

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 #: 59842

JOB: 25-4772-R01

JOB NAME: LOT 0.0039 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.

41 Truss Design(s)

Trusses:

G01, G02, J01, J02, J03, P01, R01, R02, R02A, R03, R04, R05, R06, R08, R09, R10, R11, R12, R13, R14, R15, R16, R18A, R19, R19A, R19B, R22, R23, R24, R25, V01, V02, V03, V04, V05,



6/2/2025

Mark Morris

My license renewal date for the state of North Carolina is 12/31/2025

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

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS 228 SHELBY MEADOW LANE ANGIER, NC
25-4772-R01	G01	Common Supported Gable	1	1	
					# 59842

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Mon Jun 2 23:17:29 2025 Page 1
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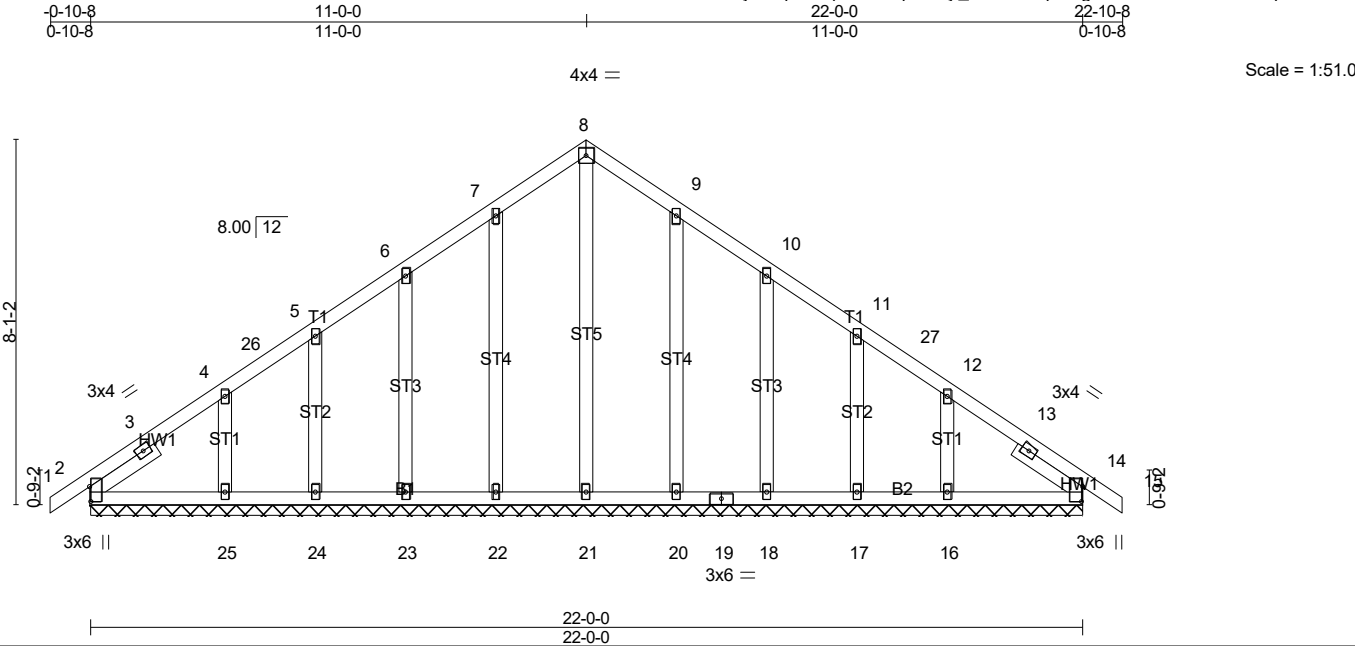


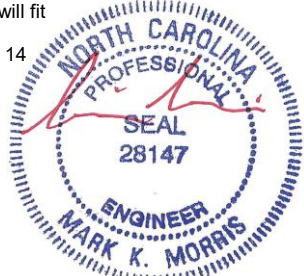
Plate Offsets (X,Y)--		[2:0-3-15,0-0-5], [14:0-3-15,0-0-5]	
LOADING (psf)	SPACING-	2-0-0	CSI.
TCLL 20.0	Plate Grip DOL	1.25	TC 0.12
TCDL 10.0	Lumber DOL	1.25	BC 0.13
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.27
BCDL 10.0	Code IRC2021/TPI2014		Matrix-SH
DEFL.	in (loc)	L/defl	L/d
Vert(LL)	0.00 14	n/r	180
Vert(CT)	0.00 15	n/r	80
Horz(CT)	0.01 14	n/a	n/a
PLATES	GRIP		
MT20	244/190		
Weight: 142 lb		FT = 20%	

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SP No.3	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS 2x4 SP No.3	
SLIDER Left 2x4 SP No.3 1-9-6, Right 2x4 SP No.3 1-9-6	

REACTIONS. All bearings 22-0-0.
(lb) - Max Horz 2=-242(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 2, 22, 24, 20, 17, 14 except 23=-107(LC 10), 25=-185(LC 10), 18=-107(LC 11), 16=-174(LC 11)
Max Grav All reactions 250 lb or less at joint(s) 2, 24, 17, 14 except 21=277(LC 20), 22=272(LC 17), 23=280(LC 17), 25=269(LC 17), 20=269(LC 18), 18=280(LC 18), 16=257(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 7-8=-184/289, 8-9=-184/289

- NOTES-** (10-14)
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=150mph (3-second gust) Vasd=119mph; 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 6-2-6, Corner(3R) 6-2-6 to 15-9-10, Exterior(2N) 15-9-10 to 18-0-14, Corner(3E) 18-0-14 to 22-10-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 22, 24, 20, 17, 14 except (jt=lb) 23=107, 25=185, 18=107, 16=174.



Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS 228 SHELBY MEADOW LANE ANGIER, NC
25-4772-R01	G01	Common Supported Gable	1	1	Job Reference (optional) # 59842

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Mon Jun 2 23:17:29 2025 Page 2
ID:oDuWOOmHxMOj2fwcp2aKqzMG6w-piE4Ejr_duOAnLApEQgS2AW05OX?6JIYLCUqbmzABMq

- 10) Trusses designed with 2018 IRC also comply with 2015 IRC.
- 11) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
- 12) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
- 13) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
- 14) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAINING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard



6/2/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS 228 SHELBY MEADOW LANE ANGIER, NC
25-4772-R01	G02	Common	6	1	
Job Reference (optional)					# 59842

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-0-10-8	5-7-12	11-0-0	16-4-4	22-0-0	22-10-8
0-10-8	5-7-12	5-4-4	5-4-4	5-7-12	0-10-8

4x6 || Scale = 1:50.0

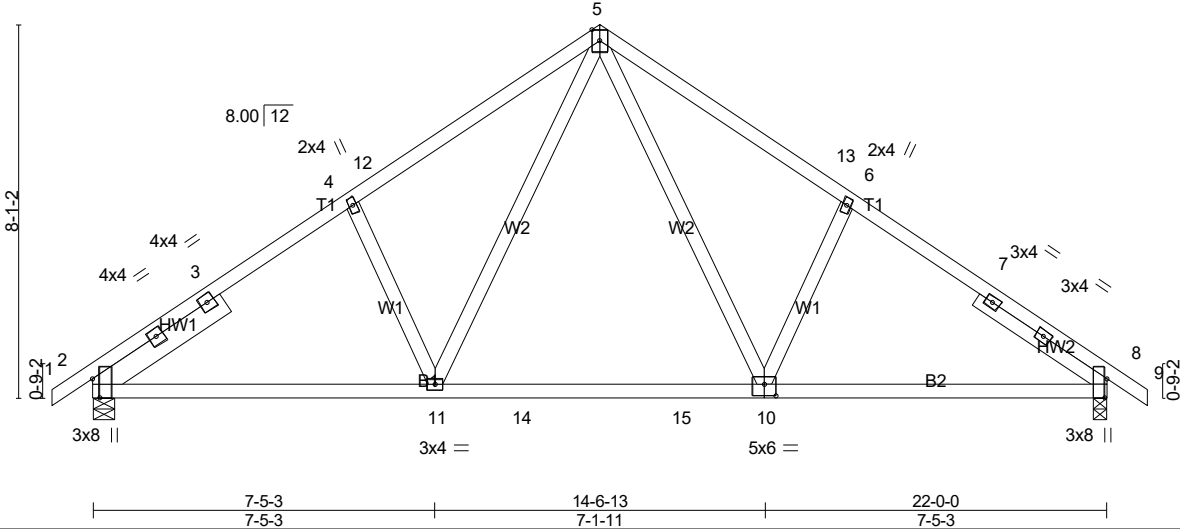


Plate Offsets (X,Y)-- [2:0-4-15,Edge], [8:0-4-15,Edge], [10:0-3-0,0-3-0]					
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc) l/defl L/d
TCLL 20.0	Plate Grip DOL	1.25	TC 0.31	Vert(LL)	-0.18 10-11 >999 240
TCDL 10.0	Lumber DOL	1.25	BC 0.65	Vert(CT)	-0.24 10-11 >999 180
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.31	Horz(CT)	0.03 8 n/a n/a
BCDL 10.0	Code IRC2021/TPI2014		Matrix-SH		
Weight: 126 lb FT = 20%					

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 3-4-10, Right 2x4 SP No.3 3-4-10

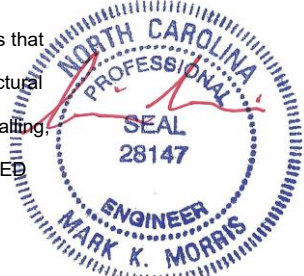
BRACING-
TOP CHORD
BOT CHORD
Structural wood sheathing directly applied or 5-3-7 oc purlins.
Rigid ceiling directly applied or 10-0-0 oc bracing.
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 2=933/0-5-8 (min. 0-1-8), 8=933/0-3-8 (min. 0-1-8)
Max Horz2=-242(LC 8)
Max Uplift2=-247(LC 10), 8=-247(LC 11)
Max Grav2=946(LC 17), 8=946(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1213/329, 3-4=-1121/350, 4-12=-1116/391, 5-12=-1036/418, 5-13=-1036/418,
6-13=-1116/391, 6-7=-1120/350, 7-8=-1213/329
BOT CHORD 2-11=-287/1083, 11-14=-77/729, 14-15=-77/729, 10-15=-77/729, 8-10=-181/929
WEBS 5-10=-220/562, 6-10=-294/293, 5-11=-219/561, 4-11=-295/293

- NOTES-** (6-10)
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=150mph (3-second gust) Vasd=119mph; 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 6-2-6, Exterior(2R) 6-2-6 to 15-9-10, Interior(1) 15-9-10 to 18-0-14, Exterior(2E) 18-0-14 to 22-10-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=247, 8=247.
 - Trusses designed with 2018 IRC also comply with 2015 IRC.
 - Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
 - Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
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 - SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAINING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

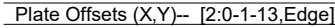
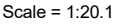
LOAD CASE(S) Standard



6/2/2025

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Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Mon Jun 2 23:17:31 2025 Page 1
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LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
W4: 2x6 SP No.2

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

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

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-13=-706/377, 3-13=-677/390
 BOT CHORD 2-14=-451/656, 14-15=-451/656, 5-15=-451/656
 WEBS 3-5=-737/428

- 1) Wind: ASCE 7-16; Vult=120mp (3-second gust) Vasd=95mph; TCCL=5.0psf; BCCL=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 4-11-10, Exterior(2E) 4-11-10 to 9-9-4 zone; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); 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) 5 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) 5.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=140-5=131.
- 10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

6/2/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS 228 SHELBY MEADOW LANE ANGIER, NC
25-4772-R01	J02	Monopitch	7	1	
					# 59842

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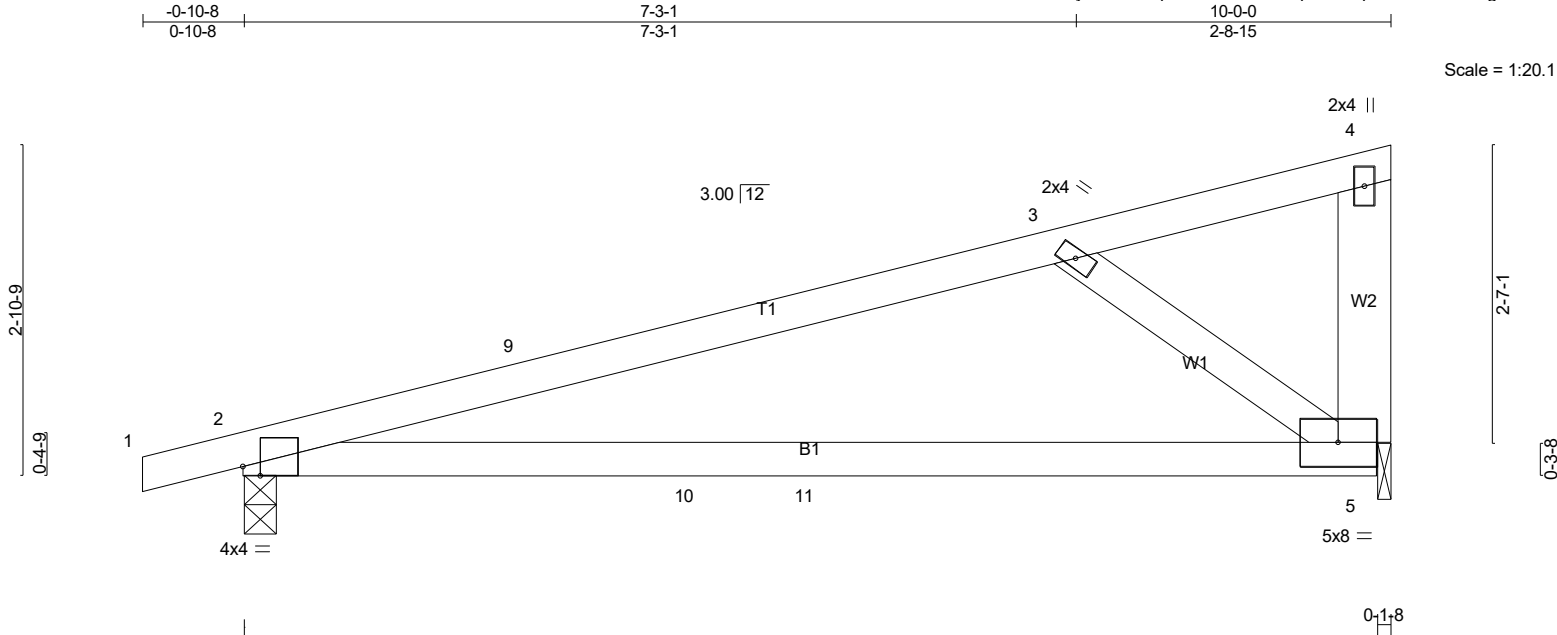


Plate Offsets (X,Y)-- [2:0-1-13,Edge]									
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.74	in (loc)	l/defl	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.65	5-8	>308		
TCDL	10.0	Rep Stress Incr	YES	WB	0.19	5-8	>309		
BCLL	0.0 *	Code IRC2021/TPI2014		Matrix-AS		n/a	n/a		
BCDL	10.0							Weight: 41 lb	FT = 20%

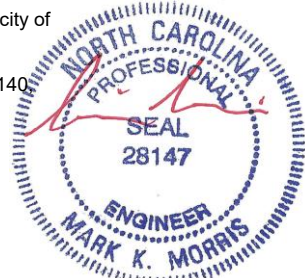
LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied, except end verticals.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied.
WEBS	2x6 SP No.2 *Except*		
	W1: 2x4 SP No.3		

REACTIONS. (lb/size) 2=446/0-3-8 (min. 0-1-8), 5=388/0-1-8 (min. 0-1-8)
Max Horz 2=83(LC 10)
Max Uplift 2=-140(LC 10), 5=-131(LC 10)
Max Grav 2=509(LC 21), 5=496(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-9=-706/377, 3-9=-677/390
BOT CHORD 2-10=-451/656, 10-11=-451/656, 5-11=-451/656
WEBS 3-5=-737/428

- NOTES-** (11)
- 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 4-11-10, Exterior(2E) 4-11-10 to 9-9-4 zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); 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
 - Unbalanced snow loads have been considered for this design.
 - 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.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * 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.
 - 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.
 - Provide mechanical connection (by others) of truss to bearing plate at joint(s) 5.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=140 5=131.
 - This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

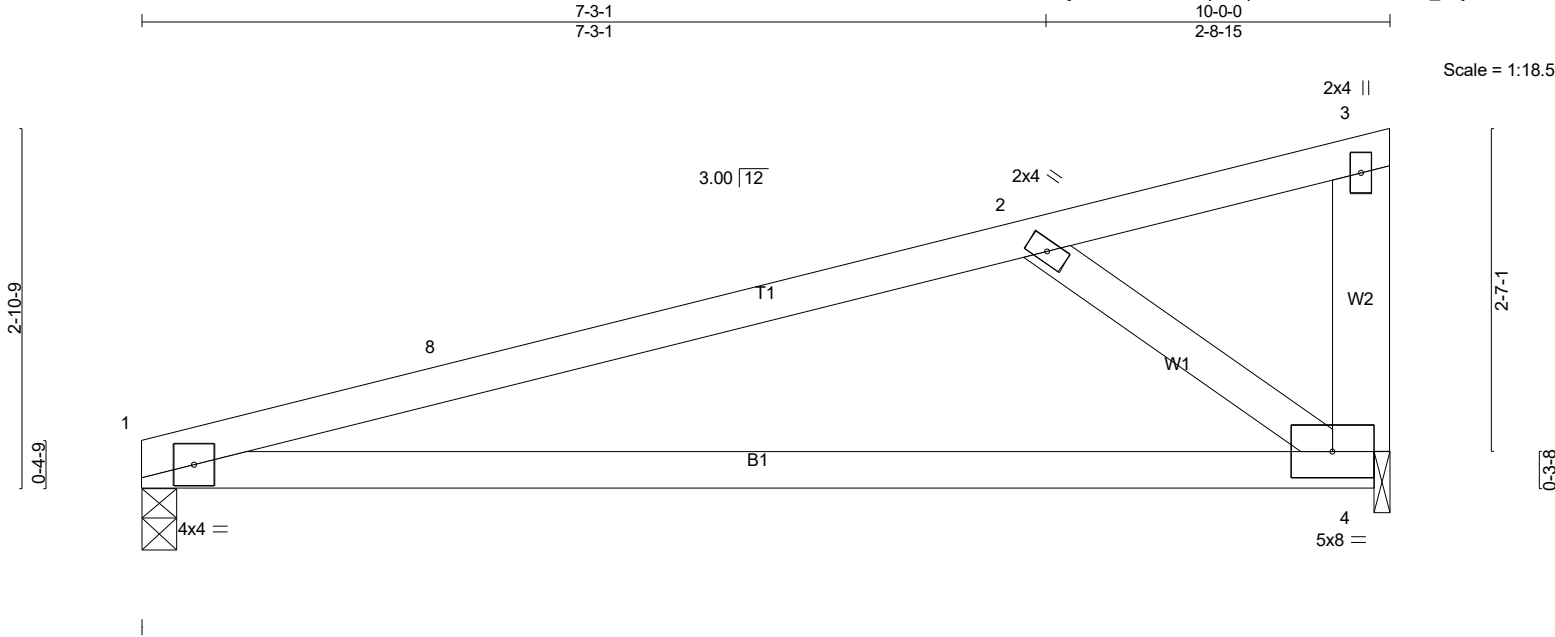


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Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS 228 SHELBY MEADOW LANE ANGIER, NC
25-4772-R01	J03	MONOPITCH	1	1	
					Job Reference (optional) # 59842

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LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.76	Vert(LL)	0.39 4-7 >303 240	MT20		244/190	
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.66	Vert(CT)	-0.38 4-7 >307 180				
TCDL	10.0	Rep Stress Incr	YES	WB	0.19	Horz(CT)	0.01 4 n/a n/a				
BCLL	0.0 *	Code IRC2021/TPI2014		Matrix-AS							
BCDL	10.0										
										Weight: 40 lb	FT = 20%

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

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

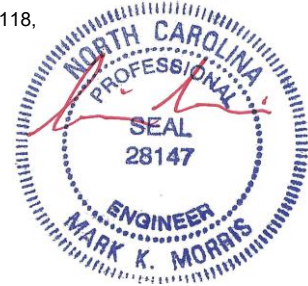
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 1=391/0-3-8 (min. 0-1-8), 4=391/0-1-8 (min. 0-1-8)
Max Horz 1=80(LC 13)
Max Uplift1=-118(LC 10), 4=-127(LC 10)
Max Grav 1=454(LC 21), 4=498(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-8=-712/421, 2-8=-683/434
BOT CHORD 1-4=-415/663
WEBS 2-4=-744/431

- 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; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;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=1.15 Plate DOL=1.15); 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 a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 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.
 - 6) 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.
 - 7) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=118, 4=127.
 - 9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard



6/2/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS 228 SHELBY MEADOW LANE ANGIER, NC
25-4772-R01	P01	Piggyback	17	1	
					Job Reference (optional) # 59842

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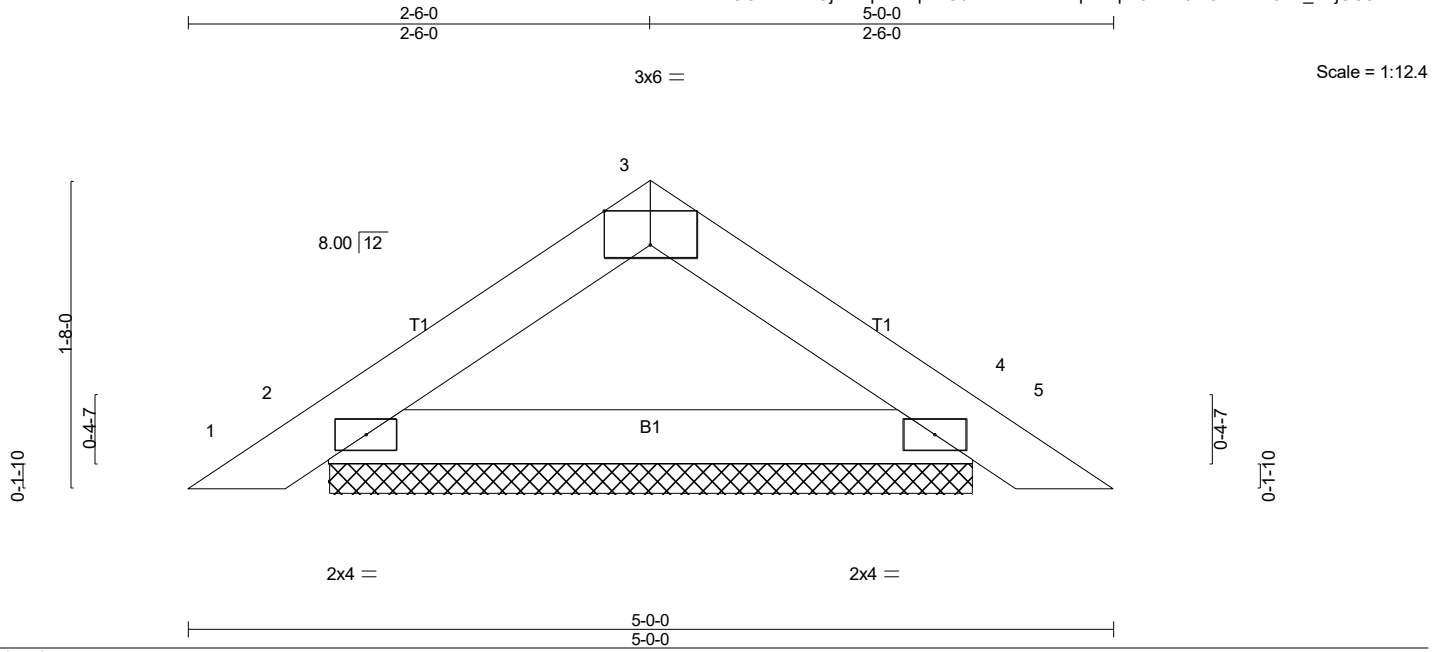


Plate Offsets (X,Y)-- [3:0-3-0,Edge]									
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.04	in (loc)	l/defl	MT20	GRIP
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.15	0.00 4	n/r		244/190
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	0.00 5	n/r		
BCLL	0.0 *	Code IRC2021/TPI2014		Matrix-P		0.00 4	n/a		
BCDL	10.0							Weight: 14 lb	FT = 0%

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 5-0-0 oc purlins.
BOT CHORD	2x4 SP No.2	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=169/3-5-12 (min. 0-1-8), 4=169/3-5-12 (min. 0-1-8)
Max Horz 2=29(LC 11)
Max Uplift 2=18(LC 12), 4=18(LC 13)

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

- NOTES-** (10)
- Unbalanced roof live loads have been considered for this design.
 - 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
 - TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); 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
 - 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.
 - Gable requires continuous bottom chord bearing.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
 - See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard



6/2/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS 228 SHELBY MEADOW LANE ANGIER, NC
25-4772-R01	R01	Common Supported Gable	1	1	
Job Reference (optional)					# 59842

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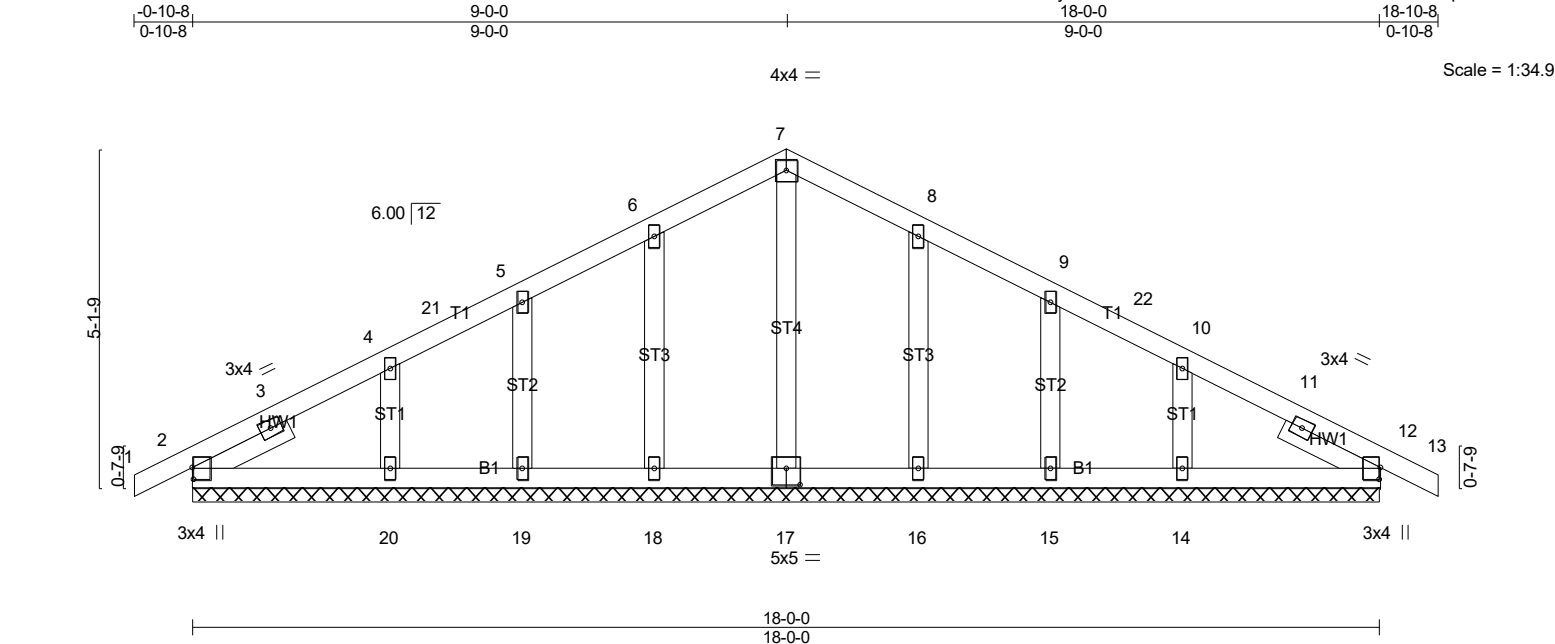


Plate Offsets (X,Y)-- [2:0-2-3,0-0-4], [12:0-2-3,0-0-4], [17:0-2-8,0-3-0]					
LOADING (psf)		SPACING-	CSI.	DEFL.	PLATES
TCLL (roof)	20.0	2-0-0	TC 0.08	in (loc) l/defl L/d	MT20
Snow (Pf)	20.0	Plate Grip DOL 1.15	BC 0.11	Vert(LL) 0.00 12 n/r 180	GRIP 244/190
TCDL	10.0	Lumber DOL 1.15	WB 0.07	Vert(CT) 0.00 13 n/r 80	
BCLL	0.0 *	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.00 12 n/a n/a	
BCDL	10.0	Code IRC2021/TPI2014			Weight: 95 lb FT = 20%

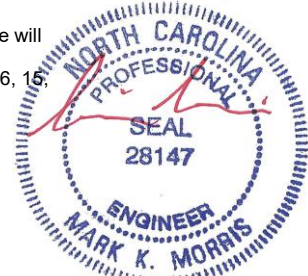
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SP No.3	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS 2x4 SP No.3	
SLIDER Left 2x4 SP No.3 1-7-4, Right 2x4 SP No.3 1-7-4	

REACTIONS. All bearings 18-0-0.
(lb) - Max Horz 2=-65(LC 19)
Max Uplift All uplift 100 lb or less at joint(s) 2, 18, 19, 20, 16, 15, 14, 12
Max Grav All reactions 250 lb or less at joint(s) 2, 17, 18, 19, 20, 16, 15, 14, 12

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

- NOTES-** (14)
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCCL=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 14-0-14, Corner(3E) 14-0-14 to 18-10-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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.
 - TCCL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); 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
 - Unbalanced snow loads have been considered for this design.
 - 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.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 18, 19, 20, 16, 15, 14, 12.
 - Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2.

LOAD CASE(S) Standard

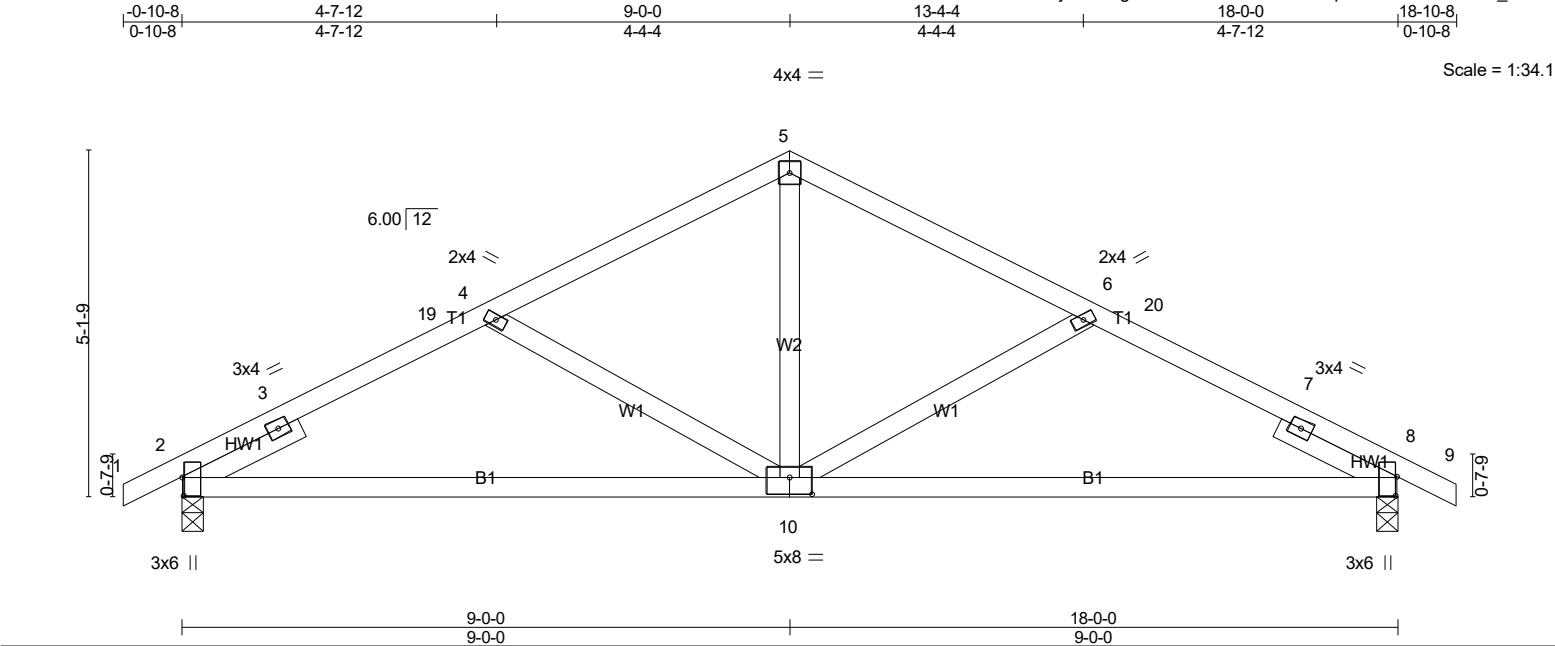


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Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS 228 SHELBY MEADOW LANE ANGIER, NC
25-4772-R01	R02	Common	1	1	
Job Reference (optional)					# 59842

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LOADING (psf)		SPACING-		CSI.		DEFL.				PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.33	Vert(LL)	-0.08	10-13	>999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.65	Vert(CT)	-0.17	10-13	>999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.20	Horz(CT)	0.02	8	n/a		
BCLL	0.0 *	Code IRC2021/TPI2014		Matrix-AS						Weight: 87 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 1-11-0, Right 2x4 SP No.3 1-11-0

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

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

REACTIONS. (lb/size) 2=773/0-3-8 (min. 0-1-8), 8=773/0-3-8 (min. 0-1-8)
Max Horz2=65(LC 14)
Max Uplift2=-71(LC 14), 8=-71(LC 15)
Max Grav2=820(LC 21), 8=820(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-775/0, 3-19=-1123/256, 4-19=-1114/270, 4-5=-888/211, 5-6=-888/211,
6-20=-1114/270, 7-20=-1123/256, 7-8=-775/0
BOT CHORD 2-10=-162/1036, 8-10=-162/1036
WEBS 5-10=-49/485, 6-10=-378/141, 4-10=-378/141

- NOTES-** (10)
- Unbalanced roof live loads have been considered for this design.
 - 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 14-0-14, Exterior(2E) 14-0-14 to 18-10-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); 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
 - Unbalanced snow loads have been considered for this design.
 - 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.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8.
 - This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

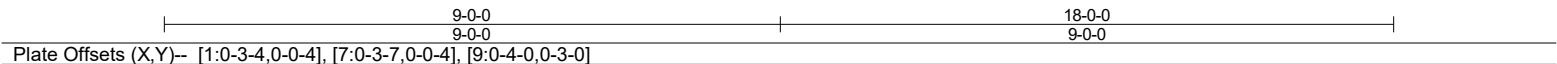
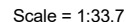
LOAD CASE(S) Standard



6/2/2025

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LOADING (psf)		SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL 1.15	TC 0.33	Vert(LL) -0.08 9-12 >999 240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL 1.15	BC 0.65	Vert(CT) -0.18 9-12 >999 180		
TCDL	10.0	Rep Stress Incr YES	WB 0.20	Horz(CT) 0.02 7 n/a n/a		
BCLL	0.0 *	Code IRC2021/TPI2014	Matrix-AS		Weight: 86 lb	FT = 20%
BCDL	10.0					

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

TOP CHORD
BOT CHORD

Structural wood sheathing directly applied.
Rigid ceiling directly applied.

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

Max Horz 1=-71(LC 19)
Max Uplift1=-57(LC 14), 7=-71(LC 15)
Max Grav 1=766(LC 21), 7=821(LC 22)

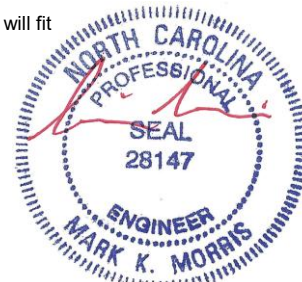
TOP CHORD 1-2=-801/4, 2-18=-1130/256, 3-18=-1120/269, 3-19=-891/191, 4-19=-878/211,
4-5=-889/211, 5-20=-1115/269, 6-20=-1125/256, 6-7=-775/0

BOT CHORD 1-9=-161/1044, 7-9=-162/1038

WEBS 4-9=-49/486, 5-9=-378/141, 3-9=-384/140

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TC DL=5.0psf; BC DL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 4-9-10, Exterior(2R) 4-9-10 to 14-0-14, Exterior(2E) 14-0-14 to 18-10-8 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) T CLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); 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) 1, 7.
- 9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

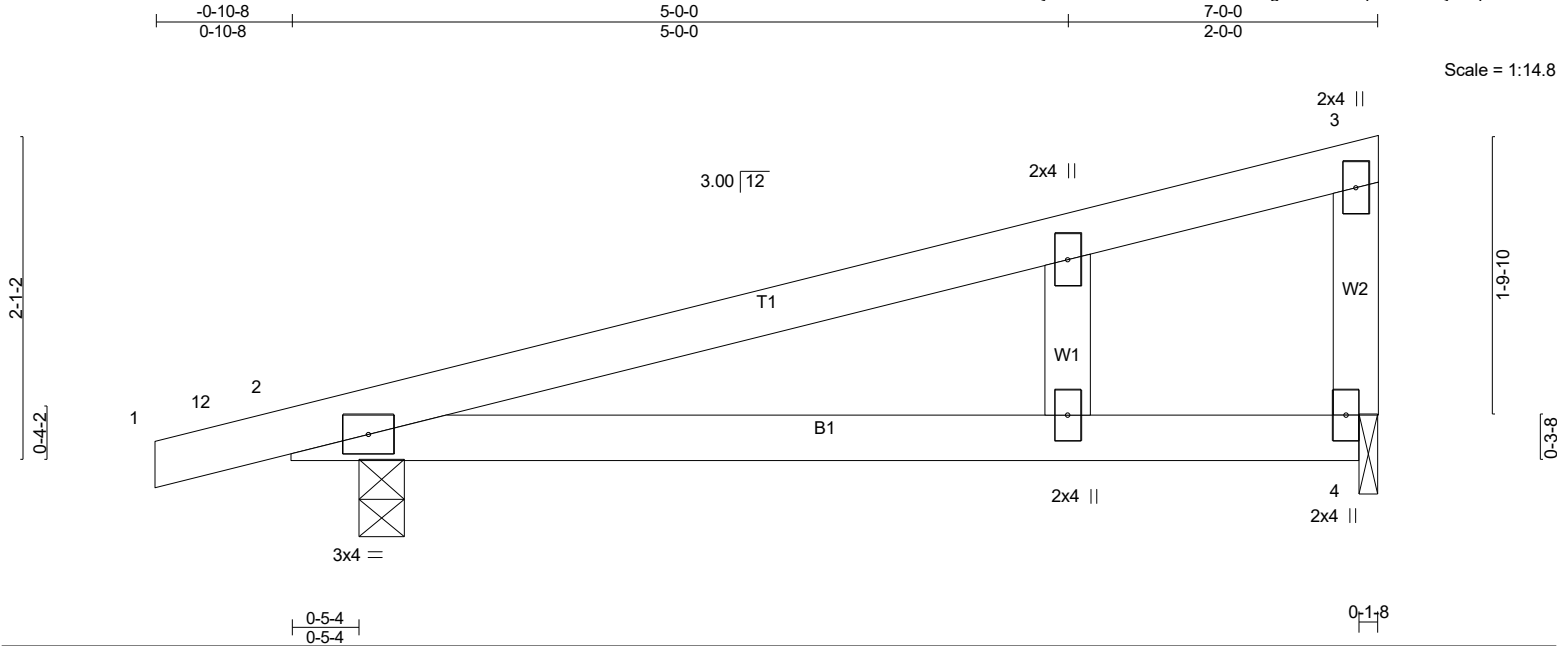


6/2/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS 228 SHELBY MEADOW LANE ANGIER, NC
25-4772-R01	R03	Monopitch	1	1	
					# 59842

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LOADING (psf)	SPACING-	CS.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.76	Vert(LL)	0.19 4-11	>436	240	MT20	244/190
Snow (Pf) 20.0	Plate Grip DOL 1.15	BC 0.52	Vert(CT)	-0.19 4-11	>443	180		
TCDL 10.0	Lumber DOL 1.15	WB 0.00	Horz(CT)	0.00 2	n/a	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-AS						
BCDL 10.0	Code IRC2021/TPI2014						Weight: 26 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied.
WEBS 2x4 SP No.3	

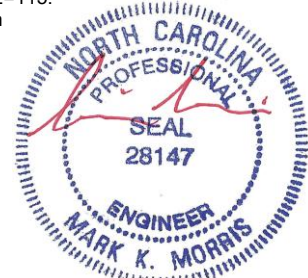
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 2=353/0-3-8 (min. 0-1-8), 4=248/0-1-8 (min. 0-1-8)
Max Horz 2=61(LC 10)
Max Uplift 2=-115(LC 10), 4=-84(LC 10)
Max Grav 2=449(LC 21), 4=323(LC 21)

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

- NOTES-** (11)
- 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; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); 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
 - Unbalanced snow loads have been considered for this design.
 - 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.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * 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.
 - 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.
 - Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 2=115.
 - This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

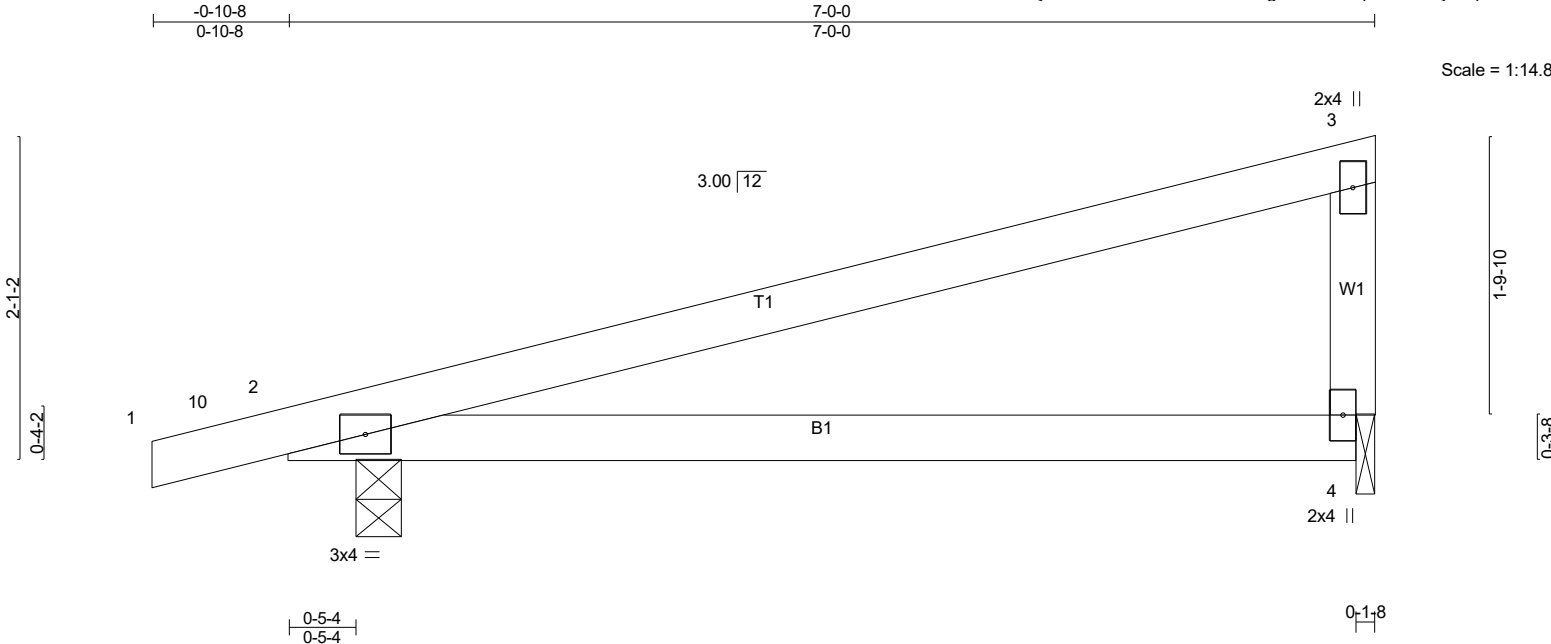


6/2/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS 228 SHELBY MEADOW LANE ANGIER, NC
25-4772-R01	R04	Monopitch	3	1	
					Job Reference (optional) # 59842

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LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.76	Vert(LL)	0.19 4-9 >436 240	MT20		244/190	
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.52	Vert(CT)	-0.19 4-9 >443 180				
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00 2 n/a n/a				
BCLL	0.0 *	Code IRC2021/TPI2014		Matrix-AS							
BCDL	10.0										
								Weight: 25 lb		FT = 20%	

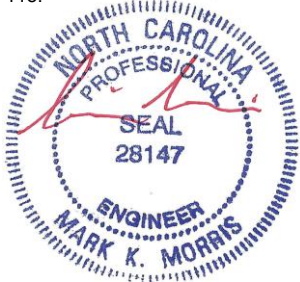
LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied, except end verticals.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied.
WEBS	2x4 SP No.3		
		MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.	

REACTIONS. (lb/size) 2=353/0-3-8 (min. 0-1-8), 4=248/0-1-8 (min. 0-1-8)
Max Horz 2=61(LC 10)
Max Uplift 2=-115(LC 10), 4=-84(LC 10)
Max Grav 2=449(LC 21), 4=323(LC 21)

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

- NOTES-** (11)
- 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; porch left exposed;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=1.15 Plate DOL=1.15); 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) 4 except (jt=lb) 2=115.
 - 10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

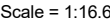
LOAD CASE(S) Standard



6/2/2025

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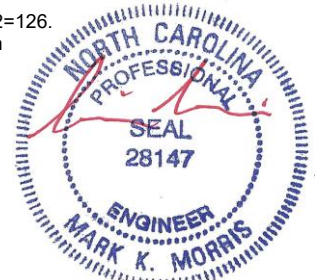
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Weight: 28 lb FT = 20%

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

LOAD CASE(S) Standard

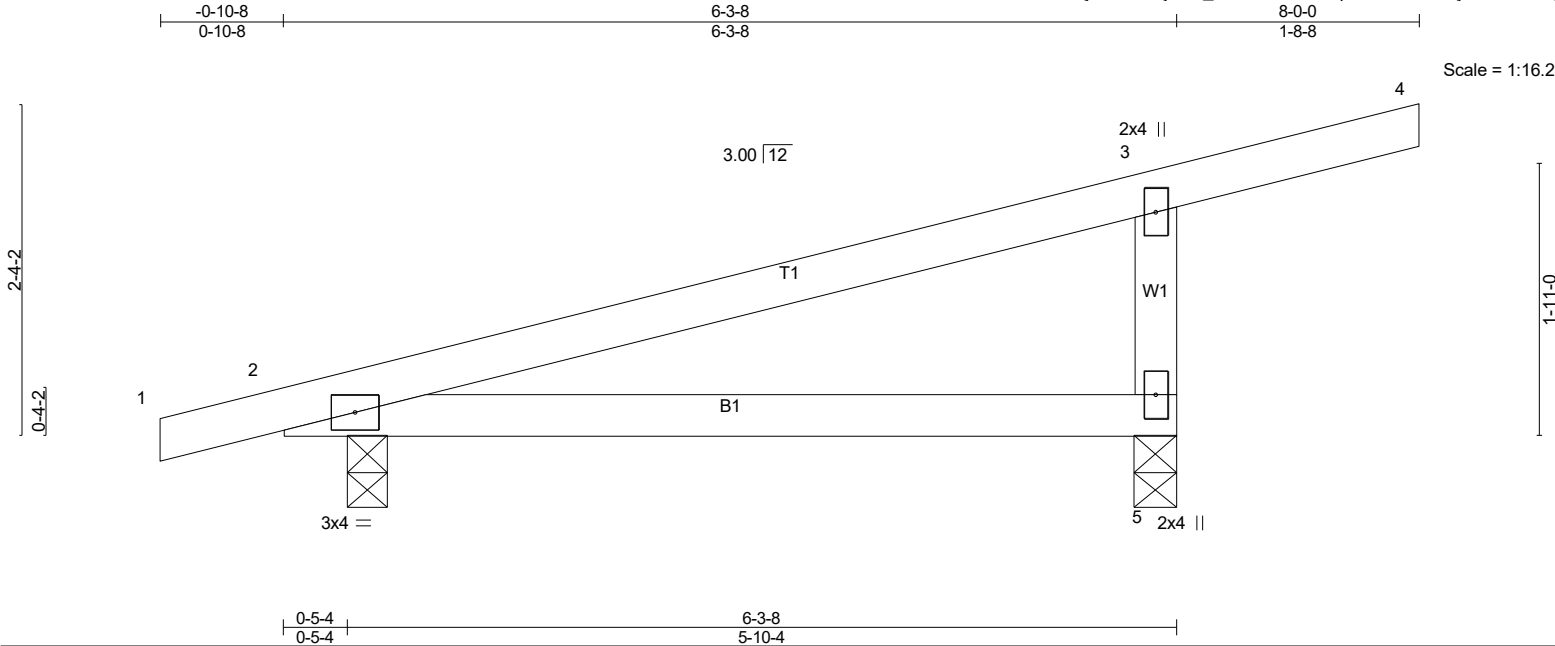


6/2/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS 228 SHELBY MEADOW LANE ANGIER, NC
25-4772-R01	R06	Monopitch Structural Gable	1	1	
Job Reference (optional)					# 59842

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LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.47	Vert(LL)	0.11 5-10 >681 240	MT20		244/190	
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.34	Vert(CT)	-0.10 5-10 >754 180				
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00 2 n/a n/a				
BCLL	0.0 *	Code IRC2021/TPI2014		Matrix-AS							
BCDL	10.0										
								Weight: 25 lb		FT = 20%	

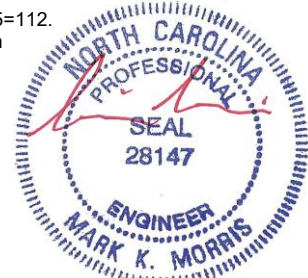
LUMBER-				BRACING-			
TOP CHORD	2x4 SP No.2			TOP CHORD		Structural wood sheathing directly applied, except end verticals. Rigid ceiling directly applied.	
BOT CHORD	2x4 SP No.2			BOT CHORD			
WEBS	2x4 SP No.3					MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.	

REACTIONS. (lb/size) 5=348/0-3-8 (min. 0-1-8), 2=307/0-3-8 (min. 0-1-8)
Max Horz 2=68(LC 10)
Max Uplift 5=-112(LC 10), 2=-99(LC 10)
Max Grav 5=466(LC 21), 2=355(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-5=-396/258

- NOTES-** (11)
- 1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TC DL=5.0psf; BC DL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; porch left exposed; 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=1.15 Plate DOL=1.15); 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 5=112.
 - 10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

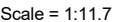
LOAD CASE(S) Standard



6/2/2025

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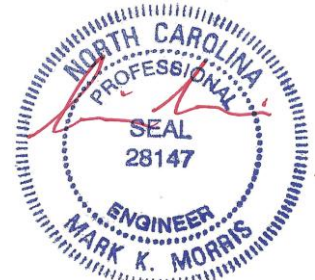
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MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

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

LOAD CASE(S) Standard

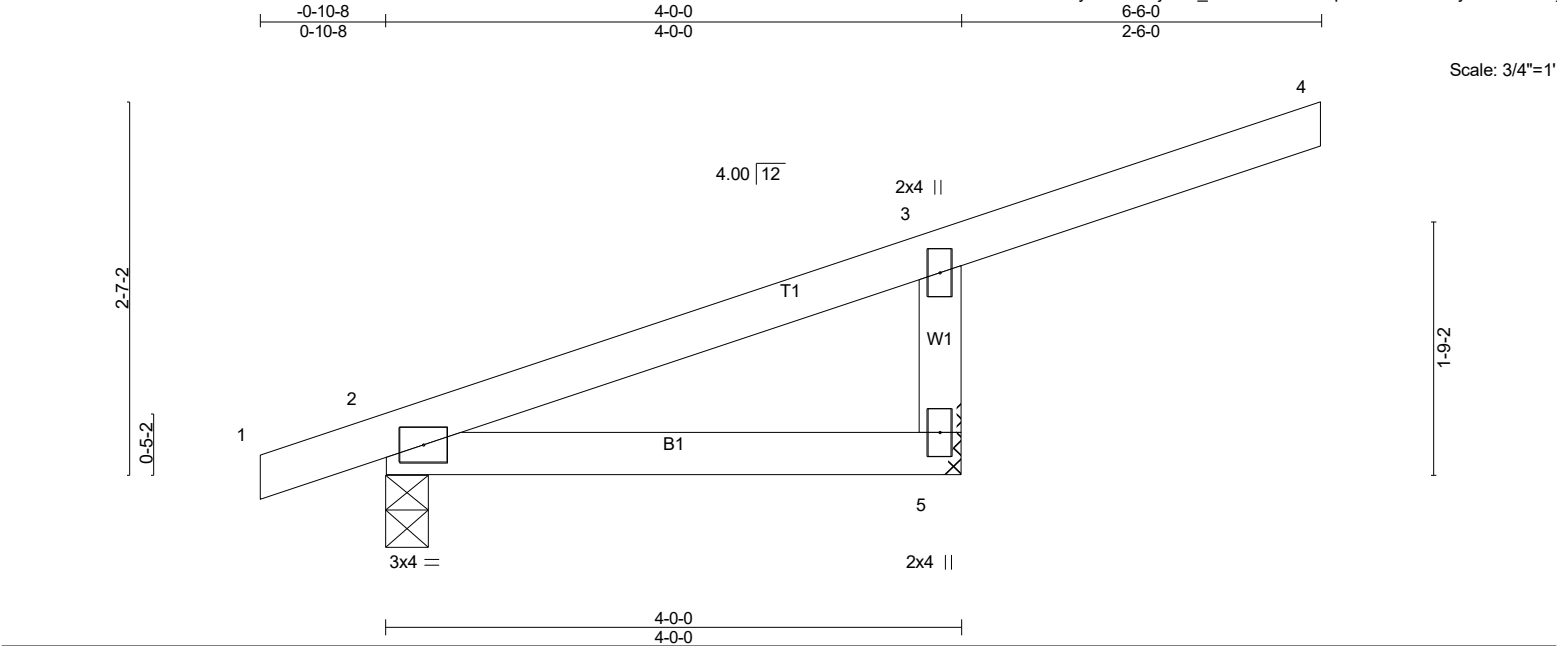


6/2/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS 228 SHELBY MEADOW LANE ANGIER, NC
25-4772-R01	R09	MONOPITCH	3	1	
Job Reference (optional)					# 59842

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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.81	in (loc) l/defl L/d	MT20	244/190
Snow (Pf) 20.0	Plate Grip DOL 1.15	BC 0.23	Vert(LL) 0.02 5-8 >999 240		
TCDL 10.0	Lumber DOL 1.15	WB 0.00	Vert(CT) 0.02 5-8 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-AS	Horz(CT) -0.00 2 n/a n/a		
BCDL 10.0	Code IRC2021/TPI2014			Weight: 19 lb	FT = 20%

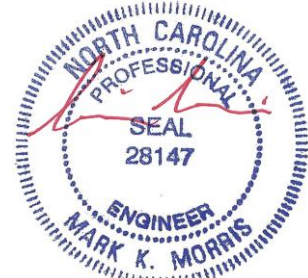
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied.
WEBS 2x4 SP No.3	
	MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 5=361/Mechanical, 2=158/0-3-8 (min. 0-1-8)
Max Horz 2=74(LC 10)
Max Uplift 5=-95(LC 14), 2=-17(LC 10)
Max Grav 5=511(LC 21), 2=186(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-5=-481/299

- NOTES-** (10)
- Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TC DL=5.0psf; BC DL=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
 - TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); 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
 - Unbalanced snow loads have been considered for this design.
 - 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.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * 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.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 2.
 - This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard



6/2/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS 228 SHELBY MEADOW LANE ANGIER, NC
25-4772-R01	R11	Common	1	1	
					Job Reference (optional) # 59842

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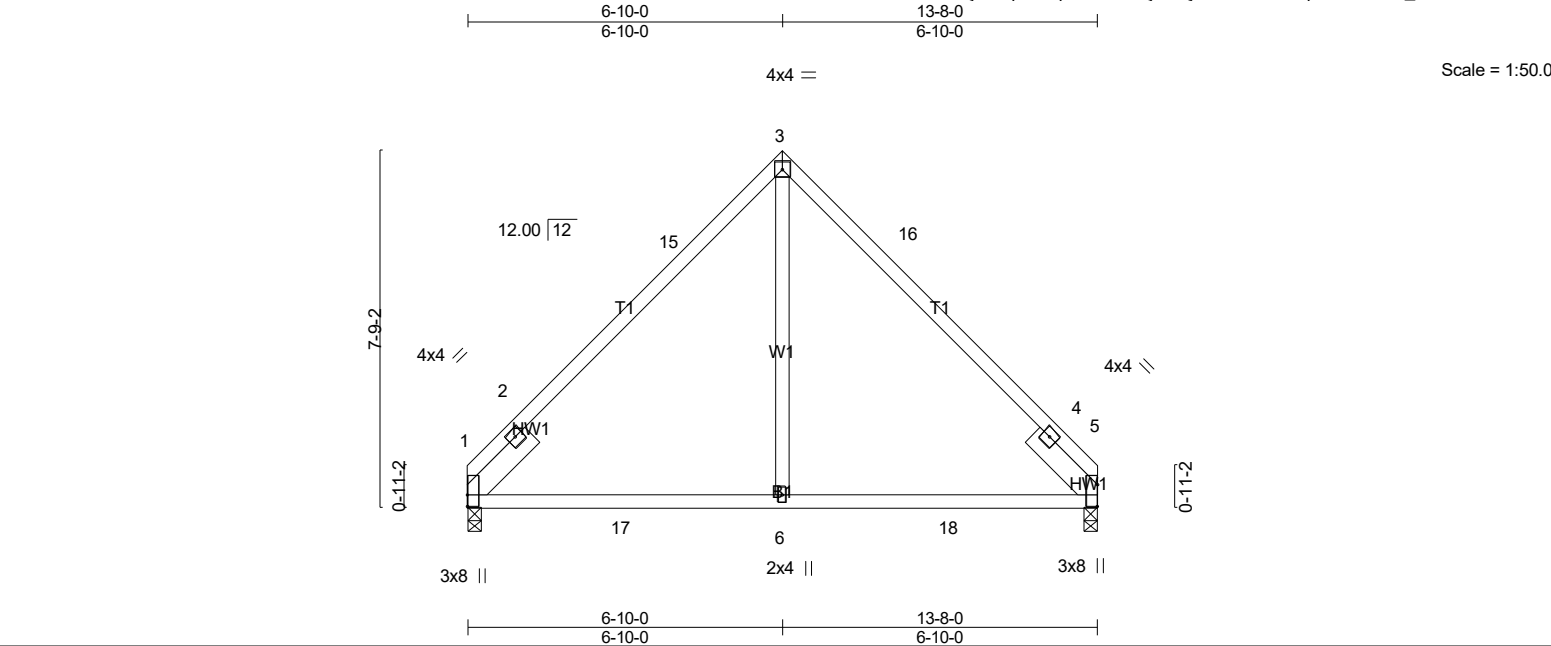


Plate Offsets (X,Y)-- [1:0-3-0,0-0-1], [5:0-5-11,0-0-1]					
LOADING (psf)		SPACING-	CSI.	DEFL.	PLATES GRIP
TCLL (roof)	20.0	2-0-0	TC 0.44	in (loc) l/defl L/d	MT20 244/190
Snow (Pf)	20.0	Plate Grip DOL 1.15	BC 0.62	Vert(LL) 0.08 6-9 >999 240	
TCDL	10.0	Lumber DOL 1.15	WB 0.19	Vert(CT) -0.12 6-9 >999 180	
BCLL	0.0 *	Rep Stress Incr YES	Matrix-AS	Horz(CT) 0.04 5 n/a n/a	
BCDL	10.0	Code IRC2021/TPI2014			Weight: 69 lb FT = 0%

LUMBER-	BRACING-	
TOP CHORD 2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD 2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied.
WEBS 2x4 SP No.3		
SLIDER Left 2x6 SP No.2 1-11-0, Right 2x6 SP No.2 1-11-0		

REACTIONS. (lb/size) 1=547/0-3-8 (min. 0-1-8), 5=547/0-3-8 (min. 0-1-8)
Max Horz 1=-133(LC 8)
Max Uplift 1=-31(LC 13), 5=-31(LC 12)
Max Grav 1=649(LC 24), 5=649(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-328/0, 2-15=-668/103, 3-15=-497/127, 3-16=-497/127, 4-16=-667/103, 4-5=-328/0
BOT CHORD 1-17=-2/435, 6-17=-2/435, 6-18=-2/435, 5-18=-2/435
WEBS 3-6=0/491

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) 0-0-0 to 4-9-10, Exterior(2R) 4-9-10 to 8-10-6, Exterior(2E) 8-10-6 to 13-8-0 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=1.15 Plate DOL=1.15); 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 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.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard



6/2/2025

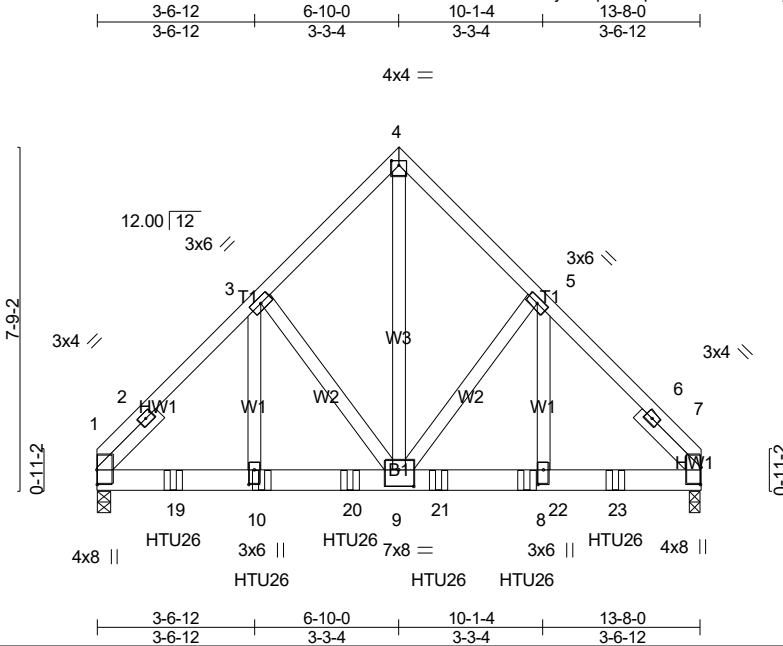
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Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS 228 SHELBY MEADOW LANE ANGIER, NC
25-4772-R01	R12	Common Girder	1	2	

59842

Job Reference (optional)

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Scale = 1:52.1

Plate Offsets (X,Y)--	[1:0-4-0,0-0-2], [4:0-2-0,0-1-4], [7:0-4-11,0-0-2], [8:0-4-0,0-1-8], [9:0-4-0,0-4-8], [10:0-4-0,0-1-8]
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LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) 20.0	Plate Grip DOL 1.15	TC 0.38	Vert(LL) -0.05	8-9	>999	240	MT20	244/190
Snow (Pf) 20.0	Lumber DOL 1.15	BC 0.76	Vert(CT) -0.09	8-9	>999	180		
TCDL 10.0	Rep Stress Incr NO	WB 0.96	Horz(CT) 0.02	7	n/a	n/a		
BCLL 0.0 *	Code IRC2021/TPI2014	Matrix-MSH						
BCDL 10.0							Weight: 206 lb	FT = 0%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 5-3-8 oc purlins.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	
SLIDER Left 2x4 SP No.3 1-11-0, Right 2x4 SP No.3 1-11-0	

REACTIONS. (lb/size)	1=4423/0-3-8 (min. 0-2-12), 7=4276/0-3-8 (min. 0-2-10)
	Max Horz 1=133(LC 34)
	Max Uplift 1=-336(LC 11), 7=-325(LC 10)
	Max Grav 1=4634(LC 3), 7=4476(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	1-2=-3333/234, 2-3=-4833/391, 3-4=-3488/343, 4-5=-3486/343, 5-6=-4804/388, 6-7=-3231/227
BOT CHORD	1-19=-284/3335, 10-19=-284/3335, 10-20=-284/3335, 9-20=-284/3335, 9-21=-229/3309, 21-22=-229/3309, 8-22=-229/3309, 8-23=-229/3309, 7-23=-229/3309
WEBS	4-9=-409/4647, 5-9=-1361/218, 5-8=-134/1935, 3-9=-1402/220, 3-10=-137/1980

- NOTES- (11)
- 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 0-7-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - 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.
 - Unbalanced roof live loads have been considered for this design.
 - 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
 - TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); 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
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=336, 7=325.
 - Use Simpson Strong-Tie HTU26 (10-16d Girder, 14-10dx1 1/2 Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-8-12 from the left end to 11-8-12 to connect truss(es) R24 (1 ply 2x4 SP) to back face of bottom chord.
 - Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S)	Standard
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Continued on page 2



6/2/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS 228 SHELBY MEADOW LANE ANGIER, NC
25-4772-R01	R12	Common Girder	1	2	Job Reference (optional) # 59842

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Mon Jun 2 23:17:38 2025 Page 2
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LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-4=-60, 4-7=-60, 11-15=-20
Concentrated Loads (lb)
Vert: 10=-1268(B) 19=-1268(B) 20=-1268(B) 21=-1268(B) 22=-1268(B) 23=-1268(B)



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Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS 228 SHELBY MEADOW LANE ANGIER, NC
25-4772-R01	R13	GABLE	1	1	
					Job Reference (optional) # 59842

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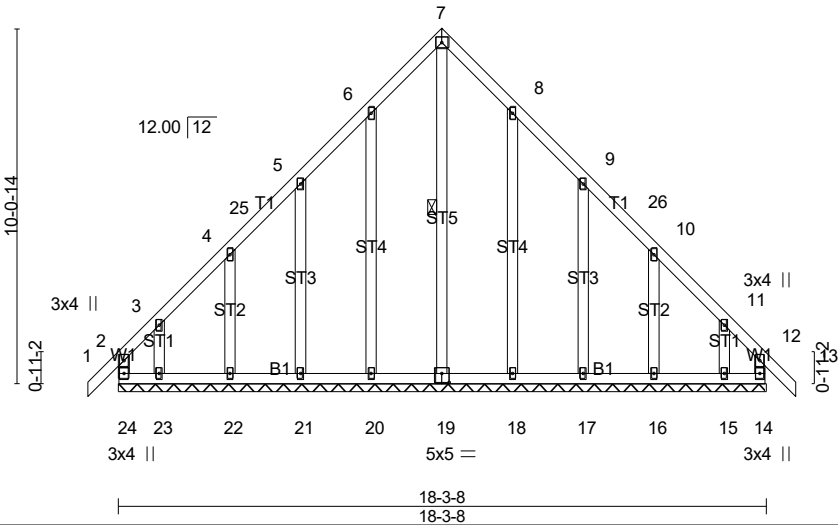
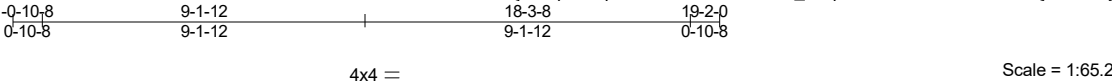


Plate Offsets (X,Y)-- [19:0-2-8,0-3-0]

LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.18	in (loc)	l/defl	MT20		244/190	
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.10	Vert(LL)	-0.00 13 n/r				
TCDL	10.0	Rep Stress Incr	YES	WB	0.16	Vert(CT)	-0.00 13 n/r				
BCLL	0.0 *	Code IRC2021/TPI2014		Matrix-R		Horz(CT)	0.00 14 n/a				
BCDL	10.0										
								Weight: 139 lb		FT = 0%	

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 7-19

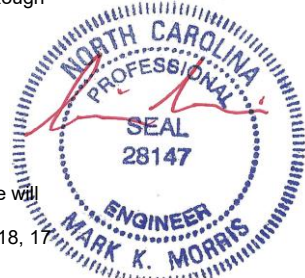
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 18-3-8.
(lb) - Max Horz 24=196(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 14, 20, 21, 22, 18, 17, 16 except 24=-129(LC 8), 23=-188(LC 12), 15=-175(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 24, 14, 22, 23, 16, 15 except 19=318(LC 23), 20=270(LC 20), 21=267(LC 20), 18=269(LC 21), 17=267(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 6-7=-133/271, 7-8=-133/272
WEBS 7-19=-319/107

- NOTES-** (13)
- Unbalanced roof live loads have been considered for this design.
 - 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 4-4-2, Corner(3R) 4-4-2 to 13-11-6, Exterior(2N) 13-11-6 to 14-4-6, Corner(3E) 14-4-6 to 19-2-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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.
 - TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); 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
 - 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.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14, 20, 21, 22, 18, 17, 16 except (jt=lb) 24=129, 23=188, 15=175.

LOAD CASE(S) Standard



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Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS 228 SHELBY MEADOW LANE ANGIER, NC
25-4772-R01	R14	Common Girder	1	2	

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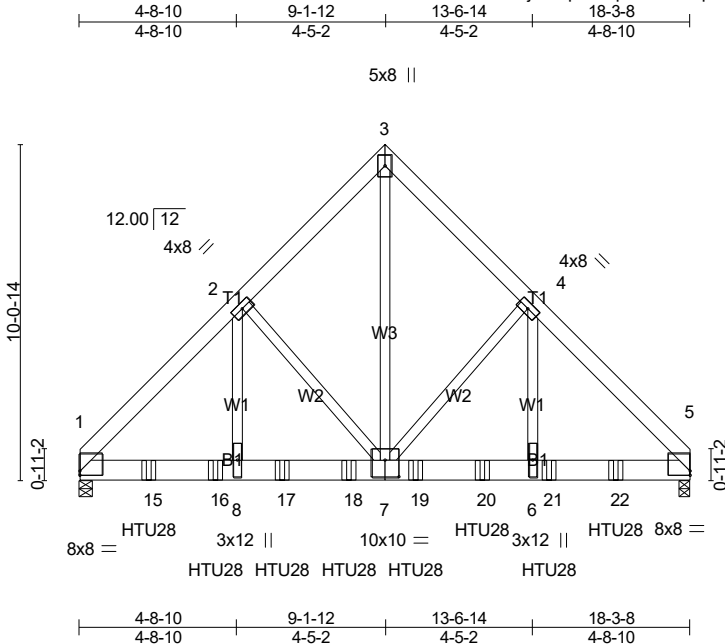


Plate Offsets (X,Y)-- [1:0-0-0,0-1-9], [5:0-0-0,0-1-9], [7:0-5-0,0-6-0]									
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES	
TCLL (roof)	20.0	2-0-0	Plate Grip DOL	1.15	TC	0.26	in (loc)	l/defl	L/d
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.37	Vert(LL)	-0.08	6-7	>999
TCDL	10.0	Rep Stress Incr	NO	WB	0.93	Vert(CT)	-0.14	6-7	>999
BCLL	0.0 *	Code IRC2021/TPI2014		Matrix-MSH		Horz(CT)	0.02	5	n/a
BCDL	10.0								
								Weight: 328 lb	FT = 20%

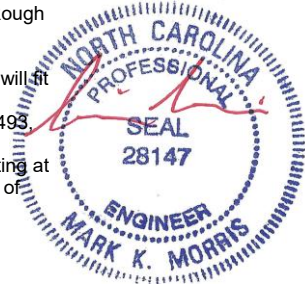
LUMBER-		BRACING-	
TOP CHORD	2x6 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 5-4-2 oc purlins.
BOT CHORD	2x8 SP DSS	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3 *Except*		
	W3: 2x4 SP No.2		

REACTIONS. (lb/size) 1=6661/0-4-0 (min. 0-3-9), 5=6698/0-4-0 (min. 0-3-11)
Max Horz 1=-179(LC 31)
Max Uplift 1=-493(LC 11), 5=-369(LC 10)
Max Grav 1=7089(LC 3), 5=7249(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-7977/568, 2-3=-5651/466, 3-4=-5651/465, 4-5=-8167/492
BOT CHORD 1-15=-418/5546, 15-16=-418/5546, 8-16=-418/5546, 8-17=-418/5546, 17-18=-418/5546,
7-18=-418/5546, 7-19=-291/5682, 19-20=-291/5682, 6-20=-291/5682, 6-21=-291/5682,
21-22=-291/5682, 5-22=-291/5682
WEBS 3-7=-555/7590, 4-7=-2558/247, 4-6=-107/3549, 2-7=-2353/330, 2-8=-220/3261

- NOTES-** (11)
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-5-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - 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.
 - Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TC DL=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
 - TC LL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); 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
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=493, 5=369.
 - Use Simpson Strong-Tie HTU28 (20-16d Girder, 26-10dx1 1/2 Truss, Single Ply Girder) or equivalent spaced at 2-0-0 oc max. starting at 2-0-12 from the left end to 16-0-12 to connect truss(es) R16 (1 ply 2x4 SP), R18A (1 ply 2x4 SP), R19A (1 ply 2x4 SP) to back face of bottom chord.
 - Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard
Continued on page 2



6/2/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS 228 SHELBY MEADOW LANE ANGIER, NC
25-4772-R01	R14	Common Girder	1	2	Job Reference (optional) # 59842

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LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-60, 3-5=-60, 9-12=-20
Concentrated Loads (lb)
Vert: 15=-1459(B) 16=-1459(B) 17=-1459(B) 18=-1459(B) 19=-1459(B) 20=-1459(B) 21=-1569(B) 22=-1569(B)



6/2/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS 228 SHELBY MEADOW LANE ANGIER, NC
25-4772-R01	R15	GABLE Gable Gable COMMON Gable	1	1	
					Job Reference (optional) # 59842

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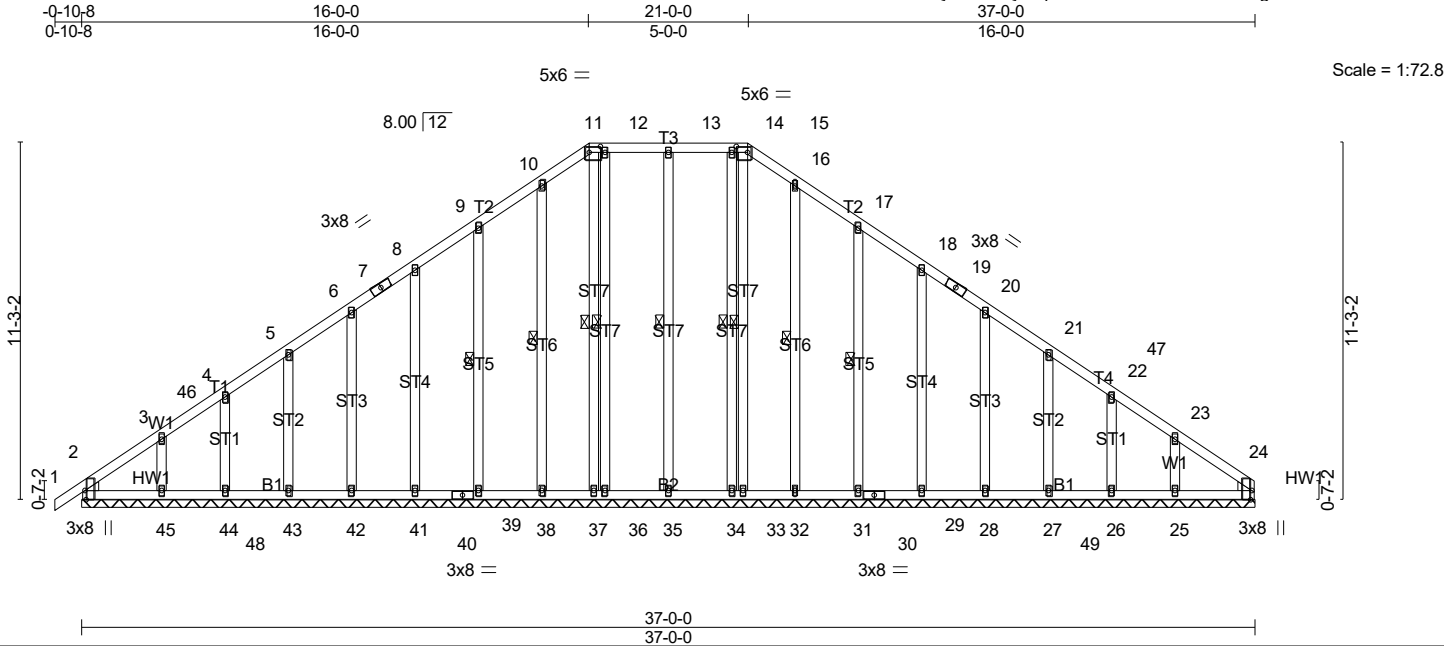


Plate Offsets (X,Y)-- [2:0-3-8,Edge], [11:0-4-4,0-2-4], [15:0-4-4,0-2-4], [24:0-3-8,Edge]						
LOADING (psf)		SPACING-	2-0-0	CSI.	DEFL.	PLATES
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC 0.09	in (loc) l/defl L/d	MT20
Snow (Pf)	20.0	Lumber DOL	1.15	BC 0.06	Vert(LL) 0.00 1 n/r 180	GRIP 244/190
TCDL	10.0	Rep Stress Incr	YES	WB 0.12	Vert(CT) 0.00 1 n/r 80	
BCLL	0.0 *	Code IRC2021/TPI2014		Matrix-S	Horz(CT) 0.01 24 n/a n/a	
BCDL	10.0					Weight: 321 lb FT = 20%

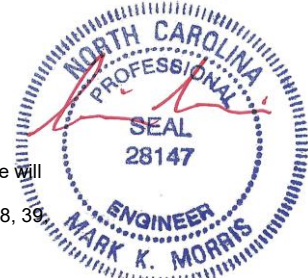
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 13-35, 12-36, 10-38, 9-39, 11-37, 14-34, 16-32, 17-31, 15-33
OTHERS 2x4 SP No.3	
WEDGE	
Left: 2x4 SP No.3 , Right: 2x4 SP No.3	MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 37-0-0.
(lb) - Max Horz 2=218(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 24, 35, 36, 38, 39, 41, 42, 43, 44, 37, 34, 32, 31, 29, 28, 27, 26, 45, 25
Max Grav All reactions 250 lb or less at joint(s) 2, 24, 35, 36, 38, 44, 37, 34, 32, 26, 33, 45, 25 except 39=259(LC 20), 41=253(LC 20), 42=254(LC 20), 43=254(LC 24), 31=260(LC 21), 29=253(LC 21), 28=253(LC 21), 27=256(LC 21)

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; TCCL=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 9-2-9, Exterior(2R) 9-2-9 to 27-9-7, Interior(1) 27-9-7 to 32-2-6, Exterior(2E) 32-2-6 to 37-0-0 zone; cantilever left exposed ; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Truss designed for wind loads in the plane of the truss only. 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) TCCL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); 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) 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) All plates are 2x4 MT20 unless otherwise indicated.
 - 8) Gable requires continuous bottom chord bearing.
 - 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) 2, 24, 35, 36, 38, 39, 41, 42, 43, 44, 37, 34, 32, 31, 29, 28, 27, 26, 45, 25.

LOAD CASE(S) Standard



6/2/2025

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 53719.

Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS 228 SHELBY MEADOW LANE ANGIER, NC
25-4772-R01	R16	PIGGYBACK BASE	1	1	
Job Reference (optional)					# 59842

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Mon Jun 2 23:17:42 2025 Page 1
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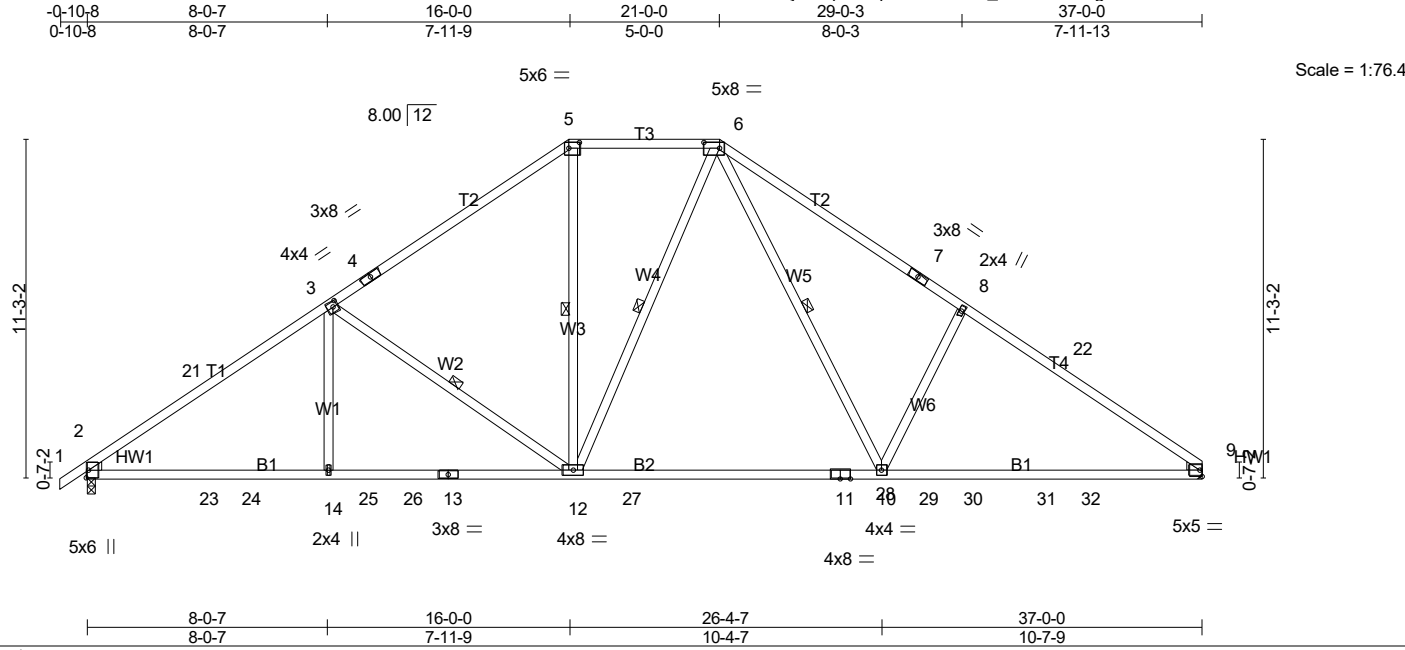


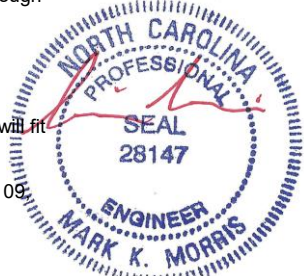
Plate Offsets (X,Y)-- [3:0-1-12,0-2-0], [5:0-4-4,0-2-4], [6:0-6-4,0-2-4]									
LOADING (psf)		SPACING		CSI		DEFL.		PLATES	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.76	in (loc)	l/defl	MT20	GRIP
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.70	Vert(LL)	-0.56 10-12		244/190
TCDL	10.0	Rep Stress Incr	YES	WB	0.40	Vert(CT)	-0.76 10-12		
BCLL	0.0 *	Code IRC2021/TPI2014		Matrix-AS		Horz(CT)	0.07 9		
BCDL	10.0							Weight: 205 lb	FT = 0%

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	2x4 SP SS	BOT CHORD	Rigid ceiling directly applied.
WEBS	2x4 SP No.3	WEBS	1 Row at midpt 3-12, 5-12, 6-12, 6-10
WEDGE			
Left: 2x4 SP No.3 , Right: 2x4 SP No.3			MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 2=1533/0-3-8 (min. 0-2-0), 9=1479/Mechanical
Max Horz2=216(LC 9)
Max Uplift2=-109(LC 12), 9=-153(LC 8)
Max Grav2=1682(LC 3), 9=1654(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-21=-2470/1186, 3-21=-2282/1212, 3-4=-1847/975, 4-5=-1728/1015, 5-6=-1444/903,
6-7=-2167/1260, 7-8=-2288/1219, 8-22=-2260/1191, 9-22=-2445/1164
BOT CHORD 2-23=-929/1971, 23-24=-929/1971, 14-24=-929/1971, 14-25=-929/1971, 25-26=-929/1971,
13-26=-929/1971, 12-13=-929/1971, 12-27=-604/1404, 27-28=-604/1404, 11-28=-604/1404,
10-11=-604/1404, 10-29=-920/1957, 29-30=-920/1957, 30-31=-920/1957, 31-32=-920/1957,
9-32=-920/1957
WEBS 3-14=-201/375, 3-12=-683/354, 5-12=-437/697, 6-10=-540/998, 8-10=-454/251

- 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 9-2-9, Exterior(2R) 9-2-9 to 27-9-7, Interior(1) 27-9-7 to 32-2-6, Exterior(2E) 32-2-6 to 37-0-0 zone; cantilever left exposed ; porch left exposed; 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=1.15 Plate DOL=1.15); 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) 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) Provide adequate drainage to prevent water ponding.
 - 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 100 lb uplift at joint(s) except (jt=lb) 2=109 9=153.
 - 10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS 228 SHELBY MEADOW LANE ANGIER, NC
25-4772-R01	R18A	PIGgyBACK BASE	5	1	
					Job Reference (optional) # 59842

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Mon Jun 2 23:17:43 2025 Page 1
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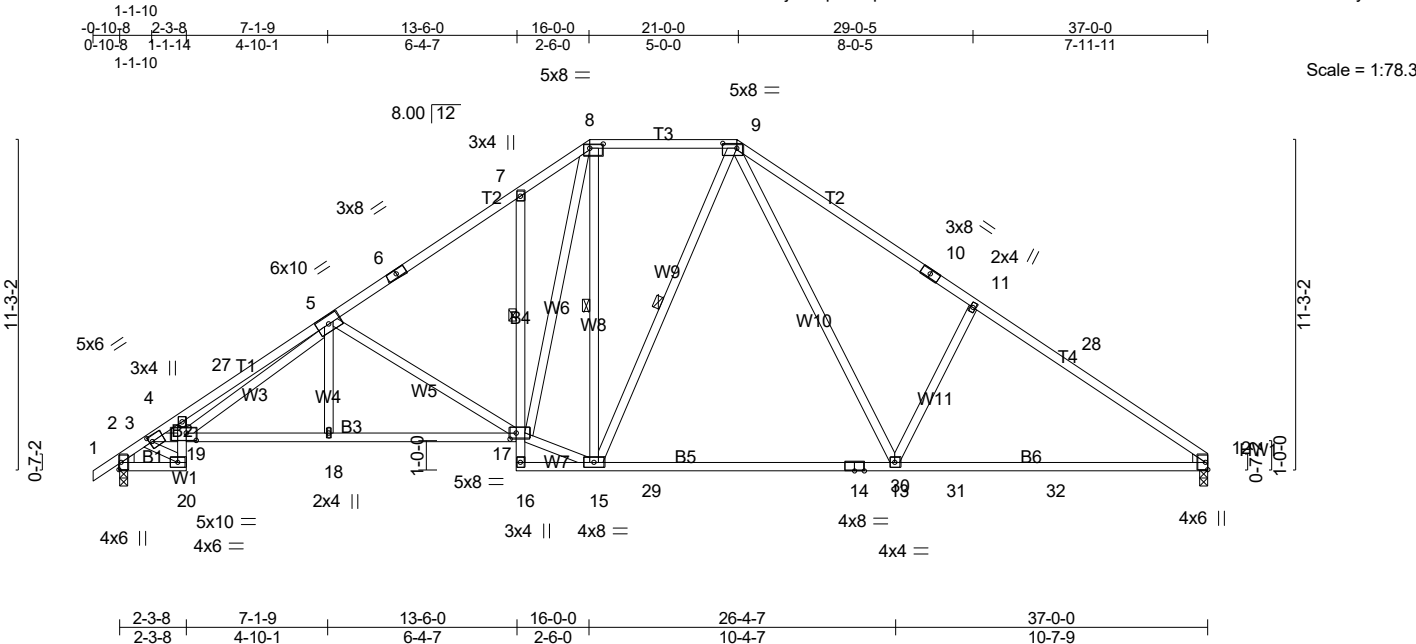


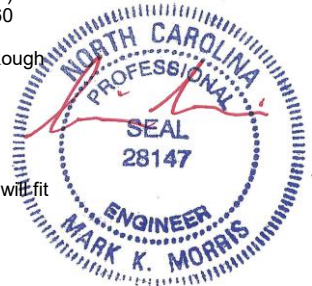
Plate Offsets (X,Y)--		[3:0-1-4,0-2-4], [8:0-5-8,0-1-12], [9:0-5-12,0-2-0], [17:0-2-8,0-2-8], [19:0-4-0,0-3-0]	
LOADING (psf)		SPACING-	2-0-0
TCLL (roof)	20.0	Plate Grip DOL	1.15
Snow (Pf)	20.0	Lumber DOL	1.15
TCDL	10.0	Rep Stress Incr	YES
BCLL	0.0 *	Code IRC2021/TPI2014	
BCDL	10.0		
		CSI.	
		TC	0.90
		BC	1.00
		WB	0.92
		Matrix-AS	
		DEFL.	
		in (loc)	l/defl
		Vert(LL)	-0.51 13-15 >870 240
		Vert(CT)	-0.78 13-15 >570 180
		Horz(CT)	0.24 12 n/a n/a
		PLATES	GRIP
		MT20	244/190
		Weight: 245 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied.
BOT CHORD 2x4 SP No.2 *Except*	BOT CHORD Rigid ceiling directly applied. Except:
B3,B5: 2x4 SP No.1, B6: 2x4 SP SS	1 Row at midpt 7-17
WEBS 2x4 SP No.3 *Except*	1 Row at midpt 8-15, 9-15
W2: 2x4 SP No.2	
WEDGE	
Left: 2x4 SP No.3 , Right: 2x4 SP No.3	MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 2=1533/0-3-8 (min. 0-1-13), 12=1479/0-3-8 (min. 0-1-14)
Max Horz2=216(LC 9)
Max Uplift2=-109(LC 12), 12=-95(LC 13)
Max Grav2=1533(LC 1), 12=1602(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1986/129, 3-4=-4290/415, 4-27=-4436/495, 5-27=-4399/512, 5-6=-2018/190, 6-7=-1916/213, 7-8=-1951/311, 8-9=-1342/229, 9-10=-2076/254, 10-11=-2196/213, 11-28=-2169/188, 12-28=-2354/164
BOT CHORD 2-20=-207/1519, 19-20=-114/889, 18-19=-215/2375, 17-18=-215/2376, 7-17=-277/173, 15-29=0/1337, 29-30=0/1337, 14-30=0/1337, 13-14=0/1337, 13-31=-79/1882, 31-32=-79/1882, 12-32=-79/1882
WEBS 5-18=0/321, 5-17=-831/192, 15-17=0/1518, 8-17=-240/1189, 8-15=-400/149, 9-13=-138/990, 11-13=-453/250, 3-19=-387/3154, 3-20=-1277/174, 5-19=-332/1861

- 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; TC DL=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 9-2-9, Exterior(2R) 9-2-9 to 27-9-7, Interior(1) 27-9-7 to 32-2-6, Exterior(2E) 32-2-6 to 37-0-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) TC LL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); 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) 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) Provide adequate drainage to prevent water ponding.
 - 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) 12 except (jt=lb) 2=109.
 - 9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



6/2/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS 228 SHELBY MEADOW LANE ANGIER, NC
25-4772-R01	R18A	PIGGYBACK BASE	5	1	Job Reference (optional) # 59842

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Mon Jun 2 23:17:43 2025 Page 2
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LOAD CASE(S) Standard

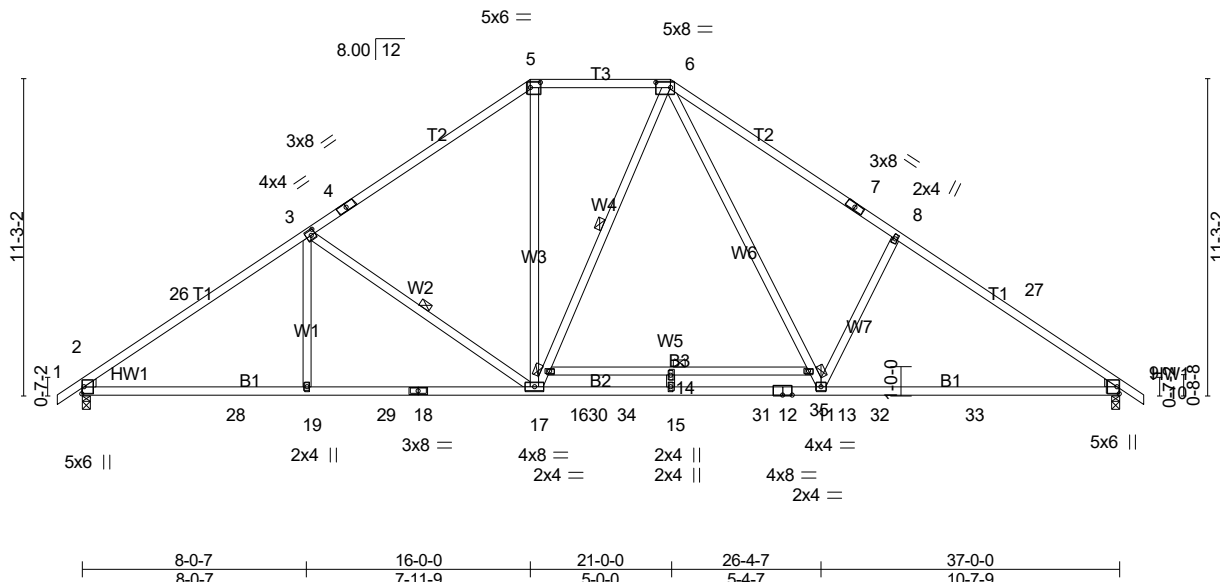


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-0-10-8	8-0-7	16-0-0	21-0-0	29-0-3	37-0-0	37-10-8
0-10-8	8-0-7	7-11-9	5-0-0	8-0-3	7-11-13	0-10-8

Scale = 1:82.2



LUMBER- TOP CHORD 2x4 SP No.2 *Except* T2: 2x4 SP No.1 BOT CHORD 2x4 SP SS WEBS 2x4 SP No.3 WEDGE Left: 2x4 SP No.3 , Right: 2x4 SP No.3	BRACING- TOP CHORD Structural wood sheathing directly applied. BOT CHORD Rigid ceiling directly applied. Except: 6-0-0 oc bracing: 13-16 WEBS 1 Row at midpt 3-17, 6-16 MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.
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FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD
2-26=-2771/75, 3-26=-2583/101, 3-4=-2174/102, 4-5=-2056/142, 5-6=-1719/171,
6-7=-2592/151, 7-8=-2711/110, 8-27=-2685/84, 9-27=-2870/59

BOT CHORD
2-28=-106/2353, 19-28=-106/2353, 19-29=-106/2353, 18-29=-106/2353, 17-18=-106/2353,
17-30=0/1758, 15-30=0/1758, 15-31=0/1758, 12-31=0/1758, 11-12=0/1758, 11-32=0/2303
32-33=0/2303, 9-33=0/2303

WEBS
3-19=0/343, 3-17=-728/219, 5-17=0/878, 6-16=-98/270, 6-13=-88/1213, 11-13=-123/1018,
8-11=-437/253

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; TCFL=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 9-2-9, Exterior(2R) 9-2-9 to 27-9-7, Interior(1) 27-9-7 to 33-0-14, Exterior(2E) 33-0-14 to 37-10-8 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) TCFL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); 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) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof live load of 20.0 psf on overhangs non-concurrent with other live loads.
- 5) Provide adequate drainage to prevent water ponding.
- 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) 2, 9.
- 9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

6/2/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS 228 SHELBY MEADOW LANE ANGIER, NC
25-4772-R01	R19A	PIGGYBACK BASE	3	1	
Job Reference (optional)					# 59842

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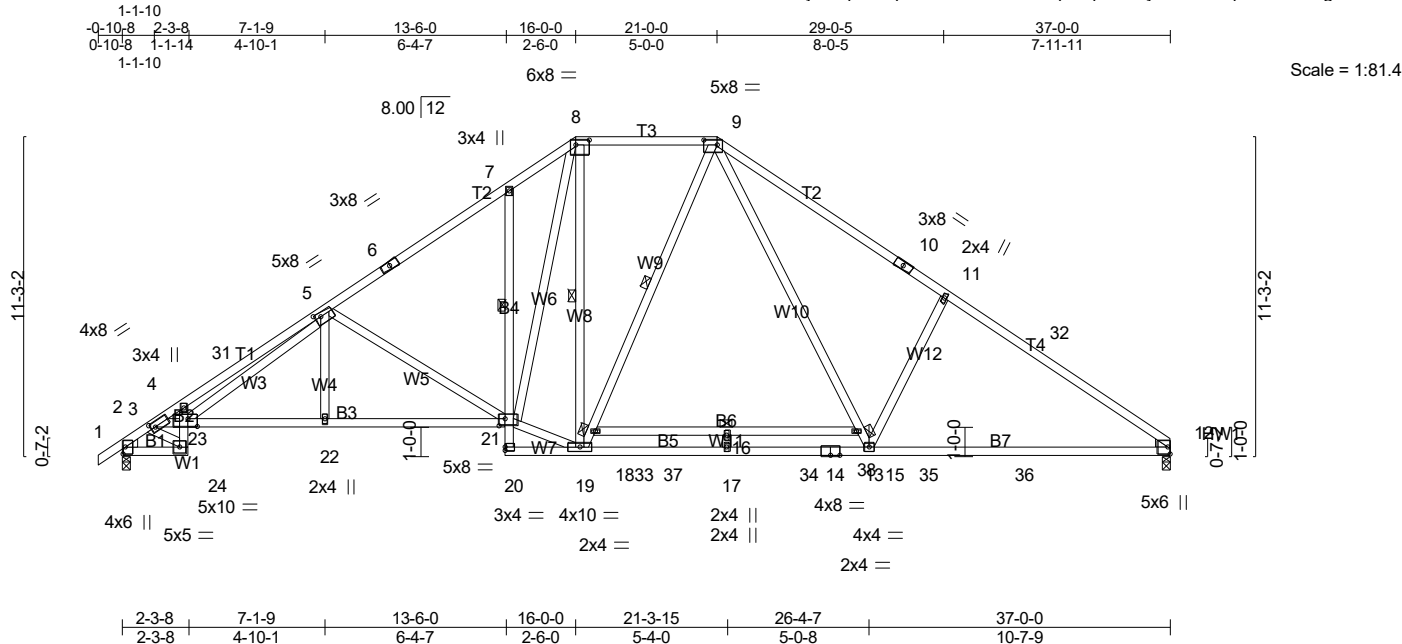


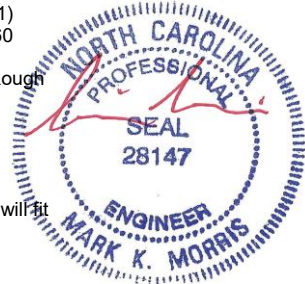
Plate Offsets (X,Y)-- [3:0-2-0,0-2-0], [5:0-2-10,0-1-12], [8:0-5-12,0-2-0], [9:0-5-12,0-2-0], [21:0-2-8,0-3-0], [23:0-4-0,0-3-4]									
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.93	in (loc)	l/defl	MT20	GRIP
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.91	Vert(LL)	-0.70 16 >633		244/190
TCDL	10.0	Rep Stress Incr	YES	WB	0.96	Vert(CT)	-1.08 16 >412		
BCLL	0.0 *	Code IRC2021/TPI2014		Matrix-AS		Horz(CT)	0.26 12 n/a n/a		
BCDL	10.0							Weight: 260 lb	FT = 20%

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2 *Except* T1: 2x4 SP No.1	TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	2x4 SP No.1 *Except* B1,B4: 2x4 SP No.2, B5,B7: 2x4 SP SS	BOT CHORD	Rigid ceiling directly applied. Except: 1 Row at midpt 7-21 6-0-0 oc bracing: 15-18
WEBS	2x4 SP No.3 *Except* W2: 2x4 SP No.2	WEBS	1 Row at midpt 8-19, 9-18
WEDGE	Left: 2x4 SP No.3, Right: 2x4 SP No.3		MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 2=1614/0-3-8 (min. 0-2-0), 12=1589/0-3-8 (min. 0-2-3)
Max Horz2=216(LC 11)
Max Uplift2=-68(LC 12), 12=-40(LC 13)
Max Grav2=1695(LC 20), 12=1844(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2217/71, 3-4=-4784/291, 4-31=-4996/372, 5-31=-4959/390, 5-6=-2373/111,
6-7=-2270/134, 7-8=-2305/231, 8-9=-1625/166, 9-10=-2506/157, 10-11=-2624/117,
11-32=-2598/91, 12-32=-2783/66
BOT CHORD 2-24=-167/1690, 23-24=-90/978, 22-23=-143/2700, 21-22=-143/2700, 20-21=-329/0,
7-21=-275/172, 19-33=0/1683, 17-33=0/1683, 17-34=0/1683, 14-34=0/1683, 13-14=0/1683,
13-35=0/2233, 35-36=0/2233, 12-36=0/2233
WEBS 5-22=0/324, 5-21=-867/184, 19-21=0/1857, 8-21=-226/1229, 8-19=-337/277, 9-15=-89/1201,
13-15=-122/1027, 11-13=-439/253, 3-23=-297/3483, 3-24=-1404/140, 5-23=-293/2051

- NOTES-** (10)
- Unbalanced roof live loads have been considered for this design.
 - 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 9-2-9, Exterior(2R) 9-2-9 to 27-9-7, Interior(1) 27-9-7 to 32-2-6, Exterior(2E) 32-2-6 to 37-0-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); 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
 - 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.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 12.
 - This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



6/2/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS 228 SHELBY MEADOW LANE ANGIER, NC
25-4772-R01	R19A	PIGGYBACK BASE	3	1	Job Reference (optional) # 59842

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Mon Jun 2 23:17:45 2025 Page 2
ID:oDuWOOMhLxMOj2fwcp2aKqzMG6w-LnC7bB21spPvipPuAnyChYBYOrpasPUv0iMg9rzABMa

LOAD CASE(S) Standard



6/2/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS 228 SHELBY MEADOW LANE ANGIER, NC
25-4772-R01	R19B	PIGGYBACK BASE	1	1	
					# 59842
					Job Reference (optional)

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Mon Jun 2 23:17:46 2025 Page 1
ID:oDuWOOMhLxMOj2fwcp2aKqzMG6w-pzmVpX3fd7XmJz_4jUTREljjQF9pbsj2FM6EiHzABMZ

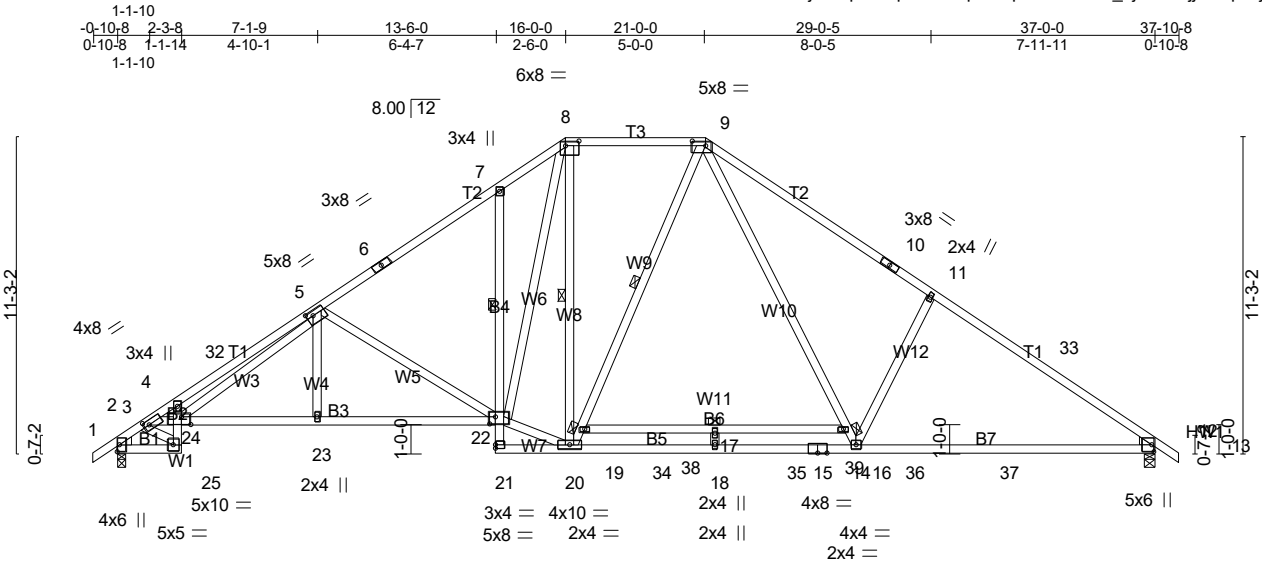


Plate Offsets (X,Y)--	[3:0-2-0,0-2-0], [5:0-2-10,0-1-12], [8:0-5-12,0-2-0], [9:0-5-12,0-2-0], [22:0-2-8,0-3-0], [24:0-4-0,0-3-4]
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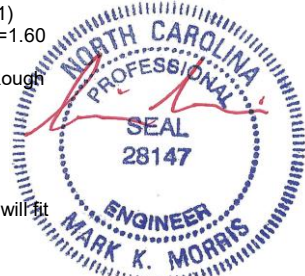
LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL 1.15	Vert(LL)	-0.70	17	>636	240	MT20
Snow (Pf)	20.0	Lumber DOL 1.15	Vert(CT)	-1.07	17	>414	180	
TCDL	10.0	Rep Stress Incr YES	Horz(CT)	0.26	12	n/a	n/a	
BCLL	0.0 *	Code IRC2021/TPI2014						
BCDL	10.0							
							Weight: 261 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except* T1: 2x4 SP No.1	TOP CHORD Structural wood sheathing directly applied.
BOT CHORD 2x4 SP No.1 *Except* B1,B4: 2x4 SP No.2, B5,B7: 2x4 SP SS	BOT CHORD Rigid ceiling directly applied. Except: 1 Row at midpt 7-22 6-0-0 oc bracing: 16-19
WEBS 2x4 SP No.3 *Except* W2: 2x4 SP No.2	WEBS 1 Row at midpt 8-20, 9-19
WEDGE Left: 2x4 SP No.3 , Right: 2x4 SP No.3	MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 2=1614/0-3-8 (min. 0-2-0), 12=1643/0-3-8 (min. 0-2-4)
Max Horz 2=-220(LC 10)
Max Uplift 2=-68(LC 12), 12=-54(LC 13)
Max Grav 2=1694(LC 20), 12=1893(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2216/71, 3-4=-4790/282, 4-32=-5002/362, 5-32=-4965/380, 5-6=-2372/106,
6-7=-2269/129, 7-8=-2305/226, 8-9=-1625/164, 9-10=-2503/151, 10-11=-2622/110,
11-33=-2596/85, 12-33=-2781/59
BOT CHORD 2-25=-160/1695, 24-25=-86/981, 23-24=-133/2706, 22-23=-133/2707, 21-22=-329/0,
7-22=-274/172, 20-34=0/1686, 18-34=0/1686, 18-35=0/1686, 15-35=0/1686, 14-15=0/1686,
14-36=0/2231, 36-37=0/2231, 12-37=0/2231
WEBS 5-23=0/324, 5-22=-868/183, 20-22=0/1862, 8-22=-223/1231, 8-20=-337/277, 9-16=-89/1199,
14-16=-121/1025, 11-14=-439/254, 3-24=-284/3492, 3-25=-1409/133, 5-24=-285/2057

- NOTES-** (10)
- Unbalanced roof live loads have been considered for this design.
 - 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 9-2-9, Exterior(2R) 9-2-9 to 27-9-7, Interior(1) 27-9-7 to 33-0-14, Exterior(2E) 33-0-14 to 37-10-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); 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
 - 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.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 12.
 - This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



6/2/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS 228 SHELBY MEADOW LANE ANGIER, NC
25-4772-R01	R19B	PIGGYBACK BASE	1	1	Job Reference (optional) # 59842

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LOAD CASE(S) Standard



6/2/2025

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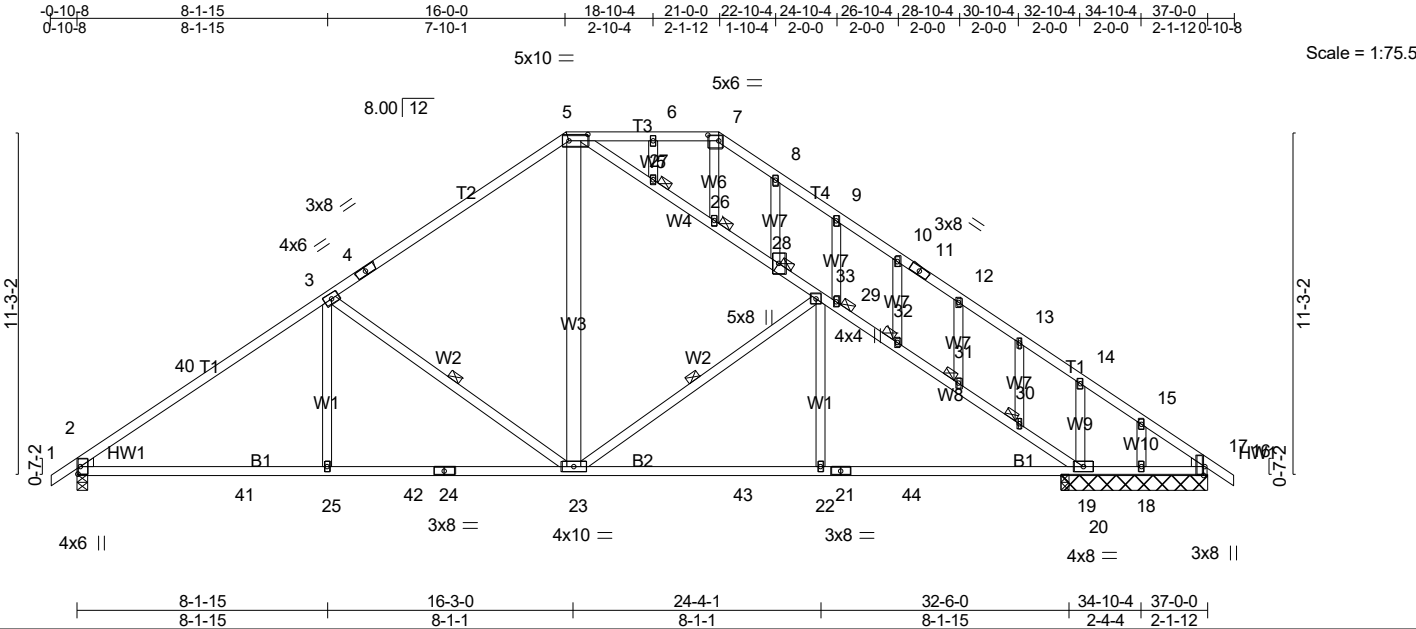


Plate Offsets (X,Y)-- [5:0-7-8,0-2-8], [7:0-4-4,0-2-4], [16:0-3-8,Edge]									
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.68	in (loc)	l/defl	L/d	GRIP
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.75	Vert(LL)	-0.12 22-23	>999	244/190
TCDL	10.0	Rep Stress Incr	YES	WB	0.85	Vert(CT)	-0.25 22-23	>999	
BCLL	0.0 *	Code IRC2021/TPI2014		Matrix-AS		Horz(CT)	0.09 37	n/a	
BCDL	10.0								
								Weight: 257 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 SP No.2

WEBS 2x4 SP No.3 *Except*

W3: 2x6 SP No.2

WEDGE

Left: 2x4 SP No.3 , Right: 2x4 SP No.3

BRACING-

TOP CHORD

BOT CHORD

WEBS

JOINTS

Structural wood sheathing directly applied.

Rigid ceiling directly applied.

1 Row at midpt 3-23, 23-33

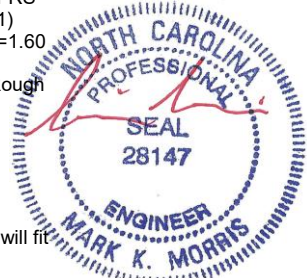
1 Brace at Jt(s): 26, 27, 28, 29, 30, 31, 32

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

REACTIONS. All bearings 4-9-8 except (jt=length) 2=0-3-8, 20=0-3-8.
(lb) - Max Horz 2=-220(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 16, 18 except 19=-445(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 18 except 2=1478(LC 20), 16=362(LC 31), 19=1127(LC 21), 20=621(LC 5), 16=333(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-40=-2082/103, 3-40=-1891/130, 3-4=-1405/140, 4-5=-1284/179, 5-6=-256/101, 6-7=-256/101, 7-8=-348/119, 8-9=-347/89, 9-10=-279/93, 10-11=-288/84, 11-12=-324/78, 12-13=-342/84, 13-14=-441/68, 14-15=-331/163, 15-16=-431/110
BOT CHORD 2-41=-136/1792, 25-41=-136/1792, 25-42=-136/1792, 24-42=-136/1792, 23-24=-136/1792, 23-43=-2/1588, 22-43=-2/1588, 21-22=-2/1588, 21-44=-2/1588, 20-44=-2/1588, 19-20=-2/1588, 18-19=-106/345, 16-18=-106/345
WEBS 5-27=-1102/174, 26-27=-1134/172, 26-28=-1134/178, 28-33=-1170/193, 29-33=-1574/161, 29-32=-1667/227, 31-32=-1682/234, 30-31=-1734/248, 19-30=-1702/239, 14-19=-523/252, 3-25=0/450, 22-33=0/451, 5-23=-49/974, 3-23=-816/210, 23-33=-685/148

- NOTES-** (11)
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCCL=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 9-3-1, Exterior(2R) 9-3-1 to 27-9-7, Interior(1) 27-9-7 to 32-10-4, Exterior(2E) 32-10-4 to 37-10-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - TCCL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); 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
 - 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.
 - Provide adequate drainage to prevent water ponding.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * 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.



Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS 228 SHELBY MEADOW LANE ANGIER, NC
25-4772-R01	R22	Piggyback Base	1	1	Job Reference (optional) # 59842

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Mon Jun 2 23:17:47 2025 Page 2
ID:oDuWOOMhLxMOj2fwcp2aKqzMG6w-HAKt0t3HOQfdx7ZGHC_gmzGyrfYcKJjCU0mEjzABMY

- NOTES-** (11)
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 16, 18, 16 except (jt=lb) 19=445.
- 10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard



6/2/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS 228 SHELBY MEADOW LANE ANGIER, NC
25-4772-R01	R23	Common	3	1	
Job Reference (optional)					# 59842

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ID: oDuWOOMhLxMOj2fwcp2aKqzMG6w-HAKt0t3HOQfdx7ZGHC_gmzGzTTYaKQRcU0mEjzABMY

-0-10-8 8-1-15 16-3-0 24-4-1 32-6-0 33-4-8
0-10-8 8-1-15 8-1-1 8-1-1 8-1-15 0-10-8

4x6 =

Scale = 1:72.6

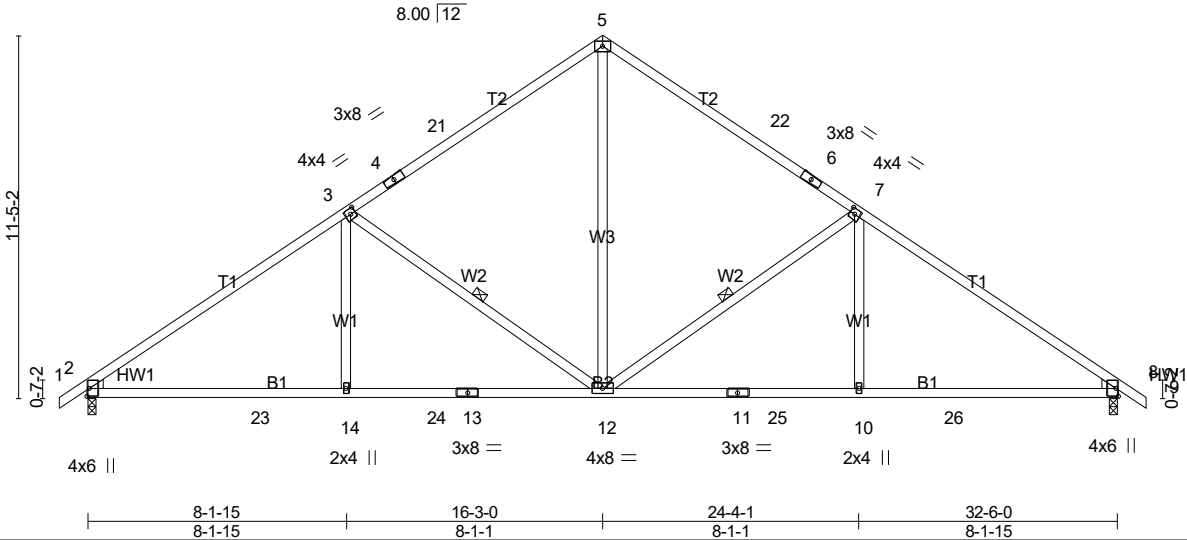


Plate Offsets (X,Y)-- [3:0-1-12,0-2-0], [7:0-1-12,0-2-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.64	Vert(LL) -0.12	10-12	>999	240	MT20	244/190
Snow (Pf) 20.0	Plate Grip DOL 1.15	BC 0.75	Vert(CT) -0.24	10-12	>999	180		
TCDL 10.0	Lumber DOL 1.15	WB 0.42	Horz(CT) 0.08	8	n/a	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-AS						
BCDL 10.0	Code IRC2021/TPI2014						Weight: 172 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3 , Right: 2x4 SP No.3

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

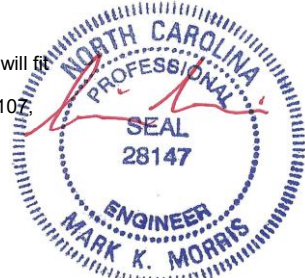
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 2=1353/0-3-8 (min. 0-1-12), 8=1353/0-3-8 (min. 0-1-12)
Max Horz2=-223(LC 10)
Max Uplift2=-107(LC 12), 8=-107(LC 13)
Max Grav2=1482(LC 20), 8=1482(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2089/168, 3-4=-1407/166, 4-21=-1315/180, 5-21=-1294/206, 5-22=-1294/206,
6-22=-1315/180, 6-7=-1407/166, 7-8=-2089/168
BOT CHORD 2-23=-159/1799, 14-23=-159/1799, 14-24=-159/1799, 13-24=-159/1799, 12-13=-159/1799,
11-12=-35/1643, 11-25=-35/1643, 10-25=-35/1643, 10-26=-35/1643, 8-26=-35/1643
WEBS 5-12=-67/1019, 7-12=-814/212, 7-10=0/452, 3-12=-814/211, 3-14=0/452

- NOTES-** (9)
- Unbalanced roof live loads have been considered for this design.
 - 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 11-5-6, Exterior(2R) 11-5-6 to 21-0-10, Interior(1) 21-0-10 to 28-6-14, Exterior(2E) 28-6-14 to 33-4-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); 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
 - 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.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=107, 8=107.
 - This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

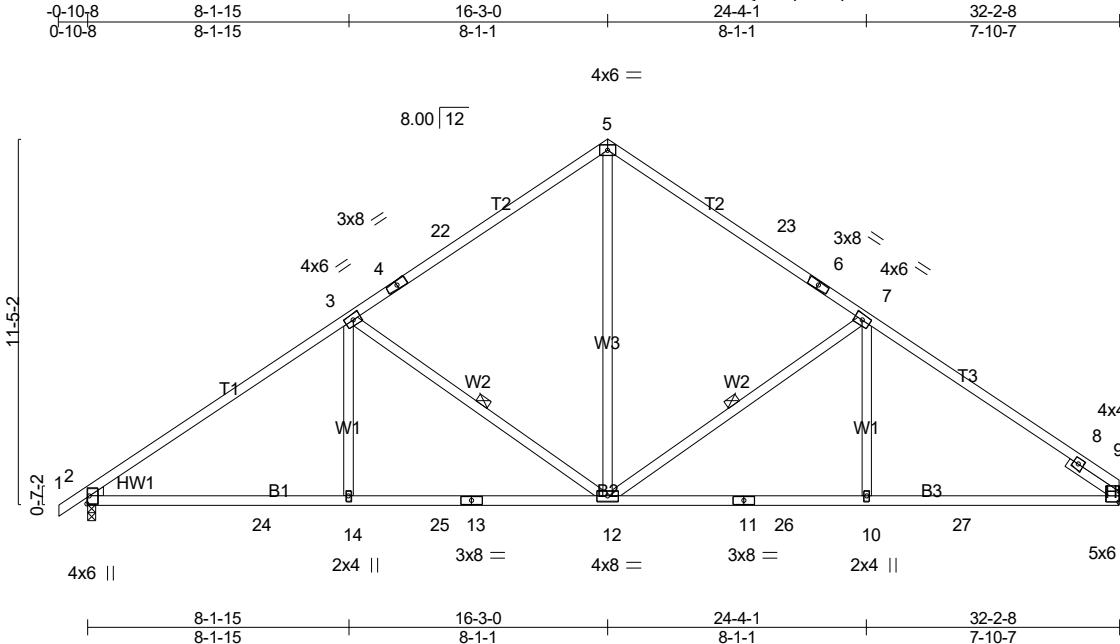


6/2/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS 228 SHELBY MEADOW LANE ANGIER, NC
25-4772-R01	R24	Common	6	1	
Job Reference (optional)					# 59842

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Mon Jun 2 23:17:48 2025 Page 1
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Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS 228 SHELBY MEADOW LANE ANGIER, NC
25-4772-R01	R24	Common	6	1	Job Reference (optional) # 59842

- Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Mon Jun 2 23:17:48 2025 Page 2
ID:oDuWOOMhLxMOj2fwcp2aKqzMG6w-mMtGEC4v9knUZG7TrvWvJAp8G2sK3tuLjfbLmAzABMX
- 10) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
- 11) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
- 12) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
- 13) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard



6/2/2025

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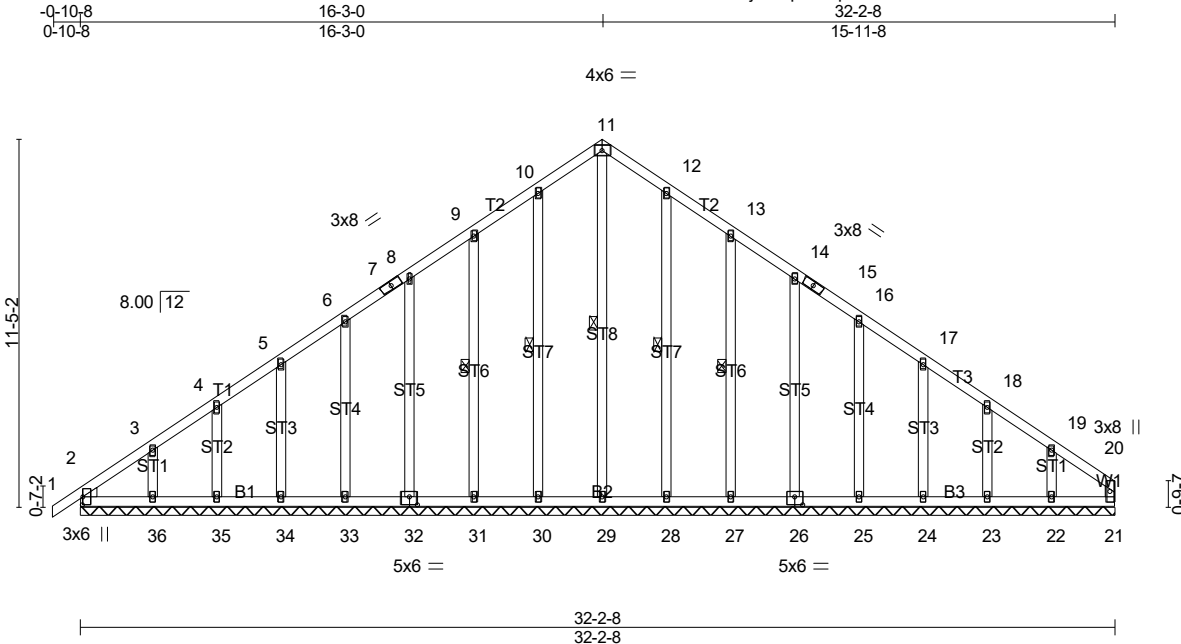


Plate Offsets (X,Y)-- [2:0-3-0,0-0-2], [26:0-3-0,0-3-0], [32:0-3-0,0-3-0]										
LOADING (psf)		SPACING-		CSI.		DEFL.			PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	2-0-0 1.15	TC	0.10	Vert(LL)	in (loc)	l/defl	L/d	
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.08	Vert(CT)				MT20 244/190
TCDL	10.0	Rep Stress Incr	YES	WB	0.13	Horz(CT)				
BCLL	0.0 *	Code IRC2021/TPI2014		Matrix-S						
BCDL	10.0									
									Weight: 240 lb	FT = 0%

LUMBER-

TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 SP No.2

WEBS 2x4 SP No.3

OTHERS 2x4 SP No.3

WEDGE

Left: 2x4 SP No.3

BRACING-

TOP CHORD

BOT CHORD

WEBS

Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.

Rigid ceiling directly applied or 10-0-0 oc bracing.

1 Row at midpt 11-29, 10-30, 9-31, 12-28, 13-27

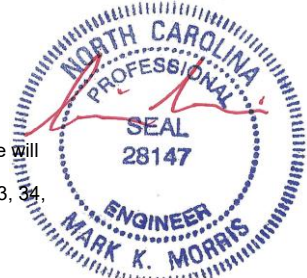
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 32-2-8.
(lb) - Max Horz 2=220(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 2, 30, 31, 32, 33, 34, 35, 36, 28, 27, 26, 25, 24, 23, 21 except 22=107(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 34, 35, 36, 24, 23, 22, 21 except 29=306(LC 23), 30=262(LC 20), 31=253(LC 20), 32=252(LC 20), 33=259(LC 20), 28=257(LC 21), 27=255(LC 21), 26=252(LC 21), 25=260(LC 21)

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

- NOTES-** (12)
- Unbalanced roof live loads have been considered for this design.
 - 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 11-5-6, Corner(3R) 11-5-6 to 21-0-10, Exterior(2N) 21-0-10 to 27-3-2, Corner(3E) 27-3-2 to 32-0-12 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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.
 - TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); 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
 - 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.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 30, 31, 32, 33, 34, 35, 36, 28, 27, 26, 25, 24, 23, 21 except (jt=lb) 22=107.

LOAD CASE(S) Standard

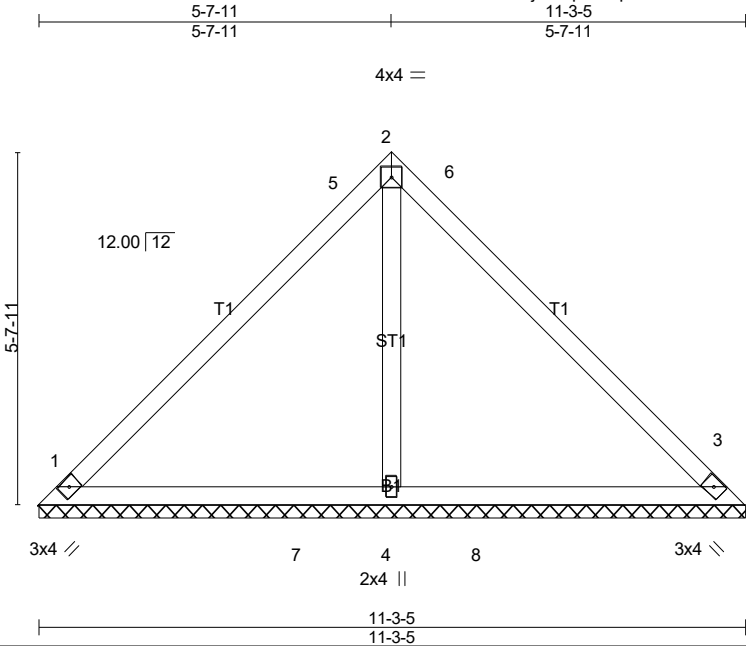


6/2/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS 228 SHELBY MEADOW LANE ANGIER, NC
25-4772-R01	V01	Valley	1	1	
Job Reference (optional)					# 59842

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LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.37	Vert(LL)	n/a	MT20		244/190	
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.52	Vert(CT)	n/a				
TCDL	10.0	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.00				
BCLL	0.0 *	Code IRC2021/TPI2014		Matrix-SH							
BCDL	10.0										
Weight: 47 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. (lb/size) 1=229/11-3-5 (min. 0-1-8), 3=229/11-3-5 (min. 0-1-8), 4=387/11-3-5 (min. 0-1-8)
Max Horz 1=-103(LC 8)
Max Uplift 1=-28(LC 13), 3=-28(LC 13), 4=-11(LC 12)
Max Grav 1=229(LC 1), 3=229(LC 1), 4=485(LC 19)

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

- NOTES-** (8)
- Unbalanced roof live loads have been considered for this design.
 - 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 5-1-13, Exterior(2R) 5-1-13 to 6-1-8, Exterior(2E) 6-1-8 to 10-11-2 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); 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
 - Gable requires continuous bottom chord bearing.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 4.

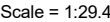
LOAD CASE(S) Standard



6/2/2025

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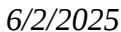
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Weight: 35 lb FT = 20%

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

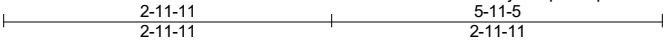
LOAD CASE(S) Standard



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Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS 228 SHELBY MEADOW LANE ANGIER, NC
25-4772-R01	V03	Valley	1	1	
					Job Reference (optional) # 59842

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Mon Jun 2 23:17:50 2025 Page 1
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3x6 =

Scale = 1:20.8

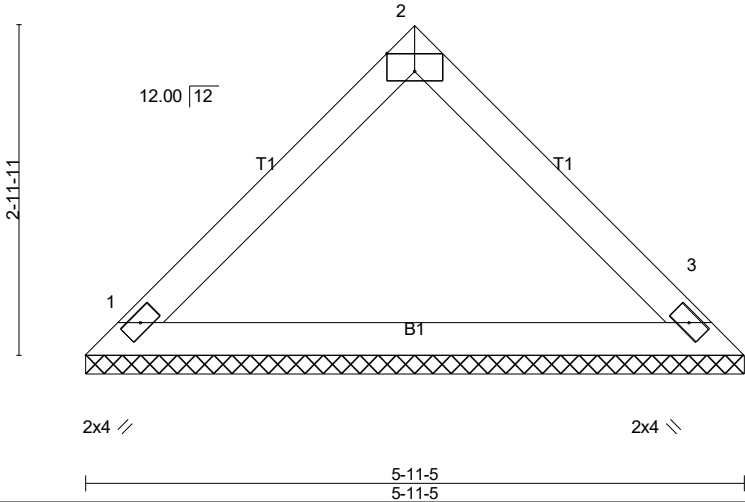


Plate Offsets (X,Y)-- [2:0-3-0,Edge]									
LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	L/d
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.14	Vert(LL)	n/a	-	n/a
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.59	Vert(CT)	n/a	-	n/a
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a
BCLL	0.0 *	Code IRC2021/TPI2014		Matrix-P					
BCDL	10.0								
									PLATES
									MT20
									GRIP
									244/190
									Weight: 20 lb
									FT = 20%

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

BRACING-
TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 5-11-5 oc purlins.
Rigid ceiling directly applied or 10-0-0 oc bracing.

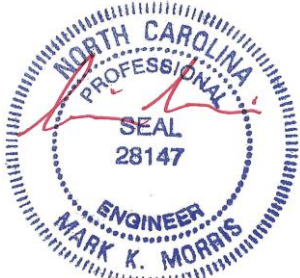
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 1=210/5-11-5 (min. 0-1-8), 3=210/5-11-5 (min. 0-1-8)
Max Horz 1=51(LC 9)
Max Uplift1=-10(LC 12), 3=-10(LC 12)

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

- NOTES-** (8)
- Unbalanced roof live loads have been considered for this design.
 - 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
 - TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); 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
 - Gable requires continuous bottom chord bearing.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.

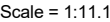
LOAD CASE(S) Standard



6/2/2025

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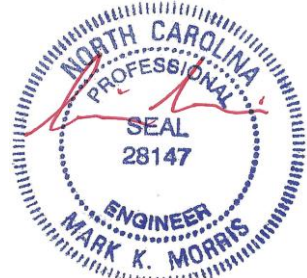
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Weight: 11 lb FT = 20%

Structural wood sheathing directly applied or 3-3-5 oc purlins.
Rigid ceiling directly applied or 10-0-0 oc bracing.

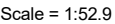
LOAD CASE(S) Standard



6/2/2025

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Weight: 79 lb FT = 20%

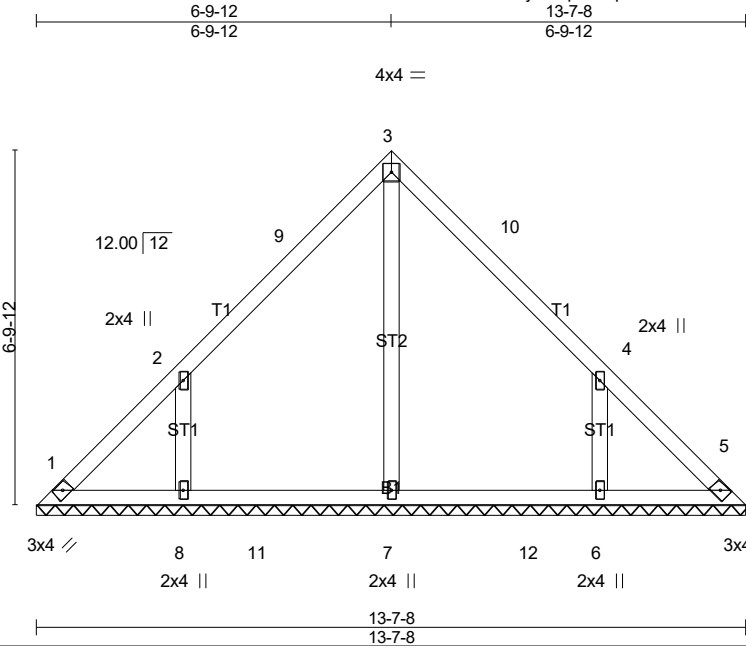
Structural wood sheathing directly applied or 6-0-0 oc purlins.
Rigid ceiling directly applied or 10-0-0 oc bracing.

A circular professional engineer seal for the State of North Carolina. The outer ring contains the text "NORTH CAROLINA" at the top and "ENGINEER" at the bottom. Inside the ring, the word "PROFESSIONAL" is at the top and "MARK K. MORRIS" is at the bottom. In the center, the word "SEAL" is above the license number "28147". A red ink signature is written across the seal.

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS 228 SHELBY MEADOW LANE ANGIER, NC
25-4772-R01	V06	Valley	1	1	
Job Reference (optional)					# 59842

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Scale = 1:44.2

LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.18	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf) 20.0	Plate Grip DOL 1.15	BC 0.37	Vert(CT)	n/a	-	n/a	999		
TCDL 10.0	Lumber DOL 1.15	WB 0.11	Horz(CT)	0.00	5	n/a	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-S							
BCDL 10.0	Code IRC2021/TPI2014							Weight: 63 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.

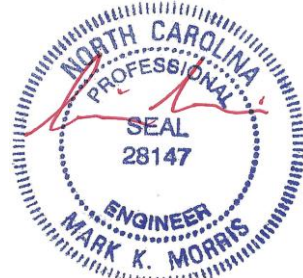
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 13-7-8.
(lb) - Max Horz 1=-126(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 8=-166(LC 12), 6=-166(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=399(LC 22), 8=370(LC 19), 6=369(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-8=-260/200, 4-6=-260/200

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) 0-4-4 to 5-1-13, Exterior(2R) 5-1-13 to 8-5-11, Exterior(2E) 8-5-11 to 13-3-4 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=1.15 Plate DOL=1.15); 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, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 8=166, 6=166.

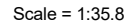
LOAD CASE(S) Standard



6/2/2025

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Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Mon Jun 2 23:17:51 2025 Page 1
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Weight: 45 lb FT = 20%

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

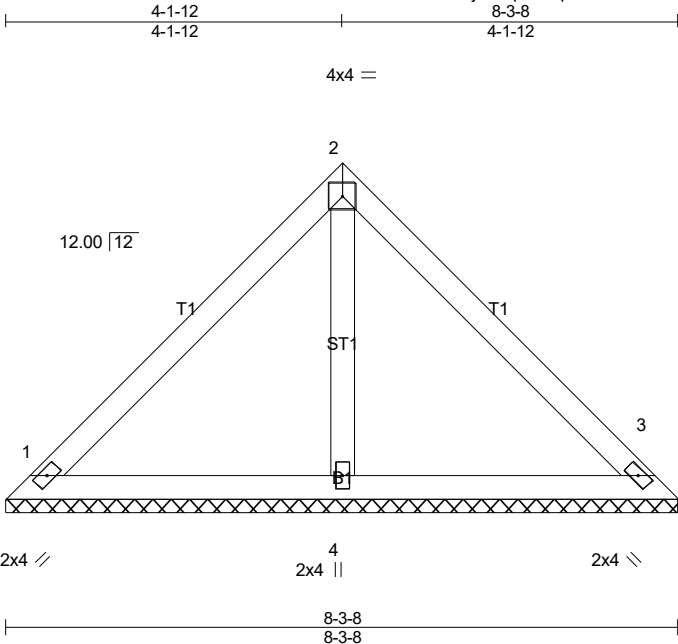
LOAD CASE(S) Standard



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Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS 228 SHELBY MEADOW LANE ANGIER, NC
25-4772-R01	V08	Valley	1	1	
					Job Reference (optional) # 59842

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Scale = 1:28.4

LOADING (psf)		SPACING-		2-0-0		CSI.		DEFL.				PLATES		GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	n/a	(loc)	-	l/defl	L/d	MT20	244/190		
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.25	Vert(CT)	n/a		-	n/a	999				
TCDL	10.0	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	3		n/a	n/a				
BCLL	0.0 *	Code IRC2021/TPI2014		Matrix-P								Weight: 34 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=183/8-3-8 (min. 0-1-8), 3=183/8-3-8 (min. 0-1-8), 4=242/8-3-8 (min. 0-1-8)
Max Horz 1=-74(LC 8)
Max Uplift1=-34(LC 13), 3=-34(LC 13)

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

- NOTES-** (8)
- Unbalanced roof live loads have been considered for this design.
 - 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
 - TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); 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
 - Gable requires continuous bottom chord bearing.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.

LOAD CASE(S) Standard



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Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS 228 SHELBY MEADOW LANE ANGIER, NC
25-4772-R01	V09	Valley	1	1	
					Job Reference (optional) # 59842

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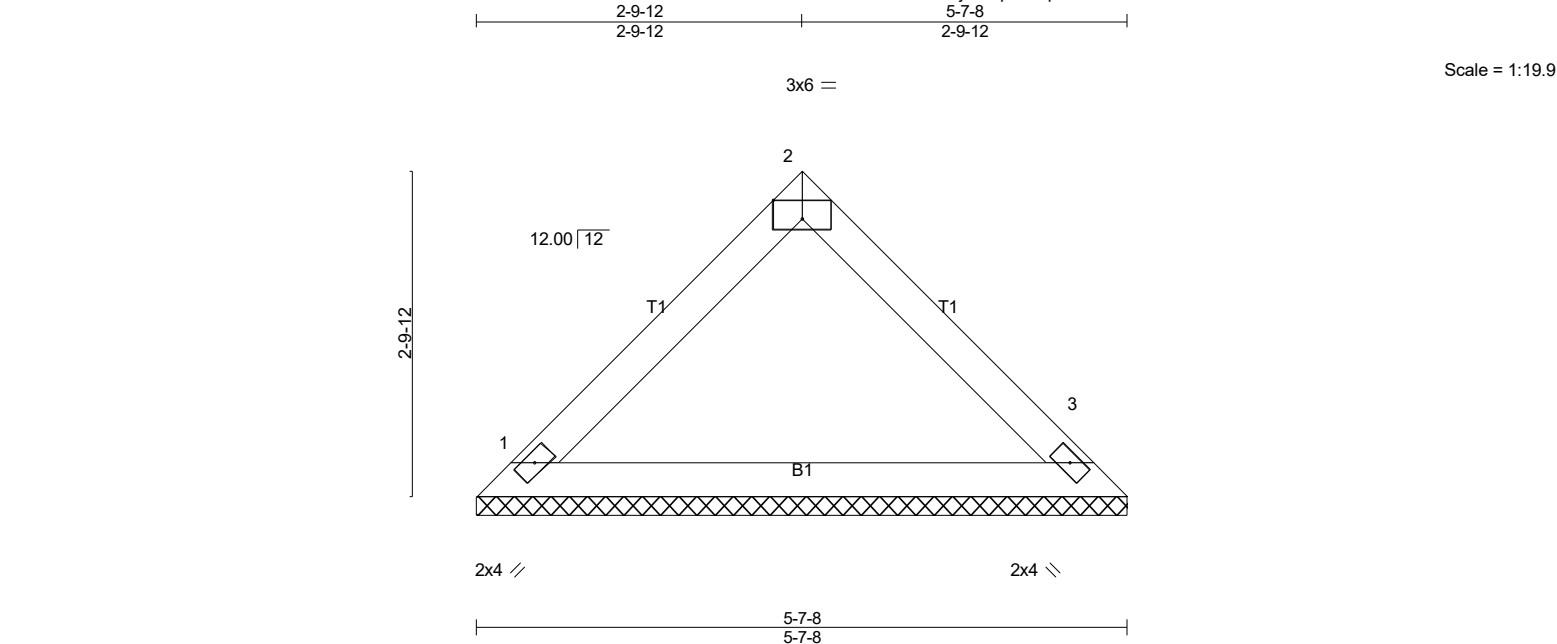


Plate Offsets (X,Y)-- [2:0-3-0,Edge]									
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.12	in (loc)	l/defl	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.52	Vert(LL)	n/a		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Vert(CT)	n/a		
BCLL	0.0 *	Code IRC2021/TPI2014		Matrix-P		Horz(CT)	0.00		
BCDL	10.0							Weight: 19 lb	FT = 20%

LUMBER-			BRACING-		
TOP CHORD	2x4 SP No.2		TOP CHORD		Structural wood sheathing directly applied or 5-7-8 oc purlins. 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.
BOT CHORD	2x4 SP No.3		BOT CHORD		

REACTIONS. (lb/size) 1=197/5-7-8 (min. 0-1-8), 3=197/5-7-8 (min. 0-1-8)
Max Horz 1=48(LC 9)
Max Uplift1=-10(LC 13), 3=-10(LC 12)

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

- NOTES-** (8)
- Unbalanced roof live loads have been considered for this design.
 - 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
 - TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); 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
 - Gable requires continuous bottom chord bearing.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.

LOAD CASE(S) Standard



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Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS 228 SHELBY MEADOW LANE ANGIER, NC
25-4772-R01	V10	Valley	1	1	
Job Reference (optional)					# 59842

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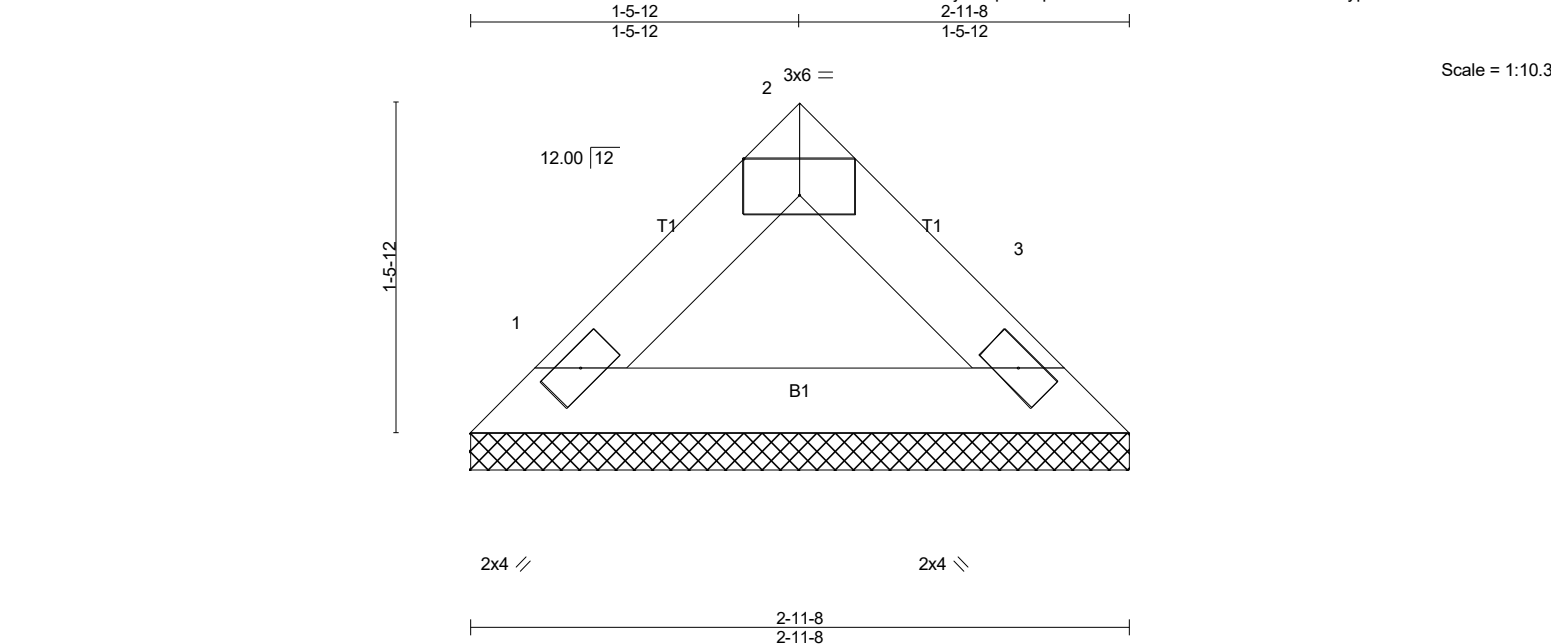


Plate Offsets (X,Y)-- [2:0-3-0,Edge]									
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.02	in (loc)	l/defl	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.10	n/a	n/a		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	n/a	n/a		
BCLL	0.0 *	Code IRC2021/TPI2014		Matrix-P		0.00	3		
BCDL	10.0							Weight: 9 lb	FT = 20%

LUMBER-		BRACING-		Structural wood sheathing directly applied or 2-11-8 oc purlins. 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.
TOP CHORD	2x4 SP No.2	TOP CHORD		
BOT CHORD	2x4 SP No.3	BOT CHORD		

REACTIONS. (lb/size) 1=90/2-11-8 (min. 0-1-8), 3=90/2-11-8 (min. 0-1-8)
Max Horz 1=-22(LC 8)
Max Uplift1=-4(LC 13), 3=-4(LC 12)

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

- NOTES- (8)
- Unbalanced roof live loads have been considered for this design.
 - 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
 - TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); 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
 - Gable requires continuous bottom chord bearing.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.

LOAD CASE(S) Standard

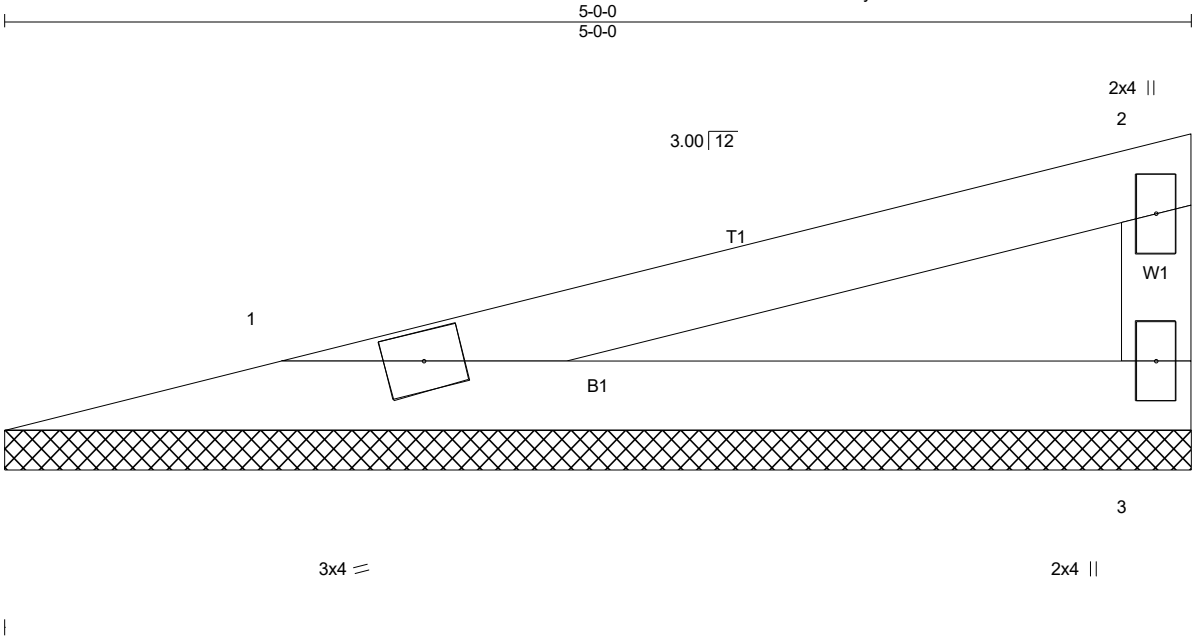


6/2/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS 228 SHELBY MEADOW LANE ANGIER, NC
25-4772-R01	V11	Valley	1	1	
					Job Reference (optional) # 59842

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Mon Jun 2 23:17:52 2025 Page 1
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Scale = 1:9.7

LOADING (psf)	SPACING-	CS.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.33	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf) 20.0	Plate Grip DOL 1.15	BC 0.27	Vert(CT)	n/a	-	n/a	999		
TCDL 10.0	Lumber DOL 1.15	WB 0.00	Horz(CT)	0.00		n/a	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-P							
BCDL 10.0	Code IRC2021/TPI2014							Weight: 14 lb	FT = 20%

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

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

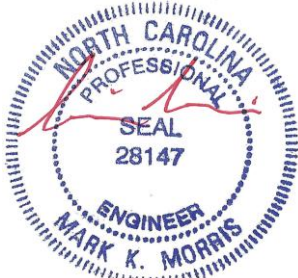
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 1=147/5-0-0 (min. 0-1-8), 3=147/5-0-0 (min. 0-1-8)
Max Horz 1=28(LC 10)
Max Uplift1=-16(LC 10), 3=-23(LC 10)
Max Grav 1=184(LC 20), 3=184(LC 20)

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

NOTES- (8)
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=1.15 Plate DOL=1.15); 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) 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 100 lb uplift at joint(s) 1, 3.

LOAD CASE(S) Standard



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