6-0	35-0-0
10-6-14	10-3-6	3-6-0	7-1-11	3-6-0

Plate Offsets (X,Y)-- [4:0-3-0,0-3-4], [7:0-6-0,0-2-4], [8:0-1-11,0-1-0], [10:0-5-15,0-0-2], [15:0-4-0,Edge], [16:0-6-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.98	Vert(LL)	-0.52	15-16	>726	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.25	BC	0.86	Vert(CT)	-0.78	15-16	>486	180	MT20HS	187/143
TCDL	10.0	Rep Stress Incr	YES	WB	0.58	Horz(CT)	0.08	10	n/a	n/a		
BCLL	0.0 *	Code IRC2021/TPI2014		Matrix-SH							Weight: 244 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
T2: 2x4 SP SS, T5: 2x4 SP No.1
BOT CHORD 2x4 SP SS *Except*
B3: 2x4 SP No.1
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3
SLIDER Left 2x8 SP No.2 -° 4-9-1, Right 2x8 SP No.2 -° 3-3-4

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 6-15

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

REACTIONS. All bearings 3-9-8 except (jt=length) 2=0-3-8.
(lb) - Max Horz 2=-192(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) except 2=-117(LC 14), 10=-163(LC 15), 12=-208(LC 37)
Max Grav All reactions 250 lb or less at joint(s) 13 except 2=1595(LC 24), 10=1809(LC 41), 13=344(LC 7)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2309/190, 3-4=-2197/230, 4-26=-2117/256, 5-26=-2016/280, 5-27=-2412/364, 6-27=-2433/339, 6-7=-1990/261, 7-28=-2055/257, 8-28=-2056/230, 8-29=-2179/278, 9-29=-2322/276, 9-10=-2496/263
BOT CHORD 2-30=-175/1971, 30-31=-175/1971, 16-31=-175/1971, 16-32=-24/1441, 32-33=-24/1441, 15-33=-24/1441, 15-34=-81/1715, 14-34=-81/1715, 13-14=-174/1907, 12-13=-174/1907, 10-12=-174/1907
WEBS 4-16=-402/227, 5-16=-110/880, 5-15=-212/1416, 6-15=-1404/246, 7-15=-33/744, 8-14=-324/152

NOTES- (14)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 3-11-2, Interior(1) 3-11-2 to 10-11-6, Exterior(2R) 10-11-6 to 20-6-10, Interior(1) 20-6-10 to 20-10-5, Exterior(2R) 20-10-5 to 29-1-14, Interior(1) 29-1-14 to 31-0-14, Exterior(2E) 31-0-14 to 35-10-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
7) Provide adequate drainage to prevent water ponding.
8) All plates are MT20 plates unless otherwise indicated.
9) All plates are 2x4 MT20 unless otherwise indicated.
10) Gable studs spaced at 2-0-0 oc.
11) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

NORTH CAROLINA PROFESSIONAL SEAL 28147 ENGINEER MARK K. MORRIS

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Continued on page 2

NOTES- (14)

12) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 117 lb uplift at joint 2, 163 lb uplift at joint 10 and 208 lb uplift at joint 12.

LOAD CASE(S) Standard

7/11/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0010 HONEYCUTT HILLS | 199 SHELBY MEADOW LANE ANGIER, NC
24-5966-R01	R05	Roof Special	1	1	# 50509
					Job Reference (optional)

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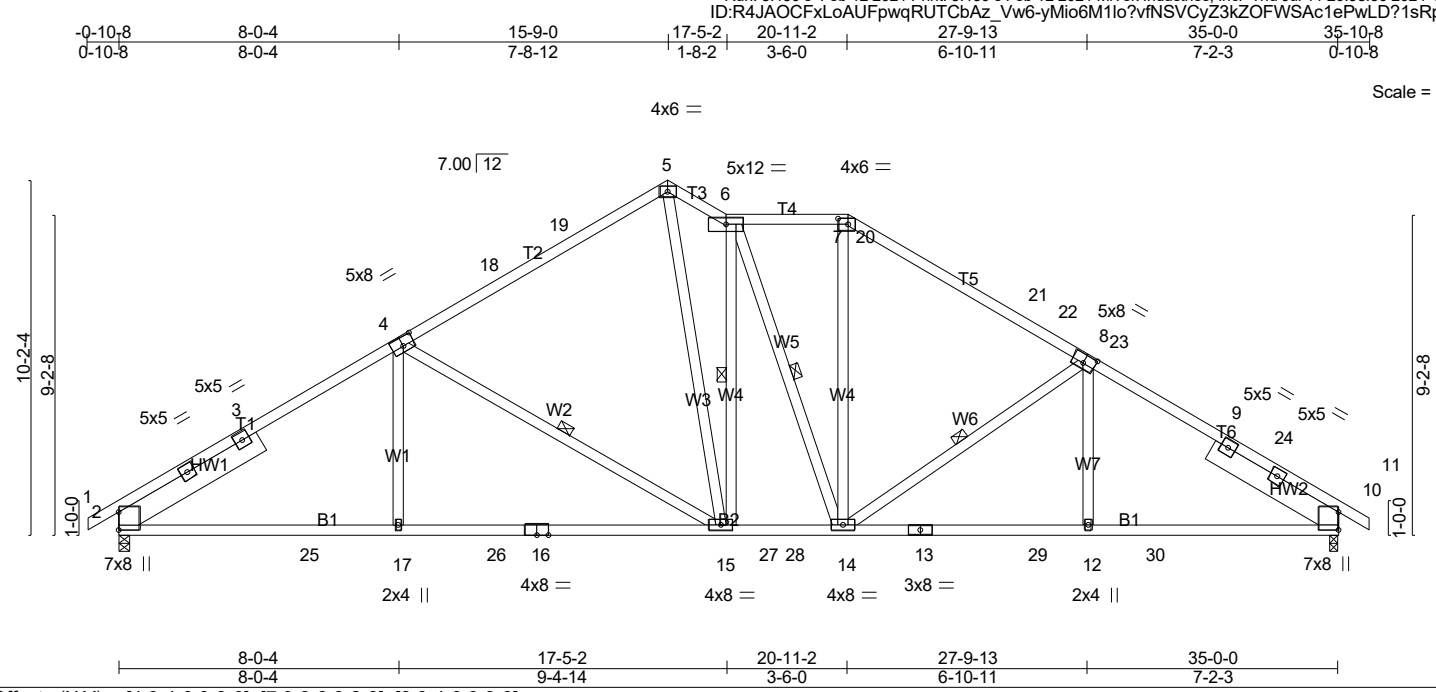

Plate Offsets (X,Y)-- [4:0-4-0,0-3-0], [7:0-3-8,0-2-0], [8:0-4-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.90	Vert(LL)	-0.20	15-17	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.25	BC	0.88	Vert(CT)	-0.44	15-17	>949	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.53	Horz(CT)	0.10	10	n/a	n/a		
BCLL	0.0 *	Code IRC2021/TPI2014		Matrix-SH							Weight: 239 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SP SS *Except*
T3,T4: 2x4 SP No.2, T1,T6: 2x4 SP No.1
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x8 SP No.2 -° 4-8-15, Right 2x8 SP No.2 -° 4-3-2

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-15, 6-15, 6-14, 8-14

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

REACTIONS. (lb/size) 2=1452/0-3-8 (min. 0-1-14), 10=1453/0-3-8 (min. 0-2-1)
Max Horz 2=-192(LC 10)
Max Uplift2=-110(LC 14), 10=-133(LC 15)
Max Grav 2=1569(LC 24), 10=1737(LC 41)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2296/156, 3-4=-2202/183, 4-18=-1540/192, 18-19=-1454/199, 5-19=-1430/216, 5-6=-1661/256, 6-20=-1476/232, 7-20=-1476/232, 7-21=-1701/225, 21-22=-1763/200, 8-22=-1859/194, 8-23=-2273/191, 9-23=-2434/190, 9-24=-2431/166, 10-24=-2561/164
BOT CHORD 2-25=-151/1966, 17-25=-151/1966, 17-26=-152/1961, 16-26=-152/1961, 15-16=-152/1961, 15-27=-6/1525, 27-28=-6/1525, 14-28=-6/1525, 13-14=-89/2019, 13-29=-89/2019, 12-29=-89/2019, 12-30=-88/2023, 10-30=-88/2023
WEBS 4-17=0/463, 4-15=-749/184, 5-15=-140/1283, 6-15=-879/199, 7-14=-20/528, 8-14=-765/157, 8-12=0/323

NOTES- (10)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 3-11-2, Interior(1) 3-11-2 to 10-11-6, Exterior(2R) 10-11-6 to 15-9-0, Exterior(2E) 15-9-0 to 17-5-2, Exterior(2R) 17-5-2 to 25-8-12, Interior(1) 25-8-12 to 31-0-14, Exterior(2E) 31-0-14 to 35-10-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
6) Provide adequate drainage to prevent water ponding.
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 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 110 lb uplift at joint 2 and 133 lb uplift at joint 10.

LOAD CASE(S) Standard

7/11/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0010 HONEYCUTT HILLS | 199 SHELBY MEADOW LANE ANGIER, NC
24-5966-R01	R06	Common	1	1	# 50509
					Job Reference (optional)

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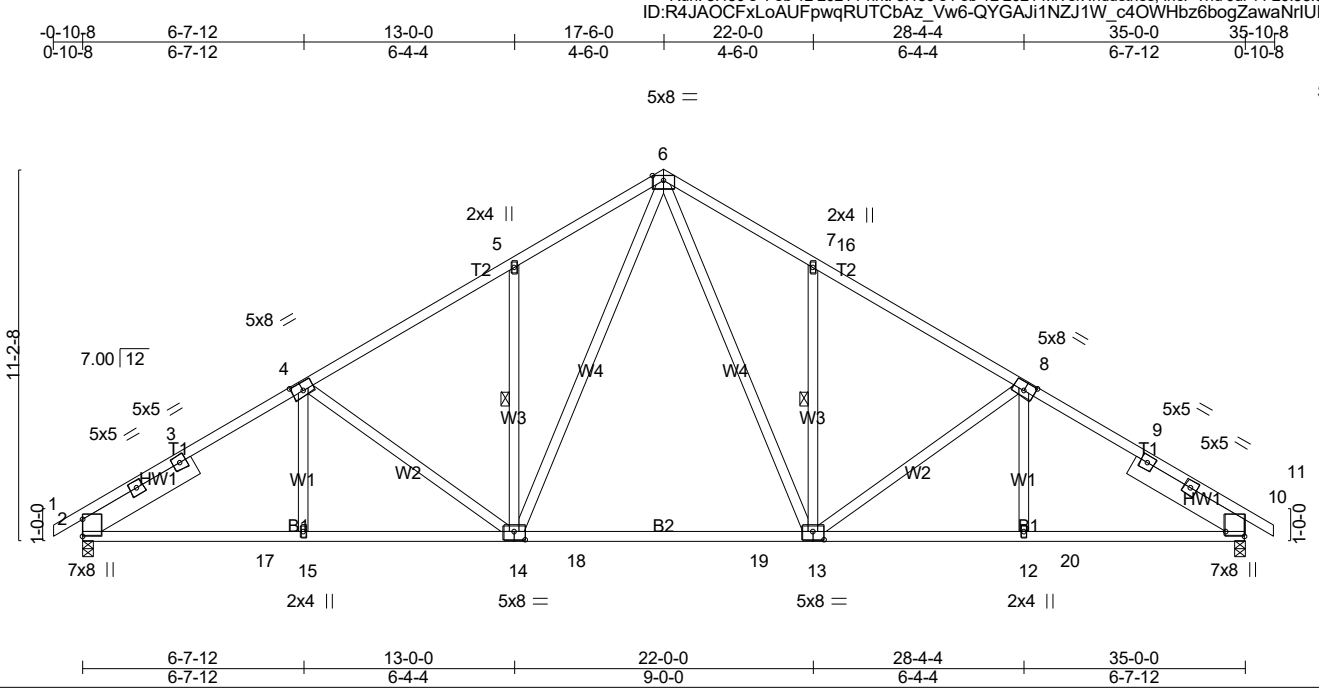


Plate Offsets (X,Y)-- [4:0-4-0,0-3-0], [8:0-4-0,0-3-0], [10:Edge,0-6-12], [13:0-4-0,0-3-0], [14:0-4-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	1.00	Vert(LL)	-0.45	13-14	>936	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.25	BC	0.99	Vert(CT)	-0.66	13-14	>637	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.52	Horz(CT)	0.09	10	n/a	n/a		
BCLL	0.0 *	Code IRC2021/TPI2014		Matrix-SH								
BCDL	10.0										Weight: 233 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
B2: 2x4 SP No.1
WEBS 2x4 SP No.3
SLIDER Left 2x8 SP No.2 -° 3-11-6, Right 2x8 SP No.2 -° 3-11-6

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 7-13, 5-14

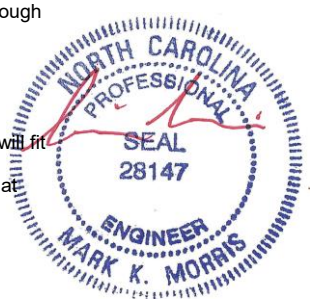
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 10=1453/0-3-8 (min. 0-1-13), 2=1453/0-3-8 (min. 0-1-13)
Max Horz 2=-212(LC 10)
Max Uplift10=-118(LC 15), 2=-118(LC 14)
Max Grav 10=1510(LC 25), 2=1510(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2203/149, 3-4=-2107/171, 4-5=-1836/199, 5-6=-1872/295, 6-7=-1872/296, 7-16=-1675/199, 8-16=-1836/197, 8-9=-2108/171, 9-10=-2203/149
BOT CHORD 2-17=-196/1892, 15-17=-196/1892, 14-15=-195/1893, 14-18=-4/1258, 18-19=-4/1258, 13-19=-4/1258, 12-13=-74/1737, 12-20=-75/1735, 10-20=-75/1735
WEBS 6-13=-196/975, 7-13=-488/181, 8-13=-342/143, 6-14=-196/975, 5-14=-477/182, 4-14=-342/142

NOTES- (9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 3-11-2, Interior(1) 3-11-2 to 12-8-6, Exterior(2R) 12-8-6 to 22-3-10, Interior(1) 22-3-10 to 31-0-14, Exterior(2E) 31-0-14 to 35-10-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 118 lb uplift at joint 10 and 118 lb uplift at joint 2.

LOAD CASE(S) Standard



7/11/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0010 HONEYCUTT HILLS | 199 SHELBY MEADOW LANE ANGIER, NC
24-5966-R01	R07	Common	1	1	# 50509
					Job Reference (optional)

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 11 20:38:38 2024 Page 1
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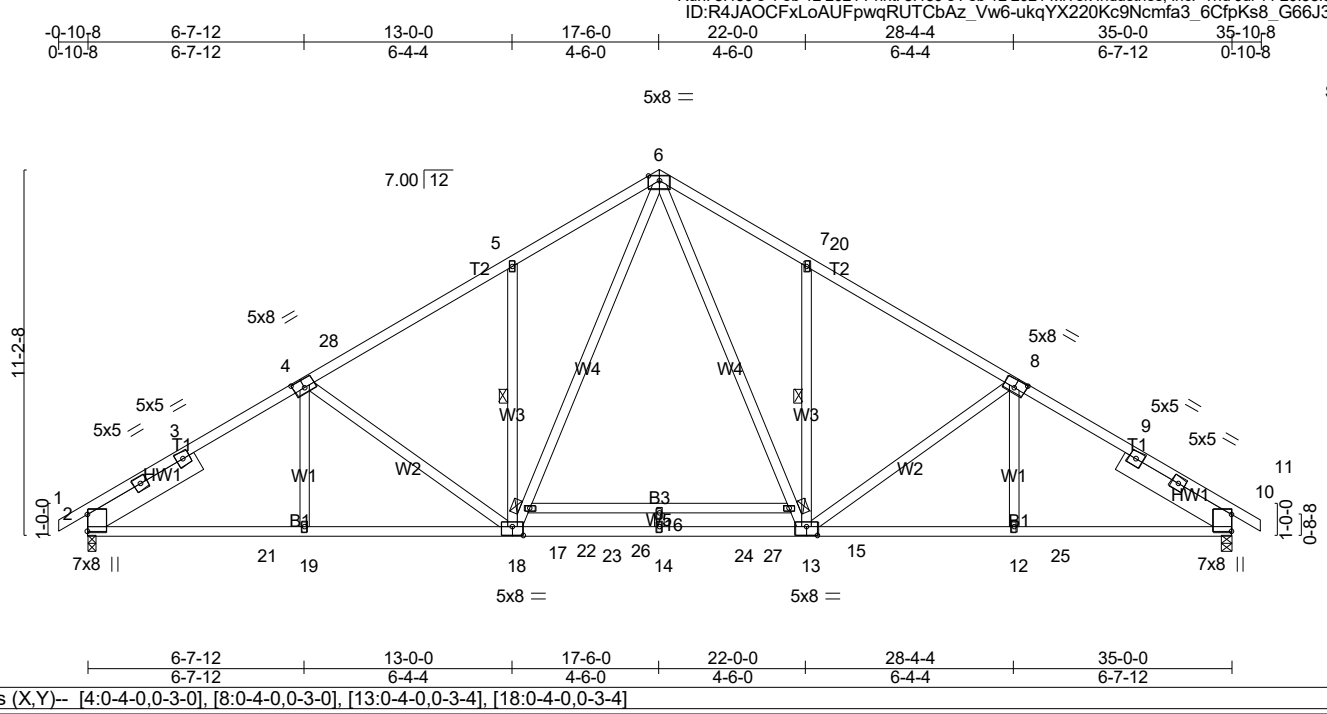

Plate Offsets (X,Y)-- [4:0-4-0,0-3-0], [8:0-4-0,0-3-0], [13:0-4-0,0-3-4], [18:0-4-0,0-3-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.95	Vert(LL)	-0.49	16	>850	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.25	BC	0.97	Vert(CT)	-0.75	16	>557	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.49	Horz(CT)	0.09	10	n/a	n/a		
BCLL	0.0 *	Code IRC2021/TPI2014		Matrix-SH							Weight: 246 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
T1: 2x4 SP No.1
BOT CHORD 2x4 SP No.1 *Except*
B2: 2x4 SP SS
WEBS 2x4 SP No.3
SLIDER Left 2x8 SP No.2 -° 3-11-6, Right 2x8 SP No.2 -° 3-11-6

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 7-13, 5-18

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

REACTIONS. (lb/size) 2=1535/0-3-8 (min. 0-2-0), 10=1535/0-3-8 (min. 0-2-0)
Max Horz 2=-212(LC 10)
Max Uplift2=-77(LC 14), 10=-77(LC 15)
Max Grav 2=1690(LC 24), 10=1690(LC 25)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2508/82, 3-4=-2413/102, 4-28=-2172/122, 5-28=-2010/123, 5-6=-2209/219, 6-7=-2209/219, 7-20=-2010/123, 8-20=-2172/122, 8-9=-2413/102, 9-10=-2508/82
BOT CHORD 2-21=-139/2145, 19-21=-139/2145, 18-19=-138/2147, 18-22=0/1425, 22-23=0/1425, 14-23=0/1425, 14-24=0/1425, 13-24=0/1425, 12-13=-18/1990, 12-25=-19/1989, 10-25=-19/1989
WEBS 6-15=-153/1155, 13-15=-189/1048, 7-13=-488/180, 8-13=-321/155, 17-18=-190/1049, 6-17=-153/1155, 5-18=-488/180, 4-18=-321/154

NOTES- (10)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 3-11-2, Interior(1) 3-11-2 to 12-8-6, Exterior(2R) 12-8-6 to 22-3-10, Interior(1) 22-3-10 to 31-0-14, Exterior(2E) 31-0-14 to 35-10-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
6) All plates are 2x4 MT20 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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 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 77 lb uplift at joint 2 and 77 lb uplift at joint 10.

LOAD CASE(S) Standard

7/11/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0010 HONEYCUTT HILLS | 199 SHELBY MEADOW LANE ANGIER, NC
24-5966-R01	R08	Common	6	1	# 50509
					Job Reference (optional)

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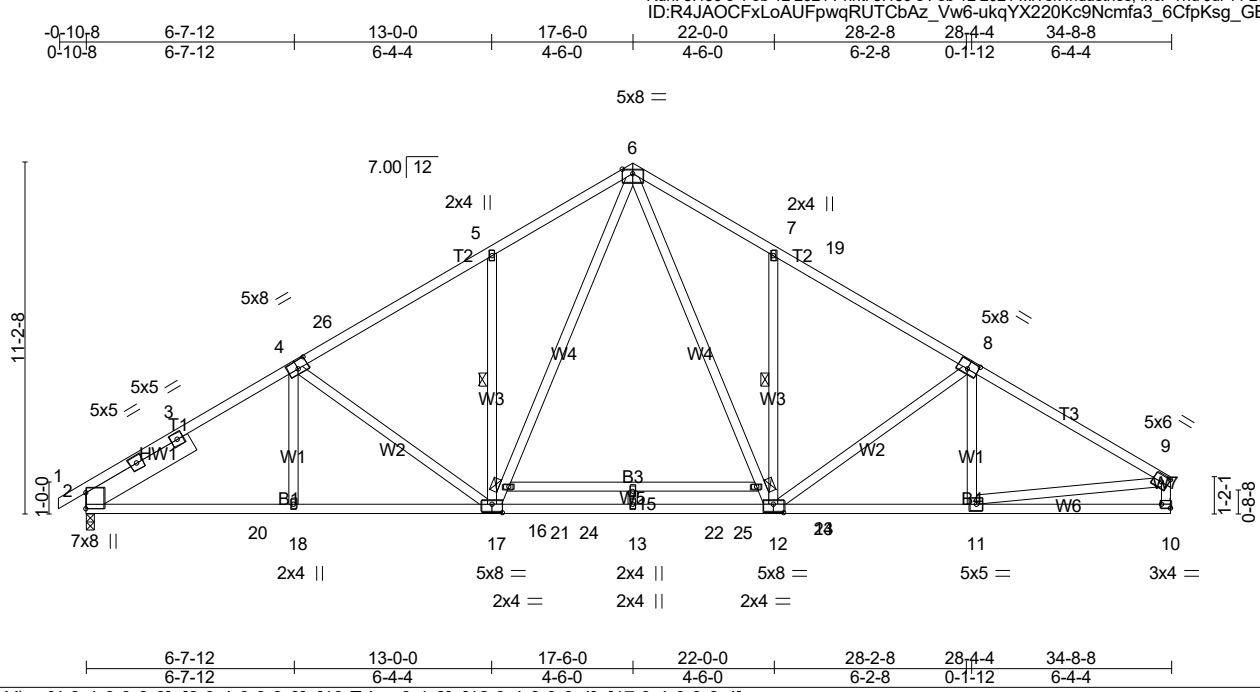


Plate Offsets (X,Y)-- [4:0-4-0,0-3-0], [8:0-4-0,0-3-0], [10:Edge,0-1-8], [12:0-4-0,0-3-4], [17:0-4-0,0-3-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.92	Vert(LL)	-0.48	15	>859	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.25	BC	0.96	Vert(CT)	-0.73	15	>564	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.68	Horz(CT)	0.07	10	n/a	n/a		
BCLL	0.0 *	Code	IRC2021/TPI2014	Matrix-SH							Weight: 241 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SP No.2 *Except* T1: 2x4 SP No.1
BOT CHORD 2x4 SP No.1 *Except* B2: 2x4 SP SS
WEBS 2x4 SP No.3
SLIDER Left 2x8 SP No.2 -° 3-11-6

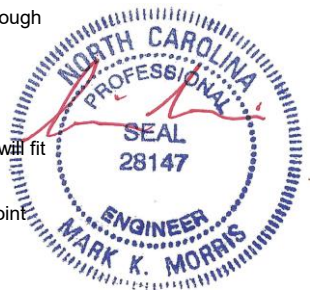
BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 5-17, 7-12

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

REACTIONS. (lb/size) 2=1517/0-3-8 (min. 0-1-15), 10=1465/Mechanical
Max Horz 2=208(LC 11)
Max Uplift2=-77(LC 14), 10=-59(LC 15)
Max Grav 2=1662(LC 24), 10=1580(LC 25)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2457/80, 3-4=-2362/101, 4-26=-2118/121, 5-26=-1960/123, 5-6=-2154/217, 6-7=-2103/216, 7-19=-1930/123, 8-19=-2088/121, 8-9=-2227/95, 9-10=-1502/88
BOT CHORD 2-20=-150/2099, 18-20=-150/2099, 17-18=-151/2097, 17-21=0/1381, 13-21=0/1381, 13-22=0/1381, 22-23=0/1381, 12-23=0/1381, 11-12=-29/1851
WEBS 4-17=-322/156, 5-17=-479/176, 16-17=-188/1043, 6-16=-151/1153, 6-14=-149/1053, 12-14=-185/943, 7-12=-440/174, 8-12=-298/149, 9-11=-9/1665

NOTES- (10)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 3-11-2, Interior(1) 3-11-2 to 12-8-6, Exterior(2R) 12-8-6 to 22-3-10, Interior(1) 22-3-10 to 29-9-2, Exterior(2E) 29-9-2 to 34-6-12 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 77 lb uplift at joint 2 and 59 lb uplift at joint 10.



LOAD CASE(S) Standard

7/11/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0010 HONEYCUTT HILLS | 199 SHELBY MEADOW LANE ANGIER, NC
24-5966-R01	R09	Common	1	1	# 50509
					Job Reference (optional)

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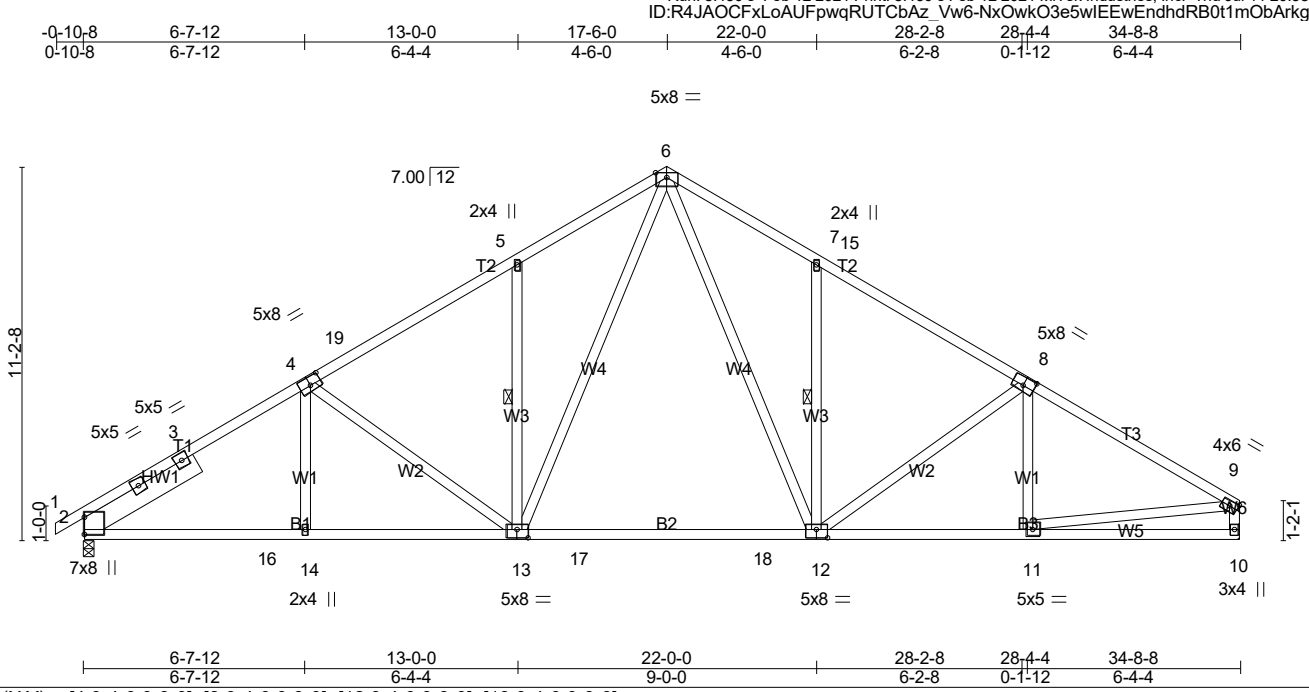

Plate Offsets (X,Y)-- [4:0-4-0,0-3-0], [8:0-4-0,0-3-0], [12:0-4-0,0-3-0], [13:0-4-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.96	Vert(LL)	-0.44	12-13	>947	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.25	BC	0.98	Vert(CT)	-0.64	12-13	>647	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.60	Horz(CT)	0.07	10	n/a	n/a		
BCLL	0.0 *	Code IRC2021/TPI2014		Matrix-SH							Weight: 228 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
B2: 2x4 SP No.1
WEBS 2x4 SP No.3
SLIDER Left 2x8 SP No.2 -° 3-11-6

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 5-13, 7-12

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

REACTIONS. (lb/size) 2=1436/0-3-8 (min. 0-1-12), 10=1382/Mechanical
Max Horz 2=208(LC 11)
Max Uplift2=-118(LC 14), 10=-101(LC 15)
Max Grav 2=1484(LC 24), 10=1397(LC 25)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2156/148, 3-4=-2060/169, 4-19=-1787/197, 5-19=-1629/199, 5-6=-1821/294, 6-7=-1774/292, 7-15=-1601/198, 8-15=-1760/197, 8-9=-1945/159, 9-10=-1324/129
BOT CHORD 2-16=-207/1848, 14-16=-207/1848, 13-14=-207/1846, 13-17=-17/1212, 17-18=-17/1212, 12-18=-17/1212, 11-12=-85/1607
WEBS 4-13=-342/144, 5-13=-480/177, 6-13=-194/973, 6-12=-189/881, 7-12=-441/174, 8-12=-321/137, 9-11=-64/1438

NOTES- (10)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 3-11-2, Interior(1) 3-11-2 to 12-8-6, Exterior(2R) 12-8-6 to 22-3-10, Interior(1) 22-3-10 to 29-9-2, Exterior(2E) 29-9-2 to 34-6-12 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 118 lb uplift at joint 2 and 101 lb uplift at joint 10.

LOAD CASE(S) Standard

7/11/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0010 HONEYCUTT HILLS | 199 SHELBY MEADOW LANE ANGIER, NC
24-5966-R01	R10	Hip	1	1	# 50509
					Job Reference (optional)

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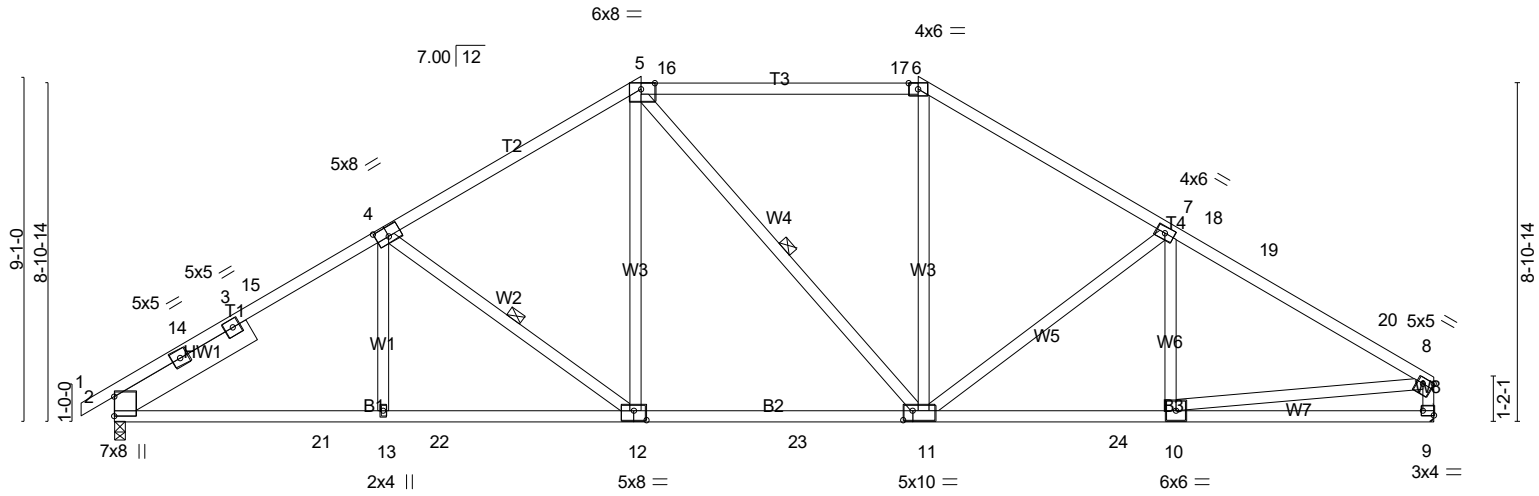
-0-10-8 | 7-0-14 | 13-10-5 | 21-1-11 | 27-9-6 | 34-8-8
0-10-8 | 7-0-14 | 6-9-6 | 7-3-7 | 6-7-10 | 6-11-2

Scale = 1:60.6



7-0-14 | 13-10-5 | 21-1-11 | 27-9-6 | 34-8-8
7-0-14 | 6-9-6 | 7-3-7 | 6-7-10 | 6-11-2

Plate Offsets (X,Y)-- [4:0-4-0,0-3-0], [5:0-4-6,Edge], [8:Edge,0-1-12], [9:Edge,0-1-8], [11:0-3-0,0-3-0], [12:0-4-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.93	Vert(LL)	-0.24	11-12	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.25	BC	0.91	Vert(CT)	-0.37	11-12	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.78	Horz(CT)	0.09	9	n/a	n/a		
BCLL	0.0 *	Code IRC2021/TPI2014		Matrix-SH							Weight: 214 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SP SS *Except* T4,T1: 2x4 SP No.1
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x8 SP No.2 -° 4-2-6

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-12, 5-11

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

REACTIONS. (lb/size) 2=1436/0-3-8 (min. 0-2-3), 9=1382/Mechanical
Max Horz 2=165(LC 11)
Max Uplift2=-100(LC 14), 9=-83(LC 15)
Max Grav 2=1853(LC 39), 9=1810(LC 39)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-14=-2762/158, 3-14=-2605/160, 3-15=-2608/168, 4-15=-2561/186, 4-5=-2105/223, 5-16=-1635/233, 16-17=-1635/233, 6-17=-1635/233, 6-7=-2092/226, 7-18=-2258/184, 18-19=-2294/182, 19-20=-2455/164, 8-20=-2578/159, 8-9=-1740/133
BOT CHORD 2-21=-149/2224, 13-21=-149/2224, 13-22=-150/2221, 12-22=-150/2221, 12-23=-38/1675, 11-23=-38/1675, 11-24=-104/2120, 10-24=-104/2120, 9-10=-36/265
WEBS 4-13=0/259, 4-12=-670/164, 5-12=-24/712, 6-11=-1/618, 7-11=-596/156, 8-10=-88/1873

NOTES- (11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 3-11-2, Interior(1) 3-11-2 to 7-0-13, Exterior(2R) 7-0-13 to 27-9-6, Interior(1) 27-9-6 to 29-9-2, Exterior(2E) 29-9-2 to 34-6-12 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
6) Provide adequate drainage to prevent water ponding.
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
9) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint 2 and 83 lb uplift at joint 9.

NORTH CAROLINA PROFESSIONAL SEAL 28147 ENGINEER MARK K. MORRIS

LOAD CASE(S) Standard

7/11/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0010 HONEYCUTT HILLS | 199 SHELBY MEADOW LANE ANGIER, NC
24-5966-R01	R11	Hip Supported Gable	1	1	Job Reference (optional) **# 50509**

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 11 20:38:40 2024 Page 1
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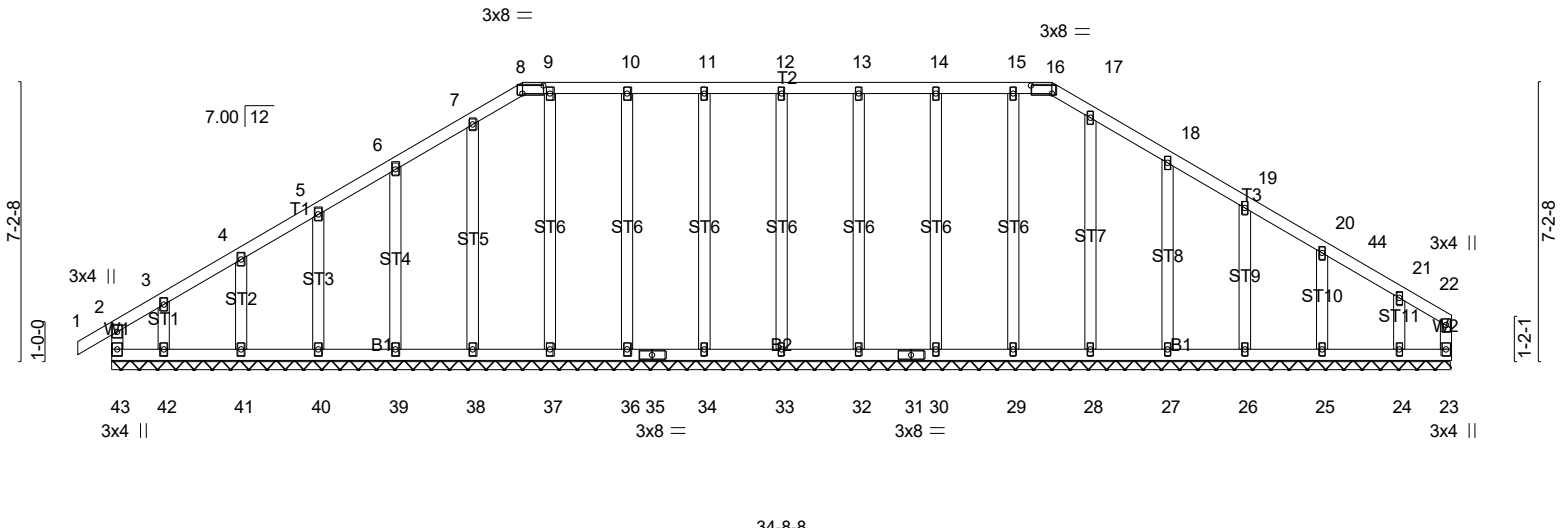
-0-10-8 | 10-7-11 | 24-4-5 | 34-8-8
0-10-8 | 10-7-11 | 13-8-9 | 10-4-3

Scale = 1:59.7



34-8-8
34-8-8

Plate Offsets (X,Y)-- [8:0-6-8,0-2-8], [16:0-6-8,0-2-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.13	Vert(LL)	0.00	1	n/r	180	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.25	BC	0.10	Vert(CT)	-0.00	1	n/r	80		
TCDL	10.0	Rep Stress Incr	YES	WB	0.20	Horz(CT)	0.00	23	n/a	n/a		
BCLL	0.0 *	Code IRC2021/TPI2014		Matrix-R							Weight: 235 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.3
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 6-0-0 oc bracing.

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

REACTIONS. All bearings 34-8-8.
(lb) - Max Horz 43=127(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 43, 23, 33, 34, 36, 37, 38, 39, 40, 41, 32, 30, 29, 27, 26, 25, 24 except 42=-108(LC 14)
Max Grav All reactions 250 lb or less at joint(s) 43, 23, 42, 24 except 33=297(LC 44), 34=296(LC 44), 36=301(LC 44), 37=292(LC 52), 38=314(LC 47), 39=326(LC 47), 40=273(LC 47), 41=263(LC 39), 32=297(LC 44), 30=299(LC 44), 29=294(LC 52), 28=294(LC 49), 27=331(LC 49), 26=273(LC 49), 25=256(LC 39)

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

NOTES- (15)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) -0-10-8 to 3-11-2, Exterior(2N) 3-11-2 to 5-10-2, Corner(3R) 5-10-2 to 15-4-4, Exterior(2N) 15-4-4 to 19-4-4, Corner(3R) 19-4-4 to 29-4-4, Exterior(2N) 29-4-4 to 29-9-2, Corner(3E) 29-9-2 to 34-6-12 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
7) Provide adequate drainage to prevent water ponding.
8) All plates are 2x4 MT20 unless otherwise indicated.
9) Gable requires continuous bottom chord bearing.
10) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
11) Gable studs spaced at 2-0-0 oc.
12) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
13) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
14) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 43, 23, 33, 34, 36, 37 , 38, 39, 40, 41, 32, 30, 29, 27, 26, 25, 24 except (jt=lb) 42=108.

7/11/2024

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	LOT 0.0010 HONEYCUTT HILLS | 199 SHELBY MEADOW LANE ANGIER, NC
24-5966-R01	R12	Hip Supported Gable	1	1	# 50509
					Job Reference (optional)

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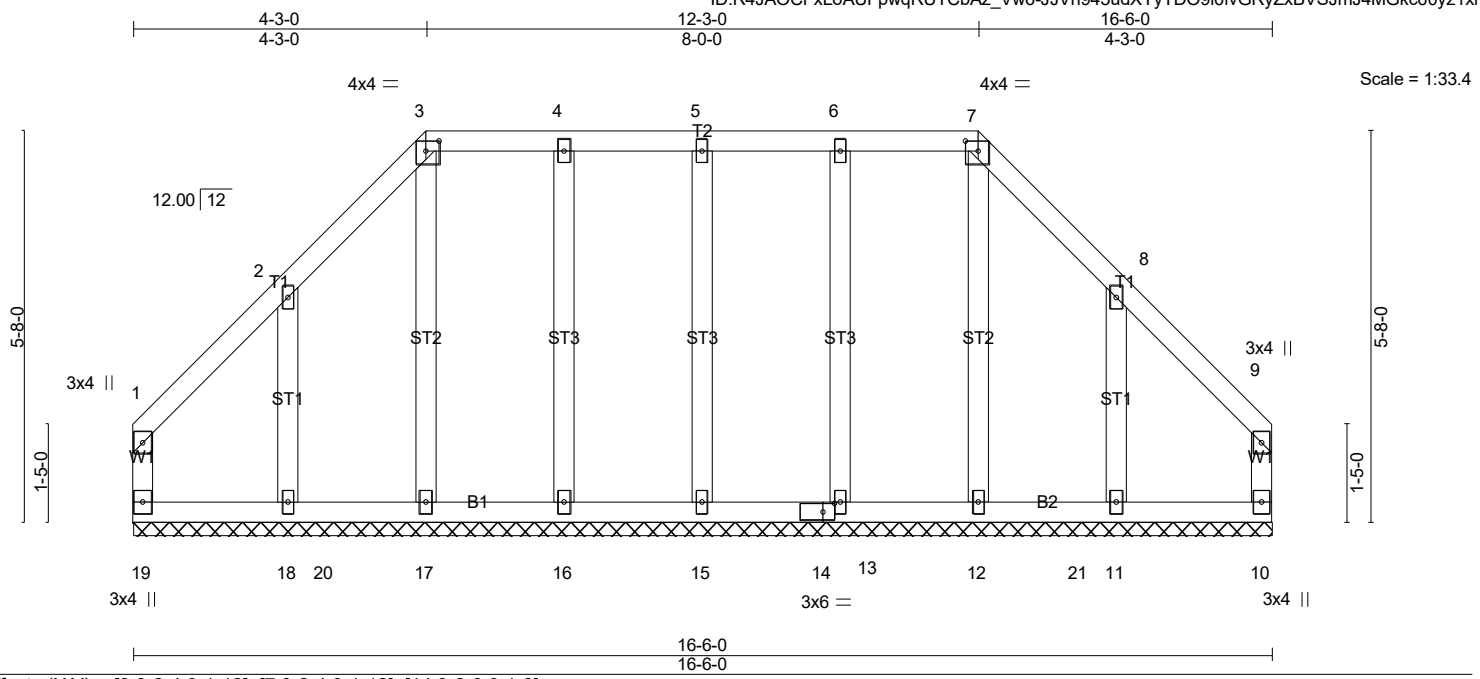

Plate Offsets (X,Y)-- [3:0-2-4,0-1-12], [7:0-2-4,0-1-12], [14:0-2-0,0-1-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.25	BC	0.10	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	10	n/a	n/a		
BCLL	0.0 *	Code IRC2021/TPI2014		Matrix-R							Weight: 105 lb	FT = 20%
BCDL	10.0											

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

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

REACTIONS. All bearings 16-6-0.
(lb) - Max Horz 19=-81(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 19, 10, 15, 16, 13 except 18=-130(LC 12), 11=-128(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 19, 10, 15, 16, 17, 13, 12, 11 except 18=252(LC 19)

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

NOTES- (13)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) 0-1-12 to 4-3-0, Corner(3R) 4-3-0 to 12-3-0, Corner(3E) 12-3-0 to 16-4-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
5) Provide adequate drainage to prevent water ponding.
6) All plates are 2x4 MT20 unless otherwise indicated.
7) Gable requires continuous bottom chord bearing.
8) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
9) Gable studs spaced at 2-0-0 oc.
10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
11) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 19, 10, 15, 16, 13 except (jt=lb) 18=130, 11=128.

LOAD CASE(S) Standard

7/11/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0010 HONEYCUTT HILLS | 199 SHELBY MEADOW LANE ANGIER, NC
24-5966-R01	R13	Hip Girder	1	2	Job Reference (optional) **# 50509**

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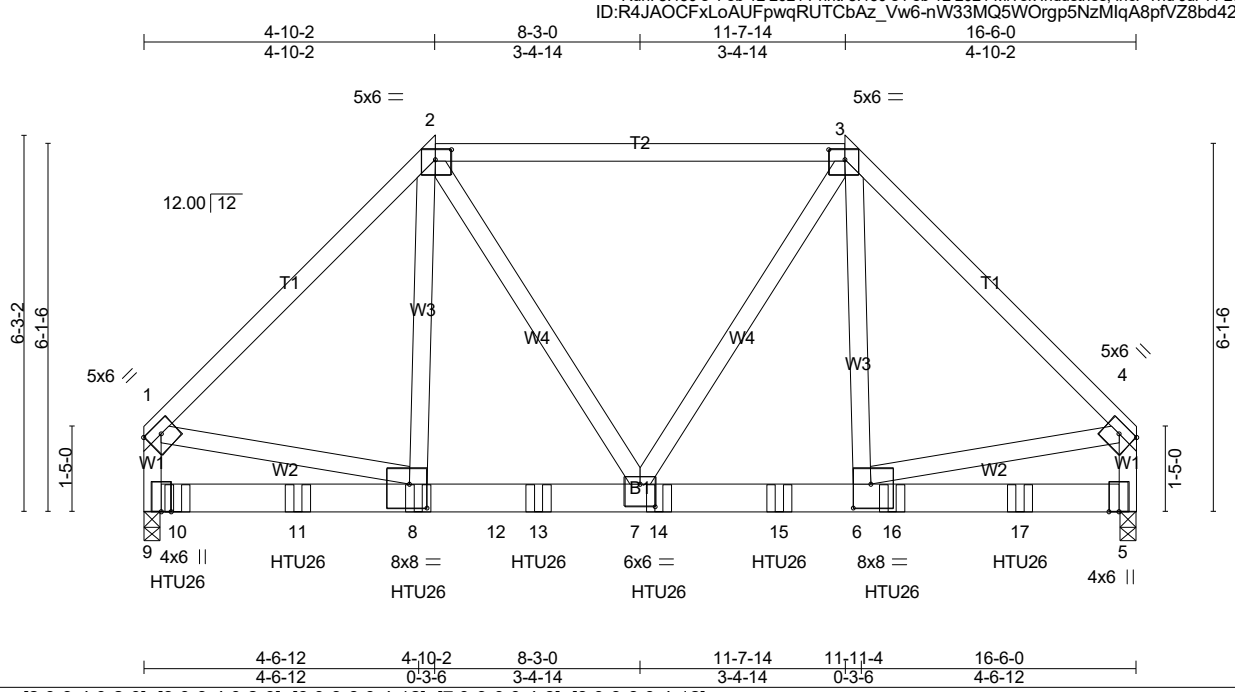

Plate Offsets (X,Y)-- [2:0-3-4,0-2-0], [3:0-3-4,0-2-0], [6:0-3-8,0-4-12], [7:0-3-0,0-4-8], [8:0-3-8,0-4-12]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.82	Vert(LL)	-0.06	5-6	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.25	BC	0.97	Vert(CT)	-0.10	5-6	>999	180		
TCDL	10.0	Rep Stress Incr	NO	WB	0.77	Horz(CT)	0.02	5	n/a	n/a		
BCLL	0.0 *	Code IRC2021/TPI2014		Matrix-SH							Weight: 240 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3 *Except*
W1: 2x4 SP No.2

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

REACTIONS. (lb/size) 9=6956/0-3-8 (min. 0-1-8), 5=6171/0-3-8 (min. 0-1-8)
Max Horz 9=92(LC 7)
Max Uplift9=-330(LC 10), 5=-324(LC 11)
Max Grav 9=7135(LC 4), 5=6171(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-5873/295, 2-3=-4733/279, 3-4=-5820/322, 1-9=-5130/260, 4-5=-5091/283
BOT CHORD 9-10=-133/549, 10-11=-133/549, 8-11=-133/549, 8-12=-239/3972, 12-13=-239/3972, 7-13=-239/3972, 7-14=-213/3939, 14-15=-213/3939, 6-15=-213/3939, 6-16=-76/495, 16-17=-76/495, 5-17=-76/495
WEBS 2-7=-106/1509, 3-7=-72/1682, 1-8=-211/3715, 4-6=-228/3710, 2-8=-92/2508, 3-6=-141/2452

NOTES- (13)
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-4-0 oc.
Webs 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=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
5) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
6) Provide adequate drainage to prevent water ponding.
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
9) Bearing at joint(s) 9, 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=330, 5=324.
11) Use Simpson Strong-Tie HTU26 (20-10d Girder, 11-10dx1 1/2 Truss, Single Ply Girder) or equivalent spaced at 2-1-8 oc max. starting at 0-6-12 from the left end to 14-6-12 to connect truss(es) R08 (1 ply 2x4 SP), R09 (1 ply 2x4 SP), R10 (1 ply 2x4 SP) to back face of bottom chord.
12) Fill all nail holes where hanger is in contact with lumber.

Continued on page 2

NORTH CAROLINA PROFESSIONAL SEAL 28147 ENGINEER MARK K. MORRIS

7/11/2024

LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 1-2=-60, 2-3=-60, 3-4=-60, 5-9=-20
   Concentrated Loads (lb)
      Vert: 8=-1445(B) 10=-1451(B) 11=-1445(B) 13=-1445(B) 14=-1445(B) 15=-1445(B) 16=-1362(B) 17=-1790(B)

7/11/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0010 HONEYCUTT HILLS | 199 SHELBY MEADOW LANE ANGIER, NC
24-5966-R01	R14	GABLE	1	1	# 50509
					Job Reference (optional)

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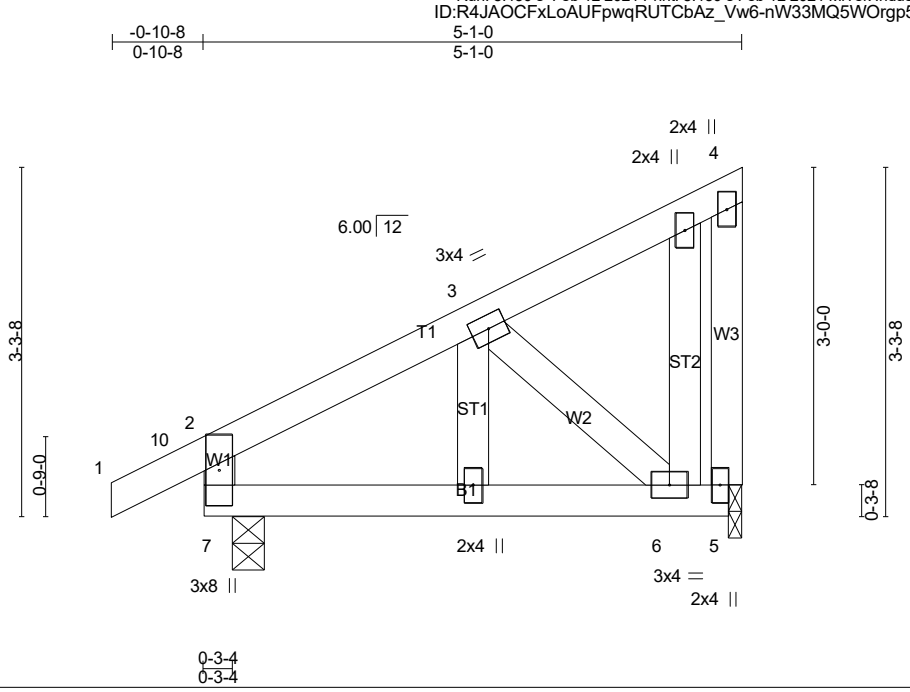


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.23	Vert(LL)	-0.02	6-7	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.25	BC	0.33	Vert(CT)	-0.04	6-7	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	5	n/a	n/a		
BCLL	0.0 *	Code IRC2021/TPI2014		Matrix-SH							Weight: 31 lb	FT = 20%
BCDL	10.0											

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-1-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

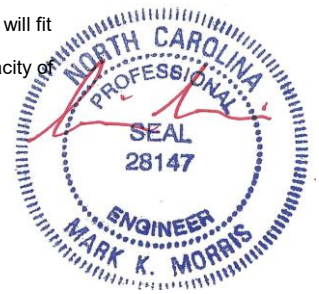
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 7=259/0-3-8 (min. 0-1-8), 5=185/0-1-8 (min. 0-1-8)
Max Horz 7=86(LC 14)
Max Uplift7=-17(LC 14), 5=-50(LC 14)
Max Grav 7=351(LC 21), 5=265(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-7=-289/107

NOTES- (12)
1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
9) 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.
10) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 5.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7, 5.

LOAD CASE(S) Standard



7/11/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0010 HONEYCUTT HILLS | 199 SHELBY MEADOW LANE ANGIER, NC
24-5966-R01	R15	Monopitch	7	1	Job Reference (optional) **# 50509**

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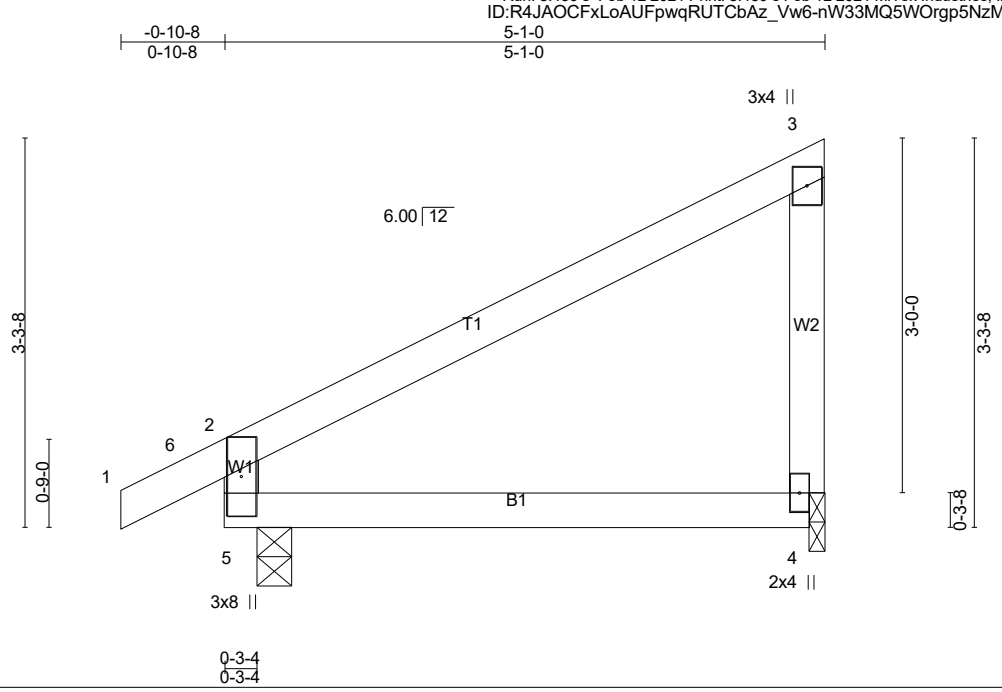

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.46	Vert(LL)	-0.02	4-5	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.25	BC	0.21	Vert(CT)	-0.04	4-5	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0 *	Code IRC2021/TPI2014		Matrix-R							Weight: 22 lb	FT = 20%
BCDL	10.0											

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 5-1-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 5=259/0-3-8 (min. 0-1-8), 4=185/0-1-8 (min. 0-1-8)
Max Horz 5=86(LC 14)
Max Uplift5=-17(LC 14), 4=-50(LC 14)
Max Grav 5=351(LC 21), 4=265(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-321/132

NOTES- (10)
1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
7) 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.
8) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 4.

LOAD CASE(S) Standard

7/11/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0010 HONEYCUTT HILLS | 199 SHELBY MEADOW LANE ANGIER, NC
24-5966-R01	R16	Monopitch Structural Gable	1	1	# 50509
					Job Reference (optional)

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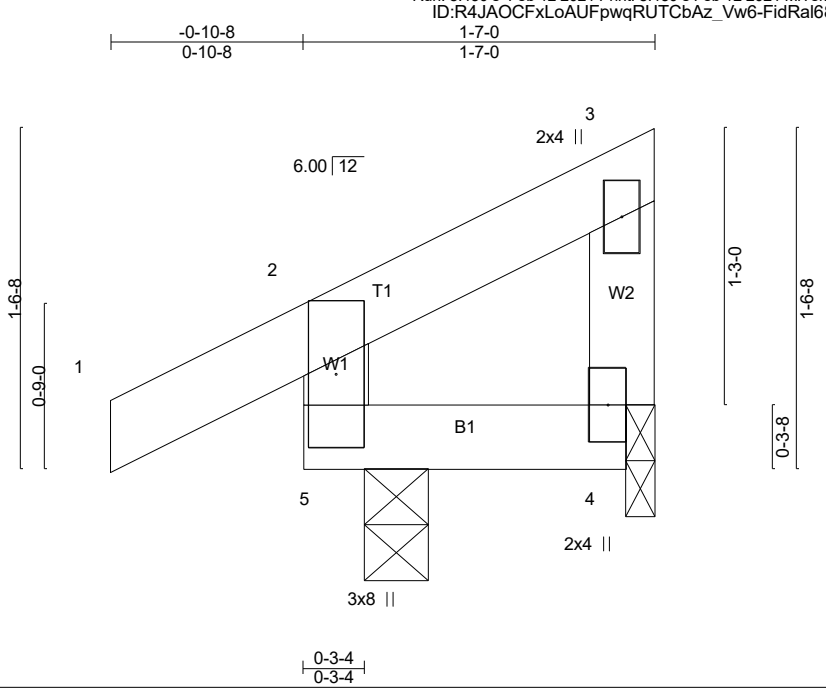

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.12	Vert(LL)	-0.00	5	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	-0.00	5	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	4	n/a	n/a		
BCLL	0.0 *	Code IRC2021/TPI2014		Matrix-R							Weight: 8 lb	FT = 20%
BCDL	10.0											

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

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

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

REACTIONS. (lb/size) 5=137/0-3-8 (min. 0-1-8), 4=27/0-1-8 (min. 0-1-8)
Max Horz 5=33(LC 14)
Max Uplift5=-14(LC 14), 4=-16(LC 14)
Max Grav 5=184(LC 21), 4=33(LC 21)

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

NOTES- (12)
1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
9) 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.
10) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 4.

LOAD CASE(S) Standard

7/11/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0010 HONEYCUTT HILLS | 199 SHELBY MEADOW LANE ANGIER, NC
24-5966-R01	SP01	Common Supported Gable	1	1	# 50509
					Job Reference (optional)

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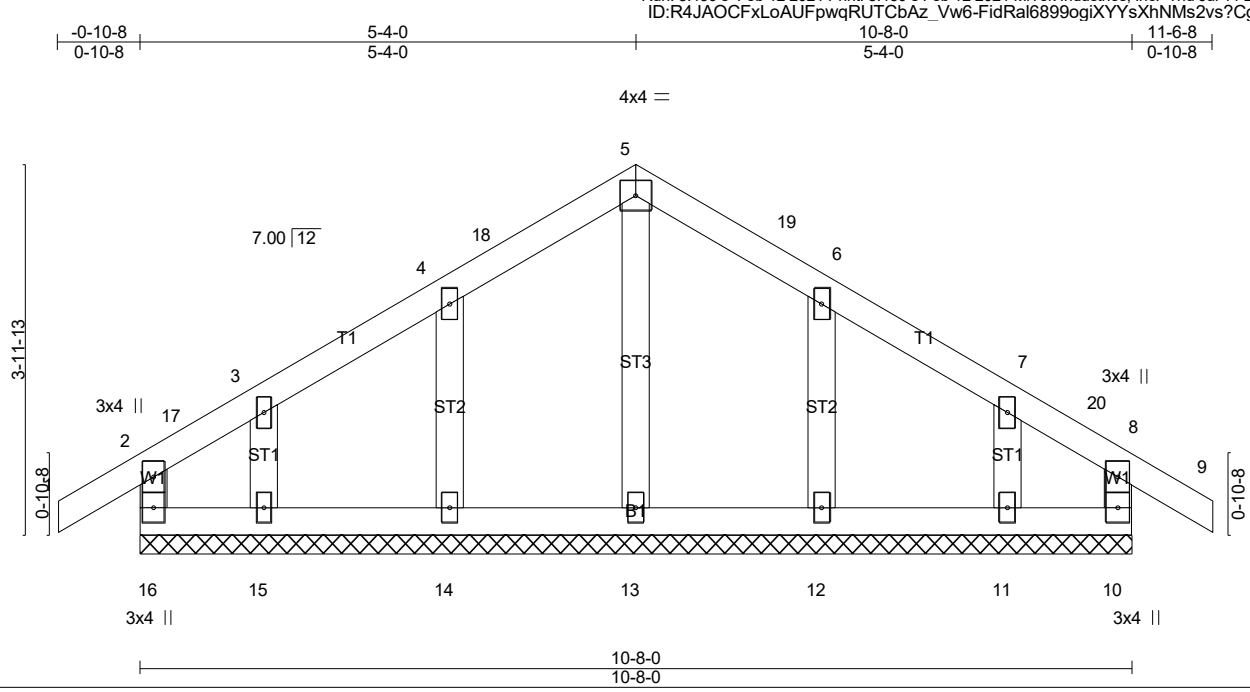


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.12	Vert(LL)	-0.00	9	n/r	180	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.25	BC	0.05	Vert(CT)	-0.00	9	n/r	80		
TCDL	10.0	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	10	n/a	n/a		
BCLL	0.0 *	Code IRC2021/TPI2014		Matrix-R							Weight: 54 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.3
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 6-0-0 oc bracing.

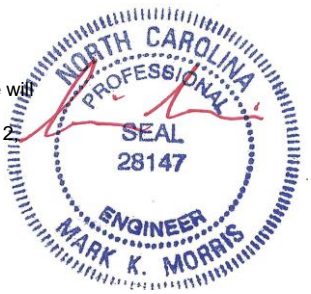
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 10-8-0.
(lb) - Max Horz 16=-71(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 16, 10, 14, 15, 12, 11
Max Grav All reactions 250 lb or less at joint(s) 16, 10, 13, 15, 11 except 14=258(LC 21), 12=258(LC 22)

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

NOTES- (14)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) -0-10-8 to 3-11-2, Corner(3R) 3-11-2 to 6-8-14, Corner(3E) 6-8-14 to 11-6-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
7) All plates are 2x4 MT20 unless otherwise indicated.
8) Gable requires continuous bottom chord bearing.
9) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
10) Gable studs spaced at 2-0-0 oc.
11) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
12) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 16, 10, 14, 15, 12, 11.

LOAD CASE(S) Standard



7/11/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0010 HONEYCUTT HILLS | 199 SHELBY MEADOW LANE ANGIER, NC
24-5966-R01	SP02	Common	3	1	# 50509
					Job Reference (optional)

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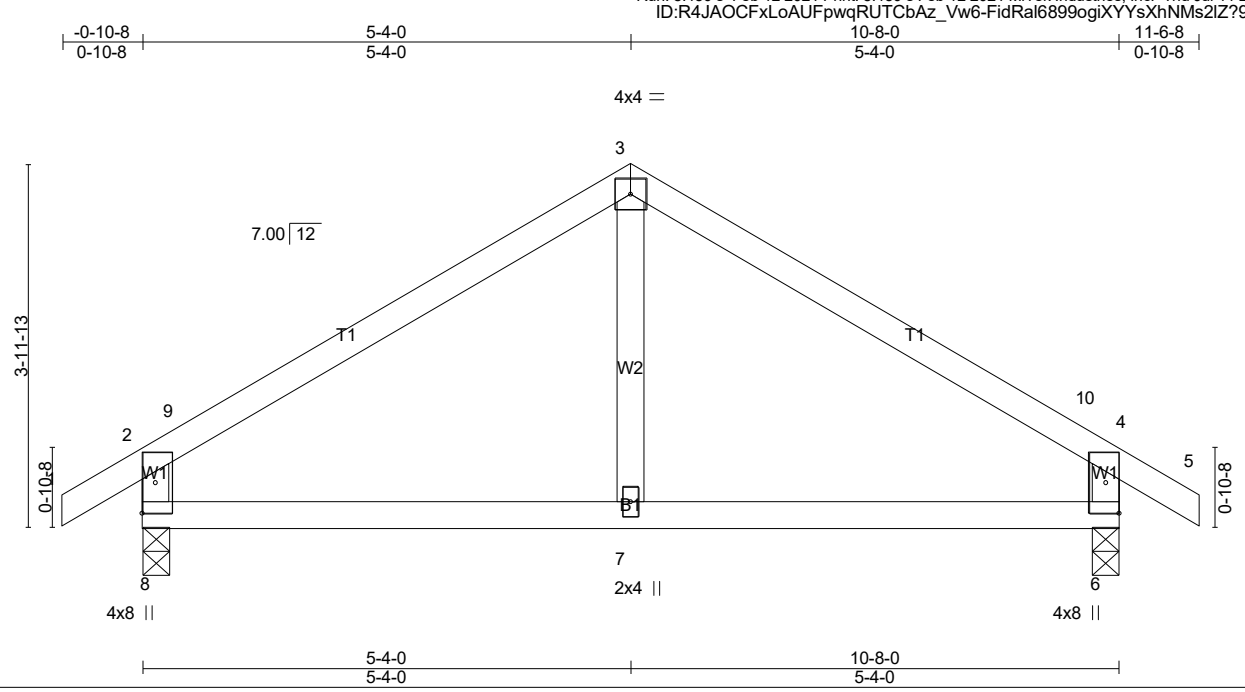

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.71	Vert(LL)	-0.02	7-8	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.25	BC	0.25	Vert(CT)	-0.04	7-8	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.01	6	n/a	n/a		
BCLL	0.0 *	Code IRC2021/TPI2014		Matrix-R							Weight: 44 lb	FT = 20%
BCDL	10.0											

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.

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

REACTIONS. (lb/size) 8=476/0-3-8 (min. 0-1-8), 6=476/0-3-8 (min. 0-1-8)
Max Horz 8=-71(LC 12)
Max Uplift8=-46(LC 14), 6=-46(LC 15)
Max Grav 8=566(LC 21), 6=566(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-9=-511/68, 3-9=-498/94, 3-10=-498/94, 4-10=-511/68, 2-8=-516/144, 4-6=-516/144
BOT CHORD 7-8=-3/327, 6-7=-3/327

NOTES- (9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 3-11-2, Exterior(2R) 3-11-2 to 6-8-14, Exterior(2E) 6-8-14 to 11-6-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 6.

LOAD CASE(S) Standard

7/11/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0010 HONEYCUTT HILLS | 199 SHELBY MEADOW LANE ANGIER, NC
24-5966-R01	VT01	GABLE	1	1	# 50509
					Job Reference (optional)

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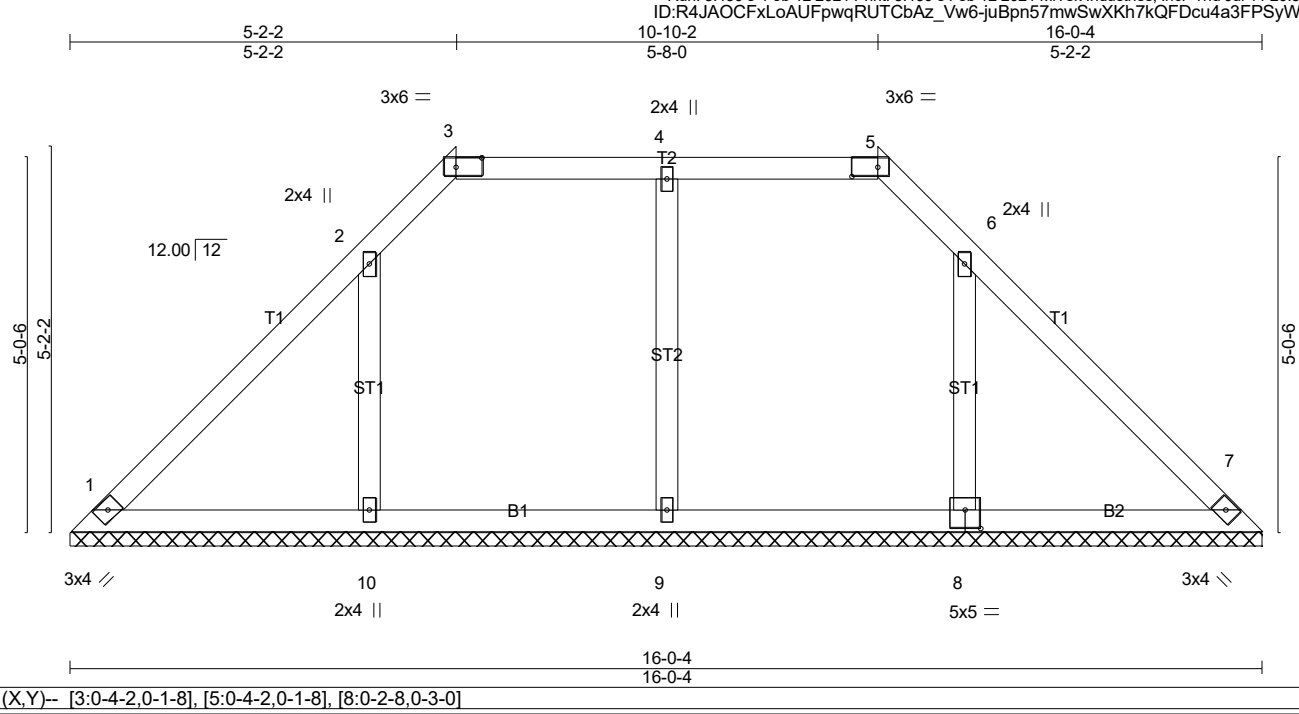

Plate Offsets (X,Y)-- [3:0-4-2,0-1-8], [5:0-4-2,0-1-8], [8:0-2-8,0-3-0]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.14	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.25	BC	0.43	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.00	7	n/a	n/a		
BCLL	0.0 *	Code IRC2021/TPI2014		Matrix-SH							Weight: 70 lb	FT = 20%
BCDL	10.0											

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

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

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

REACTIONS. All bearings 16-0-4.
(lb) - Max Horz 1=-93(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 1, 9 except 10=-128(LC 12), 8=-124(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 7 except 9=451(LC 31), 10=410(LC 19), 8=407(LC 20)

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

NOTES- (9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-4-4 to 5-2-2, Exterior(2R) 5-2-2 to 10-10-2, Exterior(2E) 10-10-2 to 15-8-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) Provide adequate drainage to prevent water ponding.
5) Gable requires continuous bottom chord bearing.
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 9 except (jt=lb) 10=128, 8=124.

LOAD CASE(S) Standard

7/11/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0010 HONEYCUTT HILLS | 199 SHELBY MEADOW LANE ANGIER, NC
24-5966-R01	VT02	GABLE	1	1	# 50509
					Job Reference (optional)

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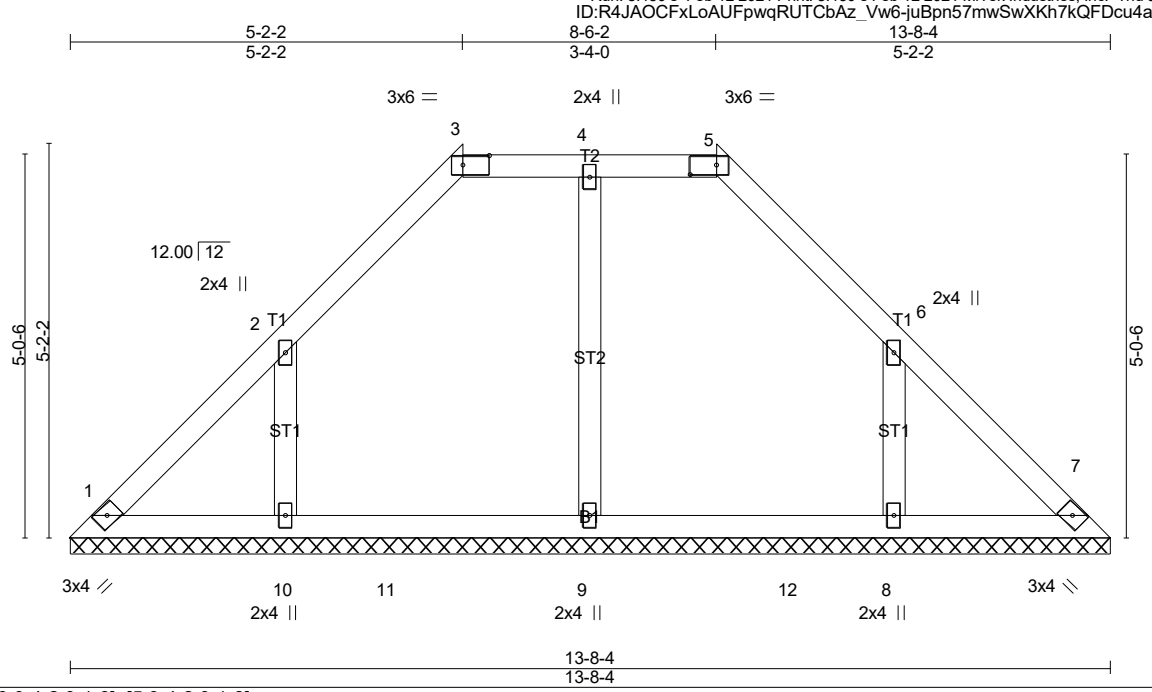

Plate Offsets (X,Y)-- [3:0-4-2,0-1-8], [5:0-4-2,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.25	BC	0.38	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	7	n/a	n/a		
BCLL	0.0 *	Code IRC2021/TPI2014		Matrix-SH								
BCDL	10.0										Weight: 59 lb	FT = 20%

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

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

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

REACTIONS. All bearings 13-8-4.
(lb) - Max Horz 1=-93(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 1, 7 except 10=-118(LC 12), 8=-117(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 7 except 9=369(LC 3), 10=314(LC 23), 8=312(LC 20)

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

NOTES- (9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-4-4 to 5-2-2, Exterior(2R) 5-2-2 to 8-6-2, Exterior(2E) 8-6-2 to 13-4-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) Provide adequate drainage to prevent water ponding.
5) Gable requires continuous bottom chord bearing.
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 7 except (jt=lb) 10=118, 8=117.

LOAD CASE(S) Standard

7/11/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0010 HONEYCUTT HILLS | 199 SHELBY MEADOW LANE ANGIER, NC
24-5966-R01	VT03	GABLE	1	1	# 50509
					Job Reference (optional)

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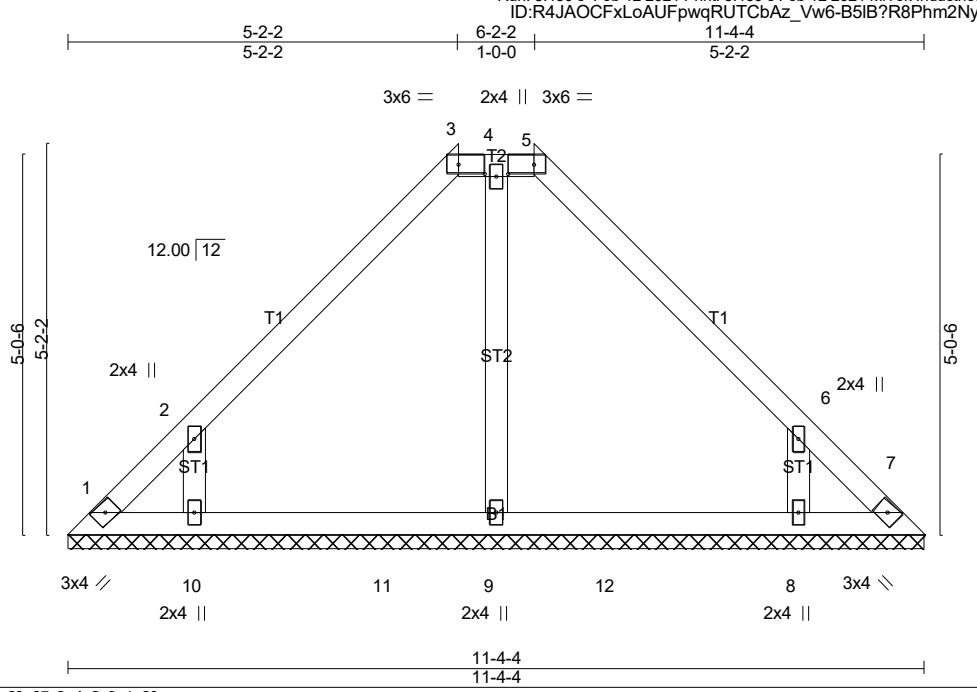

Plate Offsets (X,Y)-- [3:0-4-2,0-1-8], [5:0-4-2,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.15	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.25	BC	0.24	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	7	n/a	n/a		
BCLL	0.0 *	Code IRC2021/TPI2014		Matrix-SH								
BCDL	10.0										Weight: 49 lb	FT = 20%

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

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

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

REACTIONS. All bearings 11-4-4.
(lb) - Max Horz 1=-93(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 1, 7 except 10=-143(LC 12), 8=-142(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 7 except 9=315(LC 22), 10=308(LC 23), 8=308(LC 20)

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

NOTES- (9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-4-4 to 5-2-2, Exterior(2R) 5-2-2 to 6-2-2, Exterior(2E) 6-2-2 to 11-0-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) Provide adequate drainage to prevent water ponding.
5) Gable requires continuous bottom chord bearing.
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 7 except (jt=lb) 10=143, 8=142.

LOAD CASE(S) Standard

7/11/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0010 HONEYCUTT HILLS | 199 SHELBY MEADOW LANE ANGIER, NC
24-5966-R01	VT04	Valley	1	1	# 50509
					Job Reference (optional)

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 11 20:38:45 2024 Page 1
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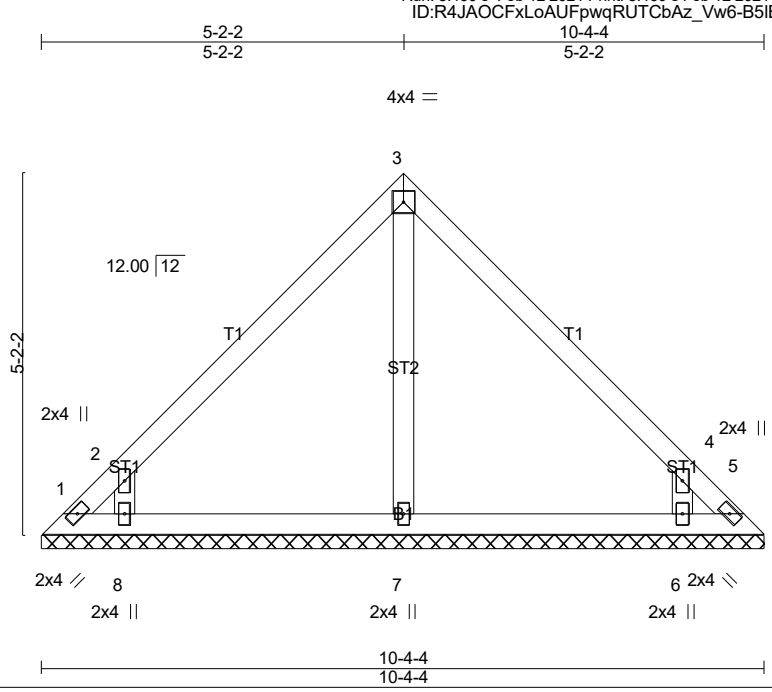

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.18	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.25	BC	0.20	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	5	n/a	n/a		
BCLL	0.0 *	Code IRC2021/TPI2014		Matrix-SH							Weight: 44 lb	FT = 20%
BCDL	10.0											

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

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

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

REACTIONS. All bearings 10-4-4.
(lb) - Max Horz 1=-94(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) except 1=-119(LC 10), 5=-102(LC 11), 8=-185(LC 12), 6=-184(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 5, 7 except 8=360(LC 19), 6=359(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-8=-309/273, 4-6=-309/273

NOTES- (8)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 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 119 lb uplift at joint 1, 102 lb uplift at joint 5, 185 lb uplift at joint 8 and 184 lb uplift at joint 6.

LOAD CASE(S) Standard

7/11/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0010 HONEYCUTT HILLS | 199 SHELBY MEADOW LANE ANGIER, NC
24-5966-R01	VT05	Valley	1	1	# 50509
					Job Reference (optional)

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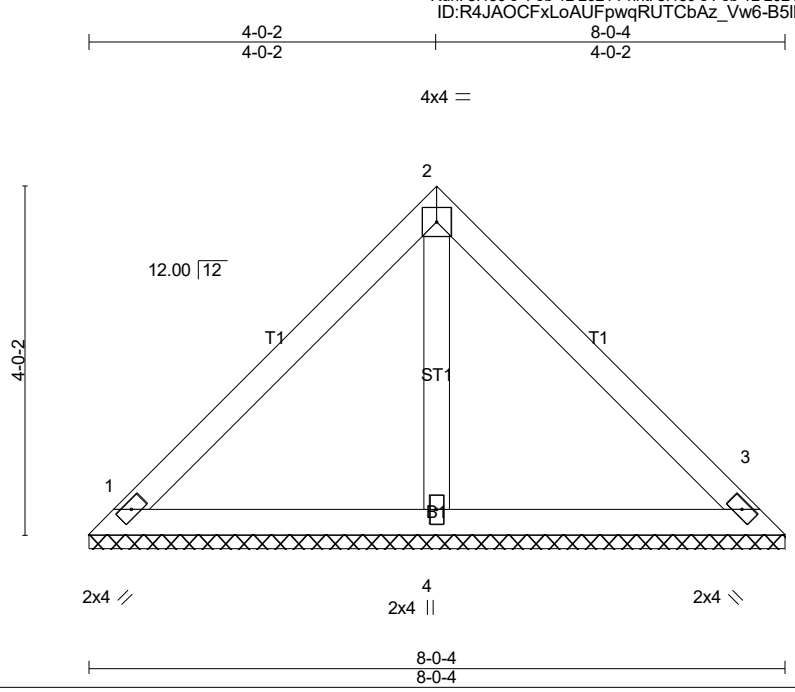

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.26	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.25	BC	0.23	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0 *	Code IRC2021/TPI2014		Matrix-P							Weight: 32 lb	FT = 20%
BCDL	10.0											

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

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

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

REACTIONS. (lb/size) 1=176/8-0-4 (min. 0-1-8), 3=176/8-0-4 (min. 0-1-8), 4=233/8-0-4 (min. 0-1-8)
Max Horz 1=71(LC 9)
Max Uplift1=-33(LC 13), 3=-33(LC 13)

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

NOTES- (8)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 33 lb uplift at joint 1 and 33 lb uplift at joint 3.

LOAD CASE(S) Standard

7/11/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0010 HONEYCUTT HILLS | 199 SHELBY MEADOW LANE ANGIER, NC
24-5966-R01	VT06	Valley	1	1	# 50509
					Job Reference (optional)

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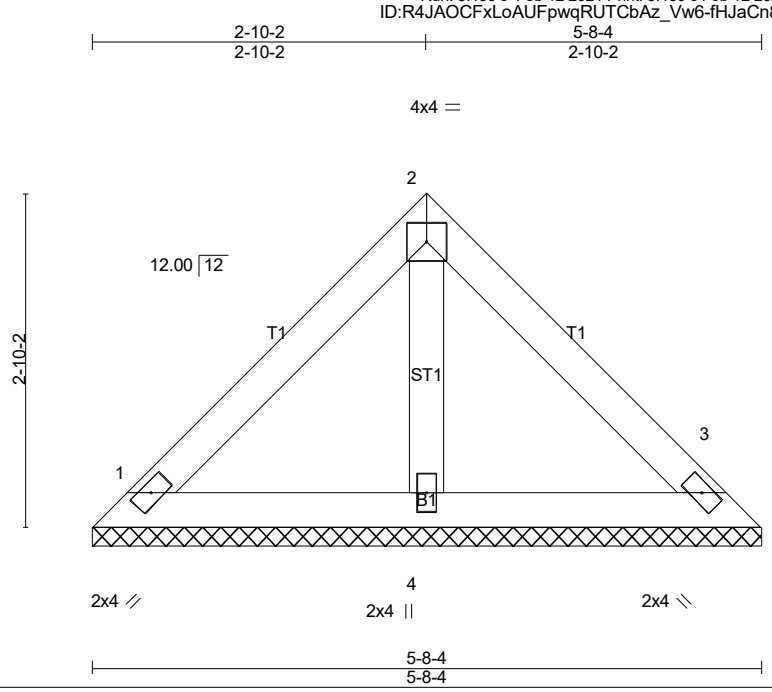

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.11	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.25	BC	0.11	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0 *	Code IRC2021/TPI2014		Matrix-P							Weight: 22 lb	FT = 20%
BCDL	10.0											

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-8-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 1=120/5-8-4 (min. 0-1-8), 3=120/5-8-4 (min. 0-1-8), 4=159/5-8-4 (min. 0-1-8)
Max Horz 1=-49(LC 8)
Max Uplift1=-22(LC 13), 3=-22(LC 13)

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

NOTES- (8)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 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 22 lb uplift at joint 1 and 22 lb uplift at joint 3.

LOAD CASE(S) Standard

7/11/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0010 HONEYCUTT HILLS | 199 SHELBY MEADOW LANE ANGIER, NC
24-5966-R01	VT07	Valley	1	1	# 50509
					Job Reference (optional)

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 11 20:38:46 2024 Page 1
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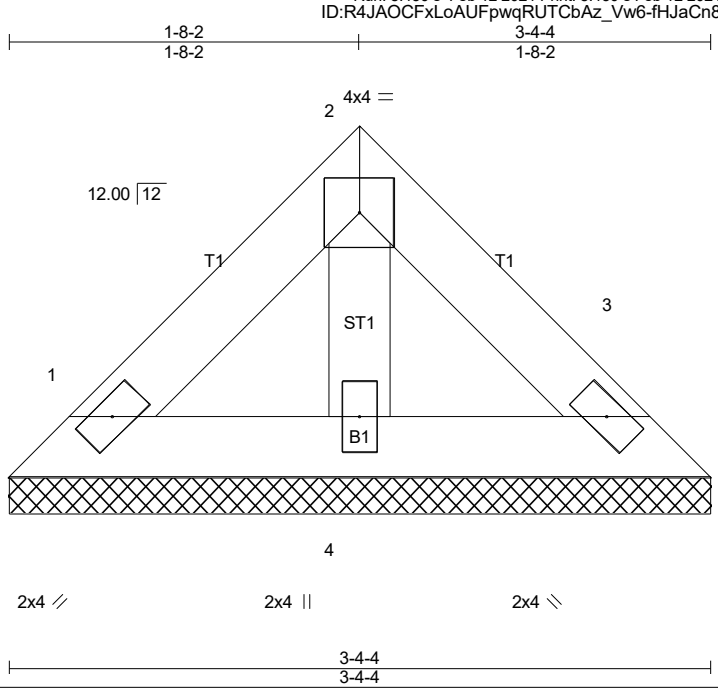

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.03	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.01	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0 *	Code IRC2021/TPI2014		Matrix-P							Weight: 12 lb	FT = 20%
BCDL	10.0											

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

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

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

REACTIONS. (lb/size) 1=64/3-4-4 (min. 0-1-8), 3=64/3-4-4 (min. 0-1-8), 4=84/3-4-4 (min. 0-1-8)
Max Horz 1=-26(LC 8)
Max Uplift1=-12(LC 13), 3=-12(LC 13)

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

NOTES- (8)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 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 12 lb uplift at joint 1 and 12 lb uplift at joint 3.

LOAD CASE(S) Standard

7/11/2024