

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 #: 57144
JOB: 25-1795-R01
JOB NAME: LOT 0.0013 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.
21 Truss Design(s)

Trusses:

GR01, GR02, PB01, PB02, PB03, PB03A, PB04, R01, R02, R03, R05, R06, R07, R08, R09, R10, R11, R12, R14, SP01, SP02



2/25/2025

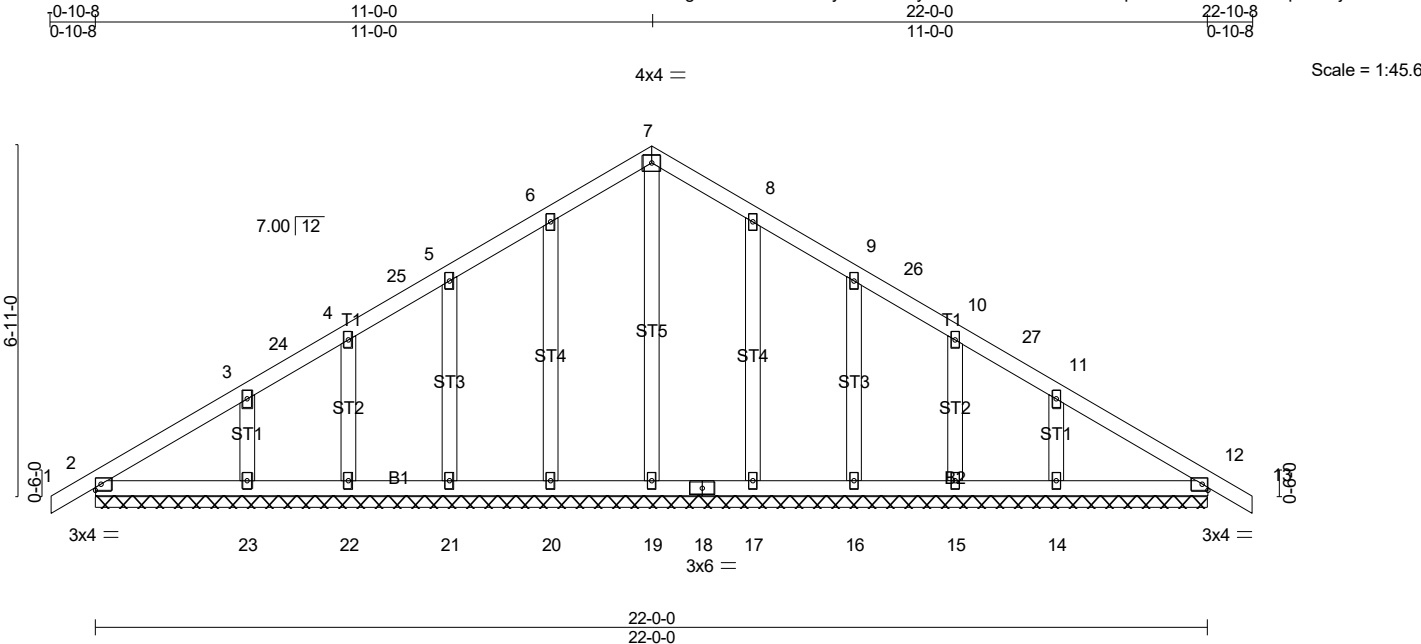
Mark Morris

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

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 HONEYCUTT HILLS 311 SHELBY MEADOW LANE ANGIER, NC
25-1795-R01	GR01	Common Supported Gable	1	1	
Job Reference (optional)					# 57144

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Wed Feb 26 15:01:01 2025 Page 1
ID:gUCksxzC6J7HT2yGkHFINYyiOvf-oSNUNLZU5K0IY09pP5WGAJE6YM1CepfVTOjw2AzhF80



LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.09	Vert(LL)	0.00 12 n/r 180	MT20		244/190	
Snow (PF)	20.0	Lumber DOL	1.15	BC	0.10	Vert(CT)	0.00 13 n/r 80				
TCDL	10.0	Rep Stress Incr	YES	WB	0.12	Horz(CT)	0.00 12 n/a n/a				
BCLL	0.0 *	Code IRC2021/TPI2014		Matrix-SH							
BCDL	10.0										
										Weight: 125 lb	FT = 20%

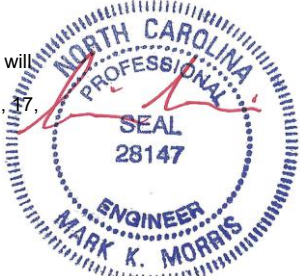
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.3
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6'-0" oc purlins.
BOT CHORD Rigid ceiling directly applied or 10'-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 22-0-0.
(lb) - Max Horz 2=-135(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 2, 20, 21, 22, 23, 17, 16, 15, 14
Max Grav All reactions 250 lb or less at joint(s) 2, 19, 21, 22, 23, 16, 15, 14, 12 except 20=302(LC 5), 17=302(LC 6)

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

- NOTES-** (13-16)
- 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; Gable Roof; Common Truss; 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
 - 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - 4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 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) Unbalanced snow loads have been considered for this design.
 - 6) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 7) All plates are 2x4 MT20 unless otherwise indicated.
 - 8) Gable requires continuous bottom chord bearing.
 - 9) Gable studs spaced at 2'-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" tall by 1'-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, 20, 21, 22, 23, 17, 16, 15, 14.



Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 HONEYCUTT HILLS 311 SHELBY MEADOW LANE ANGIER, NC
25-1795-R01	GR01	Common Supported Gable	1	1	Job Reference (optional) # 57144

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Wed Feb 26 15:01:02 2025 Page 2
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- 13) 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.
- 14) 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.
- 15) 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.
- 16) 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



2/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 HONEYCUTT HILLS 311 SHELBY MEADOW LANE ANGIER, NC
25-1795-R01	GR02	Common	6	1	
					Job Reference (optional) # 57144

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

4x6 ||

Scale = 1:44.5

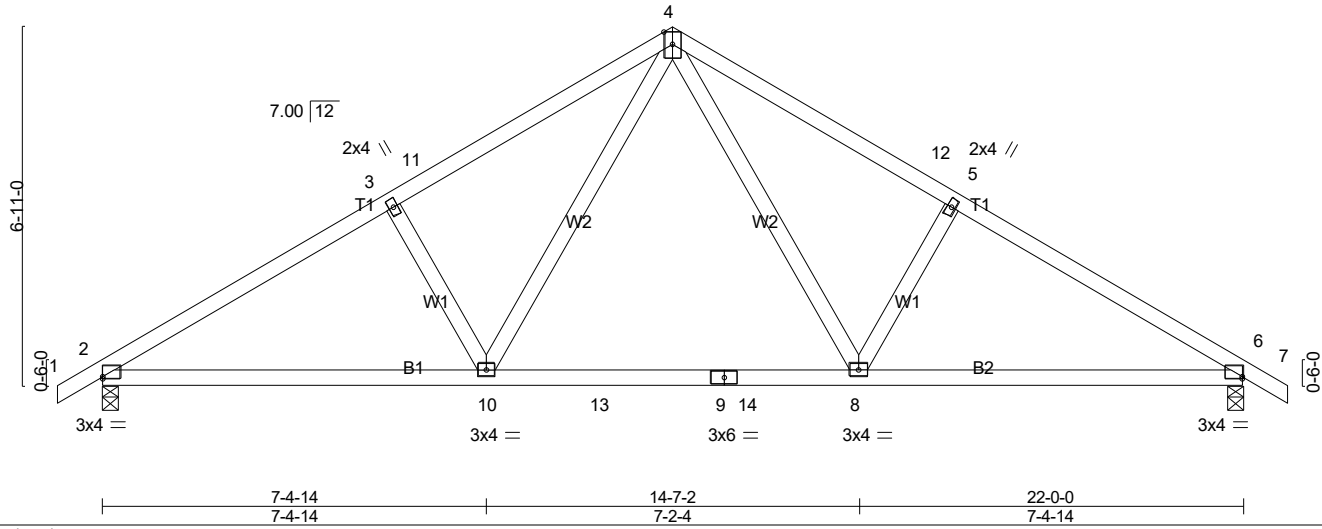
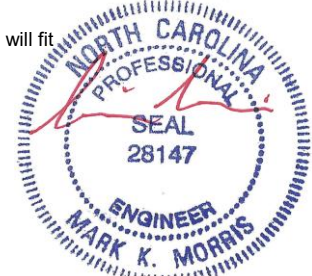


Plate Offsets (X,Y)-- [2:0-0-0,0-0-8], [6:0-0-0,0-0-8]							
LOADING (psf)		SPACING-		CSI.		DEFL.	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.56	in (loc)	l/defl
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.60	Vert(LL)	L/d
TCDL	10.0	Rep Stress Incr	YES	WB	0.22	Vert(CT)	
BCLL	0.0 *	Code IRC2021/TPI2014		Matrix-SH		Horz(CT)	
BCDL	10.0						
						PLATES	
						MT20	
						GRIP	
						244/190	
						Weight: 106 lb	
						FT = 20%	

LUMBER-		BRACING-		Structural wood sheathing directly applied or 4-5-5 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing.
TOP CHORD	2x4 SP No.2	TOP CHORD	2x4 SP No.2	
BOT CHORD	2x4 SP No.2	BOT CHORD	2x4 SP No.2	
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=930/0-3-8 (min. 0-1-8), 6=930/0-3-8 (min. 0-1-8) Max Horz 2=-135(LC 12) Max Uplift 2=-82(LC 14), 6=-82(LC 15) Max Grav 2=958(LC 21), 6=958(LC 22)
FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-1384/112, 3-11=-1244/121, 4-11=-1121/146, 4-12=-1121/146, 5-12=-1244/122, 5-6=-1384/112
BOT CHORD	2-10=-115/1159, 10-13=-2/764, 9-13=-2/764, 9-14=-2/764, 8-14=-2/764, 6-8=-24/1130
WEBS	4-8=-78/547, 5-8=-357/158, 4-10=-78/547, 3-10=-357/158

- NOTES-** (9-12)
- 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; Gable Roof; Common Truss; 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
 - 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, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6.



Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 HONEYCUTT HILLS 311 SHELBY MEADOW LANE ANGIER, NC
25-1795-R01	GR02	Common	6	1	Job Reference (optional) # 57144

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Wed Feb 26 15:01:02 2025 Page 2
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- 9) 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.
- 10) 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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- 12) 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.

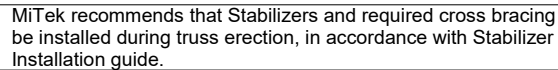
LOAD CASE(S) Standard



2/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 HONEYCUTT HILLS 311 SHELBY MEADOW LANE ANGIER, NC
25-1795-R01	PB01	GABLE	1	1	Job Reference (optional) # 57144

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LOAD CASE(S) Standard



2/25/2025

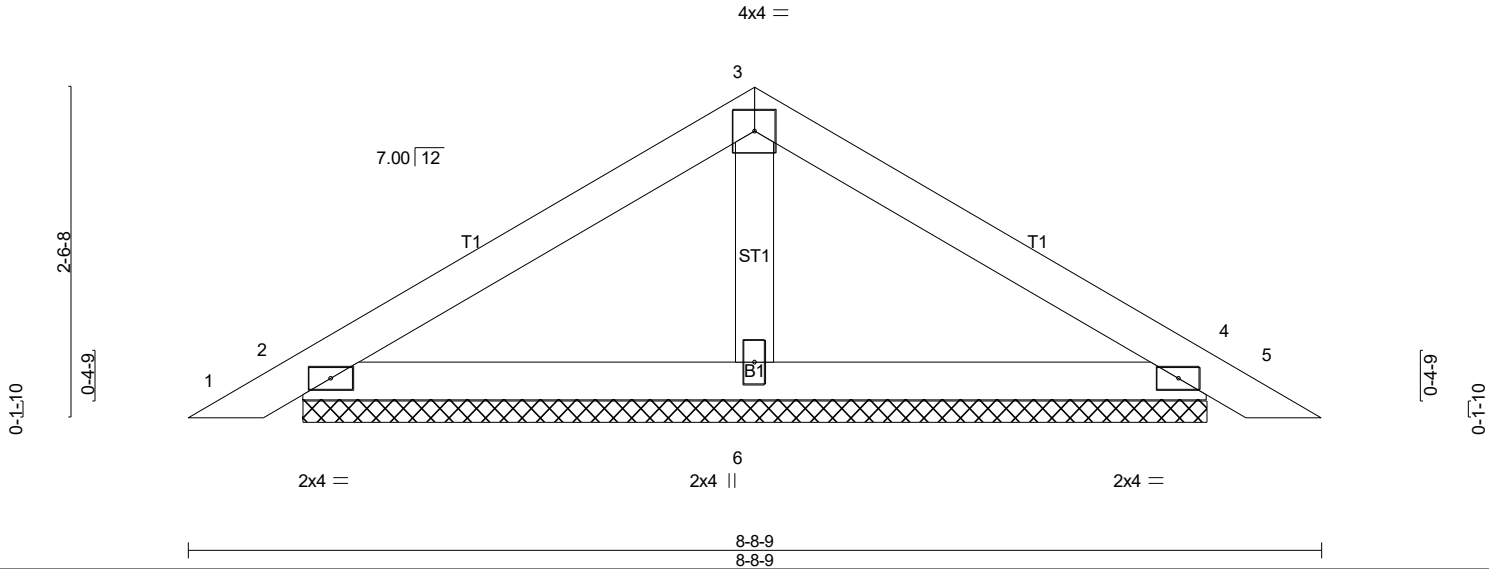
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Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 HONEYCUTT HILLS 311 SHELBY MEADOW LANE ANGIER, NC
25-1795-R01	PB02	Piggyback	5	1	
Job Reference (optional)					# 57144

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4-4-5
4-4-5
8-8-9
4-4-5

Scale = 1:17.7



LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.33	Vert(LL) 0.01	5	n/r	180		MT20	244/190
Snow (PF) 20.0	Plate Grip DOL 1.15	BC 0.21	Vert(CT) 0.01	5	n/r	80			
TCDL 10.0	Lumber DOL 1.15	WB 0.04	Horz(CT) 0.00	4	n/a	n/a			
BCLL 0.0 *	Rep Stress Incr YES	Matrix-P							
BCDL 10.0	Code IRC2021/TPI2014								
Weight: 28 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.

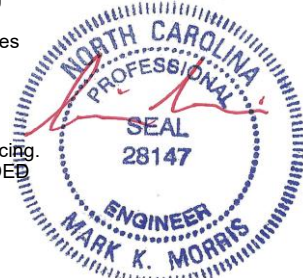
REACTIONS. (lb/size) 2=184/6-11-6 (min. 0-1-8), 4=184/6-11-6 (min. 0-1-8), 6=260/6-11-6 (min. 0-1-8)
Max Horz 2=43(LC 13)
Max Uplift 2=30(LC 14), 4=35(LC 15)
Max Grav 2=262(LC 21), 4=262(LC 22), 6=267(LC 21)

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

NOTES- (11-14)

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; Gable Roof; Common Truss; 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.
- 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.
- 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.
- 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.
- 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

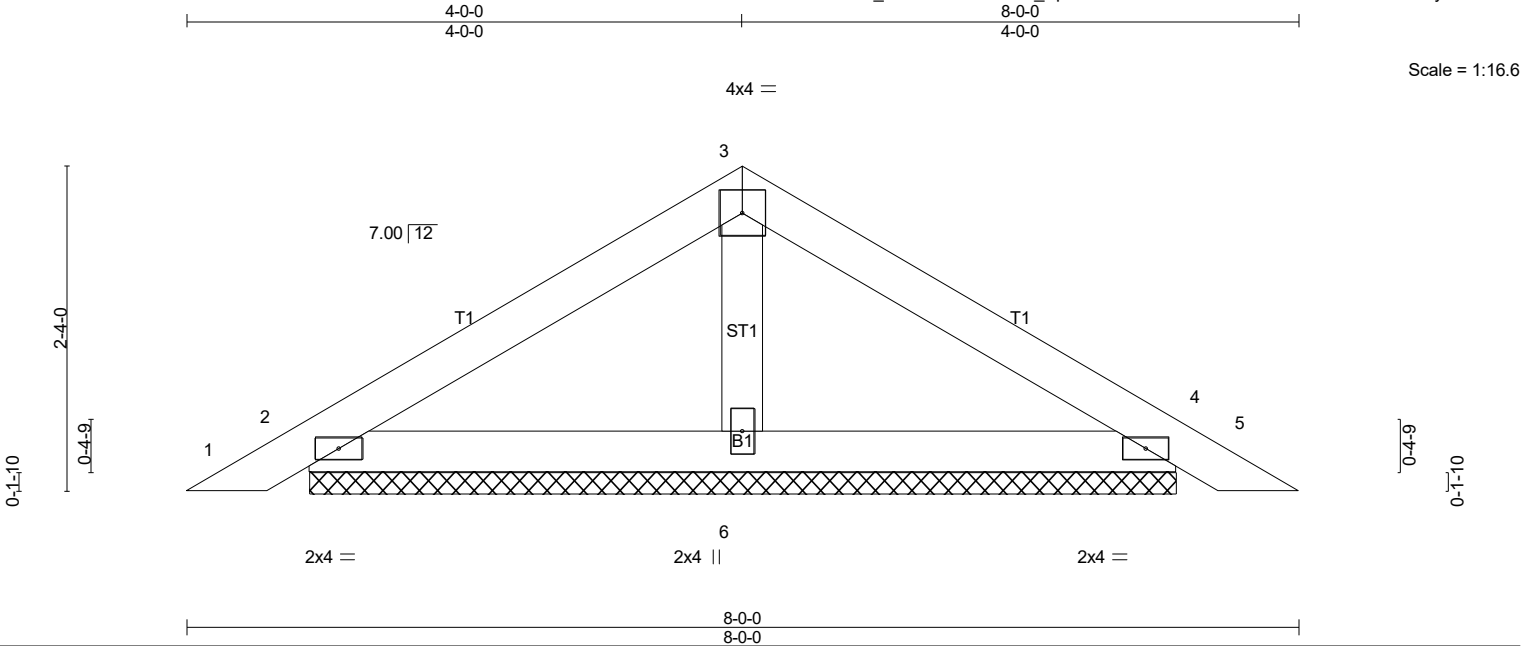


2/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 HONEYCUTT HILLS 311 SHELBY MEADOW LANE ANGIER, NC
25-1795-R01	PB03	Piggyback	9	1	
Job Reference (optional)					# 57144

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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.25	in (loc) l/defl L/d	MT20	244/190
Snow (PF) 20.0	Plate Grip DOL 1.15	BC 0.17	Vert(LL) 0.01 5 n/r 180		
TCDL 10.0	Lumber DOL 1.15	WB 0.03	Vert(CT) 0.01 5 n/r 80		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-P	Horz(CT) 0.00 4 n/a n/a		
BCDL 10.0	Code IRC2021/TPI2014			Weight: 25 lb	FT = 20%

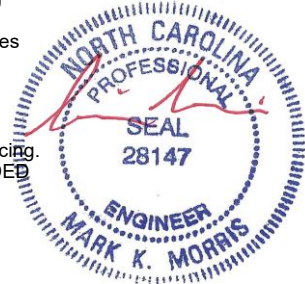
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SP No.3	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS 2x4 SP No.3	MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 2=169/6-2-13 (min. 0-1-8), 4=169/6-2-13 (min. 0-1-8), 6=232/6-2-13 (min. 0-1-8)
Max Horz 2=39(LC 13)
Max Uplift 2=28(LC 14), 4=33(LC 15)
Max Grav 2=238(LC 21), 4=238(LC 22), 6=236(LC 21)

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

- NOTES-** (11-14)
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TC DL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; Gable Roof; Common Truss; 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.
 - 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.
 - 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.
 - 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.
 - 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.

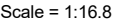
LOAD CASE(S) Standard



2/25/2025

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Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Wed Feb 26 15:01:05 2025 Page 1
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Weight: 25 lb FT = 20%

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

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 HONEYCUTT HILLS 311 SHELBY MEADOW LANE ANGIER, NC
25-1795-R01	PB03A	GABLE	1	1	Job Reference (optional) # 57144

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Wed Feb 26 15:01:06 2025 Page 2
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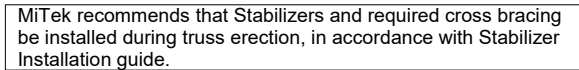
LOAD CASE(S) Standard



2/25/2025

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2/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 HONEYCUTT HILLS 311 SHELBY MEADOW LANE ANGIER, NC
25-1795-R01	PB04	GABLE	1	1	Job Reference (optional) # 57144

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LOAD CASE(S) Standard



2/25/2025

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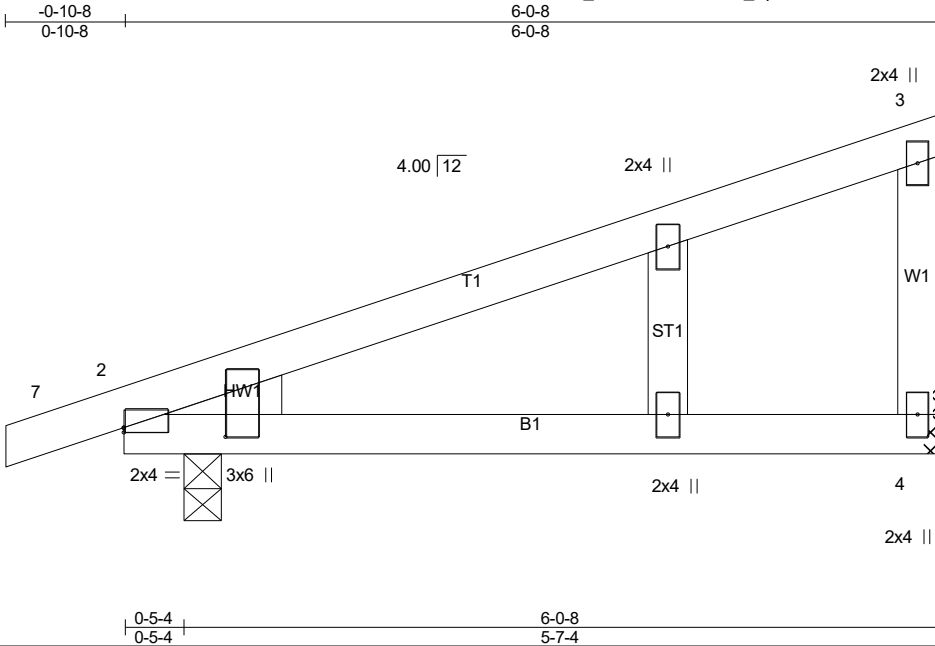


Plate Offsets (X,Y)-- [2:0-0-0,0-0-6], [2:0-0-13,0-9-1]									
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES	GRIP
TCLL (roof)	20.0	2-0-0	Plate Grip DOL	1.15	TC	0.92	in (loc)	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.73	Vert(LL)	-0.07 2-4 >977		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Vert(CT)	-0.14 2-4 >489		
BCLL	0.0 *	Code IRC2021/TPI2014		Matrix-P		Horz(CT)	0.00 n/a n/a		
BCDL	10.0							Weight: 26 lb	FT = 20%

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.3	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3		MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.
OTHERS	2x4 SP No.3		
WEDGE			
Left: 2x4 SP No.3			

REACTIONS. (lb/size) 4=225/Mechanical, 2=297/0-3-8 (min. 0-1-8)
Max Horz 2=64(LC 10)
Max Uplift 4=-33(LC 14), 2=-42(LC 10)
Max Grav 4=302(LC 21), 2=390(LC 21)

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

- NOTES-** (11-14)
- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; Gable Roof; Common Truss; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - 3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 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) Refer to girder(s) for truss to truss connections.
 - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2.
 - 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

Continued on page 2



2/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 HONEYCUTT HILLS 311 SHELBY MEADOW LANE ANGIER, NC
25-1795-R01	R01	GABLE	2	1	Job Reference (optional) # 57144

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LOAD CASE(S) Standard



2/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 HONEYCUTT HILLS 311 SHELBY MEADOW LANE ANGIER, NC
25-1795-R01	R02	Monopitch	8	1	
					Job Reference (optional) # 57144

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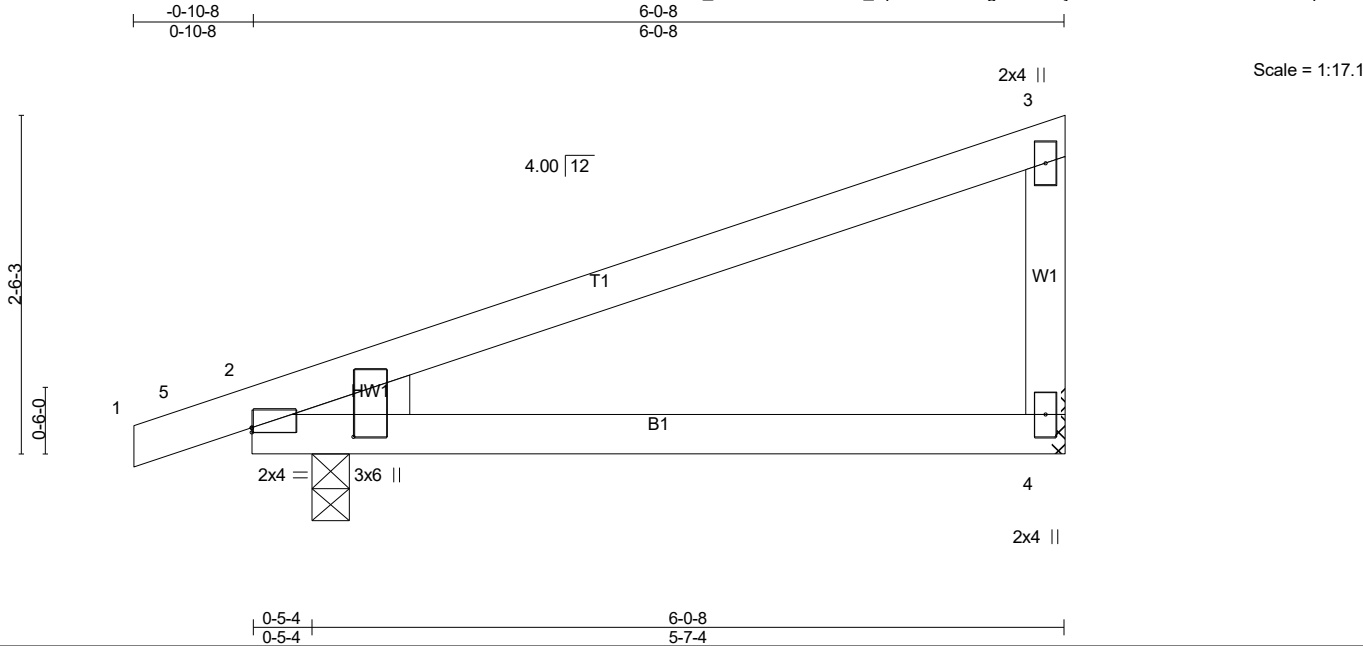


Plate Offsets (X,Y)-- [2:0-0-0,0-0-6], [2:0-0-13,0-9-1]									
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.92	in (loc)	l/defl	MT20	GRIP
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.45	Vert(LL)	-0.07 2-4 >999		244/190
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Vert(CT)	-0.13 2-4 >526		
BCLL	0.0 *	Code IRC2021/TPI2014		Matrix-P		Horz(CT)	0.00 n/a n/a		
BCDL	10.0							Weight: 24 lb	FT = 20%

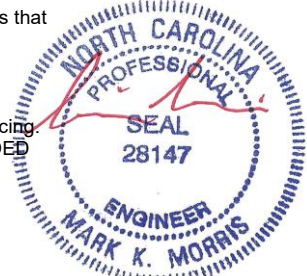
LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3		MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.
WEDGE			
Left: 2x4 SP No.3			

REACTIONS. (lb/size) 4=225/Mechanical, 2=297/0-3-8 (min. 0-1-8)
Max Horz2=64(LC 10)
Max Uplift4=-33(LC 14), 2=-42(LC 10)
Max Grav4=302(LC 21), 2=390(LC 21)

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

- NOTES-** (9-12)
- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; Gable Roof; Common Truss; 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) 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) Refer to girder(s) for truss to truss connections.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2.
 - 9) 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.
 - 10) 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.
 - 11) 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.
 - 12) 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



2/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 HONEYCUTT HILLS 311 SHELBY MEADOW LANE ANGIER, NC
25-1795-R01	R03	Piggyback Base Structural Gable COMMON Gable Gable	1	1	
Job Reference (optional)					# 57144

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0-10-8 6-4-5 6-0-13 6-0-13 4-0-0 4-0-0 6-0-13 6-0-13 6-4-5 0-10-8

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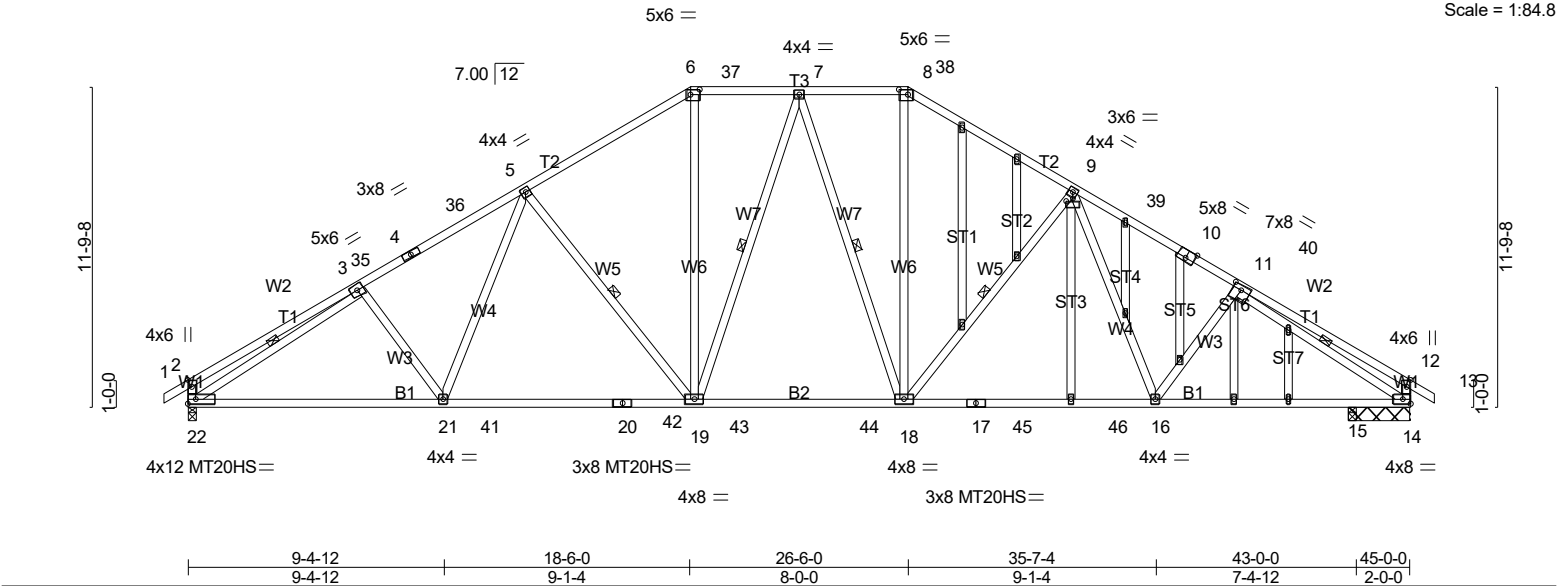


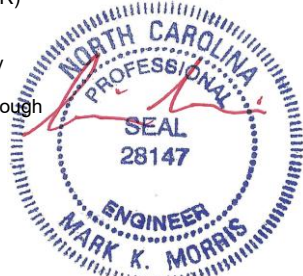
Plate Offsets (X,Y)-- [2:0-3-0,Edge], [6:0-4-0,0-2-4], [8:0-4-0,0-2-4], [9:0-3-0,0-1-4], [10:0-4-0,Edge], [11:0-4-0,0-2-0], [12:0-3-0,Edge]		9-4-12 18-6-0 26-6-0 35-7-4 43-0-0 45-0-0 9-4-12 9-1-4 8-0-0 9-1-4 7-4-12 2-0-0	
LOADING (psf)		SPACING-	
TCLL (roof)	20.0	Plate Grip DOL	1.15
Snow (Pf)	20.0	Lumber DOL	1.15
TCDL	10.0	Rep Stress Incr	YES
BCLL	0.0 *	Code IRC2021/TPI2014	
BCDL	10.0		
		CSI.	DEFL.
		TC 0.93	in (loc) l/defl L/d
		BC 0.93	Vert(LL) -0.45 19-21 >999 240
		WB 1.00	Vert(CT) -0.69 16-18 >742 180
		Matrix-SH	Horz(CT) 0.16 14 n/a n/a
			PLATES
			MT20 244/190
			MT20HS 187/143
			Weight: 355 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.1 *Except*	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
	B2: 2x4 SP SS		2-2-0 oc bracing: 16-18.
WEBS	2x4 SP No.3	WEBS	1 Row at midpt 5-19, 7-19, 7-18, 9-18, 3-22, 11-14
OTHERS	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) 22=1843/0-3-8 (min. 0-2-11), 14=1719/2-3-8 (min. 0-2-9), 15=137/0-3-8 (min. 0-1-8)
Max Horz 22=-203(LC 12)
Max Uplift 22=-84(LC 14), 14=-131(LC 15)
Max Grav 22=2256(LC 39), 14=2173(LC 49), 15=243(LC 7)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-584/123, 3-35=-3332/115, 4-35=-3320/118, 4-36=-3223/130, 5-36=-3107/146,
5-6=-2687/168, 6-37=-2206/168, 7-37=-2206/168, 7-38=-2205/169, 8-38=-2205/169,
8-9=-2686/169, 9-39=-3082/161, 10-39=-3198/145, 10-40=-3295/133, 11-40=-3307/130,
11-12=-510/167, 2-22=-497/122, 12-14=-457/144
BOT CHORD 21-22=-172/2935, 21-41=-79/2721, 41-42=-79/2721, 20-42=-79/2721, 19-20=-79/2721,
19-43=0/2213, 43-44=0/2213, 18-44=0/2213, 17-18=0/2638, 17-45=0/2638, 45-46=0/2638,
16-46=0/2638, 15-16=-49/2787, 14-15=-49/2787
WEBS 5-21=-20/429, 5-19=-832/171, 6-19=-19/973, 7-19=-286/166, 7-18=-293/158, 8-18=-19/972,
9-18=-815/181, 9-16=-36/402, 3-22=-2989/31, 11-14=-3012/2

- NOTES-** (14-17)
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; Gable Roof; Hip Truss; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 3-11-2, Interior(1) 3-11-2 to 13-8-6, Exterior(2R) 13-8-6 to 31-3-10, Interior(1) 31-3-10 to 41-0-14, Exterior(2E) 41-0-14 to 45-10-8 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - 4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 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) Unbalanced snow loads have been considered for this design.
 - 6) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 7) Provide adequate drainage to prevent water ponding.
 - 8) All plates are MT20 plates unless otherwise indicated.
 - 9) All plates are 2x4 MT20 unless otherwise indicated.
 - 10) Gable studs spaced at 2-0-0 oc.
- Continued on page 2



2/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 HONEYCUTT HILLS 311 SHELBY MEADOW LANE ANGIER, NC
25-1795-R01	R03	Piggyback Base Structural Gable COMMON Gable Gable		1	Job Reference (optional) # 57144

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Wed Feb 26 15:01:08 2025 Page 2
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NOTES- (14-17)

- 11) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 12) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 22 except (jt=lb) 14=131.
- 14) 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.
- 15) 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.
- 16) 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.
- 17) 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

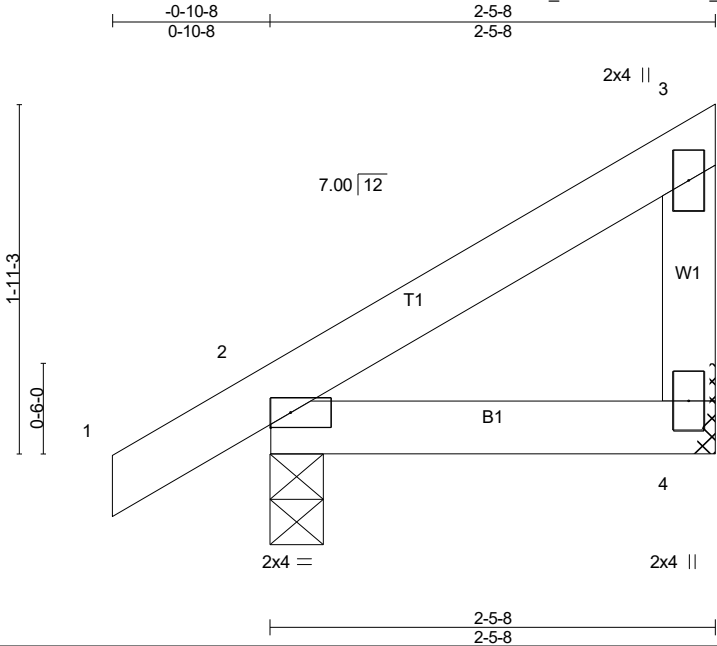


2/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 HONEYCUTT HILLS 311 SHELBY MEADOW LANE ANGIER, NC
25-1795-R01	R05	Monopitch	9	1	
Job Reference (optional)					# 57144

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LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.12	Vert(LL)	-0.00	2-4	>999	240	MT20	244/190
Snow (Pf) 20.0	Plate Grip DOL 1.15	BC 0.05	Vert(CT)	-0.00	2-4	>999	180		
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: 12 lb	FT = 20%

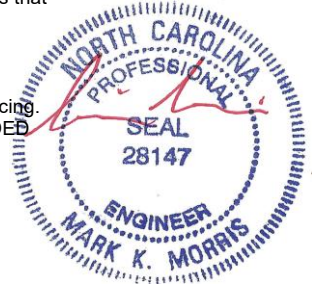
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 2-5-8 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 4=72/Mechanical, 2=162/0-3-8 (min. 0-1-8)
Max Horz 2=51(LC 14)
Max Uplift 4=-20(LC 14), 2=-12(LC 14)
Max Grav 4=97(LC 21), 2=230(LC 21)

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

- NOTES-** (9-12)
- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TC DL=5.0psf; BC DL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; Gable Roof; Common Truss; 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) 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) Refer to girder(s) for truss to truss connections.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2.
 - 9) 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.
 - 10) 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.
 - 11) 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.
 - 12) 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

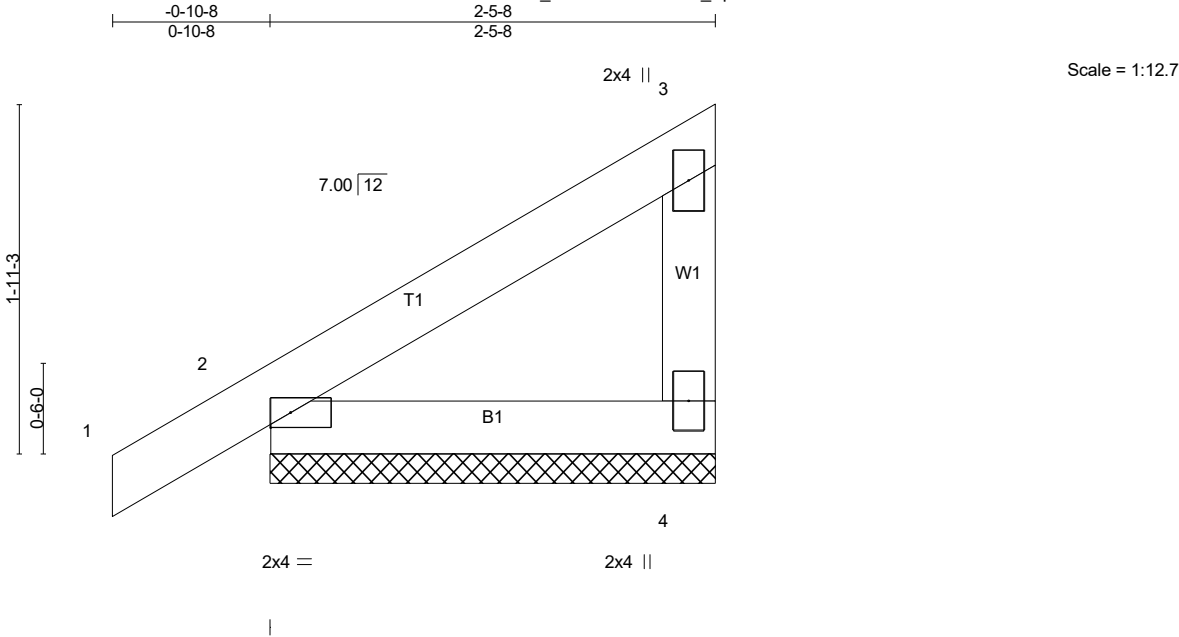


2/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 HONEYCUTT HILLS 311 SHELBY MEADOW LANE ANGIER, NC
25-1795-R01	R06	Monopitch Supported Gable	1	1	
				Job Reference (optional)	# 57144

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LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.10	Vert(LL)	-0.00	1	n/r	180	MT20	244/190
Snow (Pf) 20.0	Plate Grip DOL 1.15	BC 0.10	Vert(CT)	0.00	1	n/r	80		
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: 12 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 2-5-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

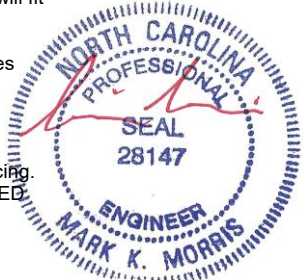
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 4=83/2-5-8 (min. 0-1-8), 2=155/2-5-8 (min. 0-1-8)
Max Horz2=51(LC 14)
Max Uplift4=-21(LC 14), 2=-10(LC 14)
Max Grav4=111(LC 21), 2=219(LC 21)

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

- NOTES-** (11-14)
- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TC DL=5.0psf; BC DL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; Gable Roof; Common Truss; MWFRS (envelope) gable end zone and C-C Corner(3E) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - 3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 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 requires continuous bottom chord bearing.
 - 7) Gable studs spaced at 2-0-0 oc.
 - 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 9) * This truss has been designed for a live load of 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.
 - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2.
 - 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



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Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 HONEYCUTT HILLS 311 SHELBY MEADOW LANE ANGIER, NC
25-1795-R01	R07	GABLE	1	1	
Job Reference (optional)					# 57144

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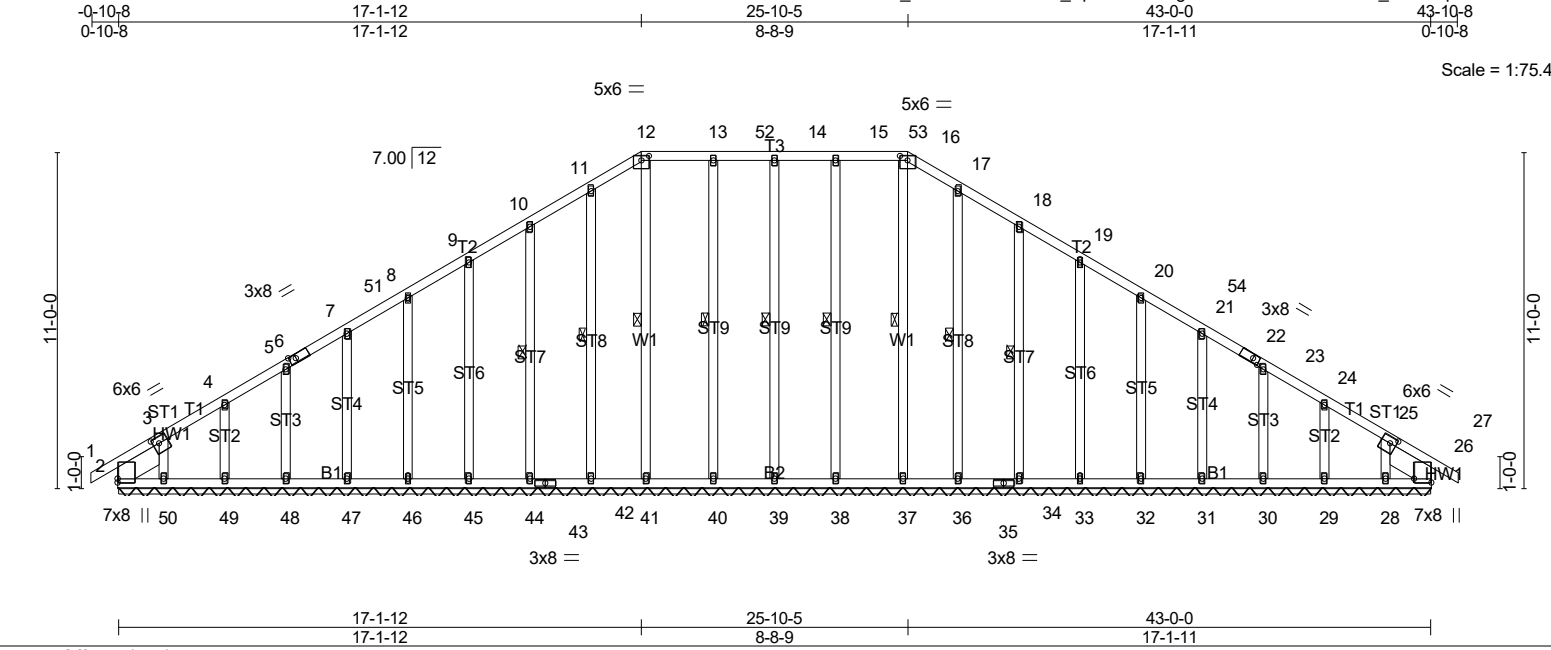


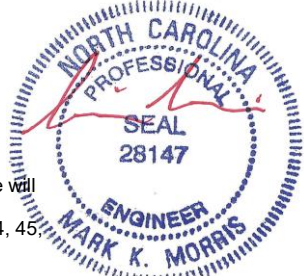
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LOADING (psf)		SPACING-	2-0-0
TCLL (roof)	20.0	Plate Grip DOL	1.15
Snow (Pf)	20.0	Lumber DOL	1.15
TCDL	10.0	Rep Stress Incr	YES
BCLL	0.0 *	Code IRC2021/TPI2014	
BCDL	10.0		
		CSI.	
		BC	0.10
		TC	0.11
		WB	0.22
		Matrix-SH	
		DEFL.	
		Vert(LL)	-0.00 26 n/r 180
		Vert(CT)	-0.00 26 n/r 80
		Horz(CT)	0.01 26 n/a n/a
		PLATES	MT20
		GRIP	244/190
		Weight:	356 lb FT = 20%

LUMBER-	BRACING-
TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.3
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3
SLIDER	Left 2x8 SP No.2 1-9-1, Right 2x8 SP No.2 1-9-1
	TOP CHORD
	Structural wood sheathing directly applied or 6-0-0 oc purlins.
	BOT CHORD
	Rigid ceiling directly applied or 10-0-0 oc bracing.
	WEBS
	1 Row at midpt
	14-39, 13-40, 11-42, 10-44, 15-38, 17-36,
	18-34, 12-41, 16-37

REACTIONS. All bearings 43-0-0.
(lb) - Max Horz 2=-191(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 39, 40, 42, 44, 45, 46, 47, 48, 49, 38, 36, 34, 33, 32, 31, 30, 29, 28, 26, 41 except 50=-108(LC 14)
Max Grav All reactions 250 lb or less at joint(s) 2, 48, 49, 50, 30, 29, 28, 26 except 39=279(LC 44), 40=339(LC 44), 42=298(LC 47), 44=323(LC 47), 45=317(LC 47), 46=315(LC 47), 47=327(LC 47), 38=339(LC 44), 36=296(LC 49), 34=324(LC 49), 33=316(LC 49), 32=315(LC 49), 31=327(LC 49), 41=273(LC 52), 37=264(LC 52)

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

- NOTES-** (14-17)
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; Gable Roof; Common Truss; MWFRS (envelope) gable end zone and C-C Corner(3E) -0-10-8 to 3-11-2, Exterior(2N) 3-11-2 to 12-4-2, Corner(3R) 12-4-2 to 30-7-14, Exterior(2N) 30-7-14 to 39-0-14, Corner(3E) 39-0-14 to 43-10-8 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.
 - 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.
 - Provide adequate drainage to prevent water ponding.
 - 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, 39, 40, 42, 44, 45, 46, 47, 48, 49, 38, 36, 34, 33, 32, 31, 30, 29, 28, 26, 41 except (jt=lb) 50=108.



Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 HONEYCUTT HILLS 311 SHELBY MEADOW LANE ANGIER, NC
25-1795-R01	R07	GABLE	1	1	Job Reference (optional) # 57144

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- 14) 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.
- 15) 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.
- 16) 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.
- 17) 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.

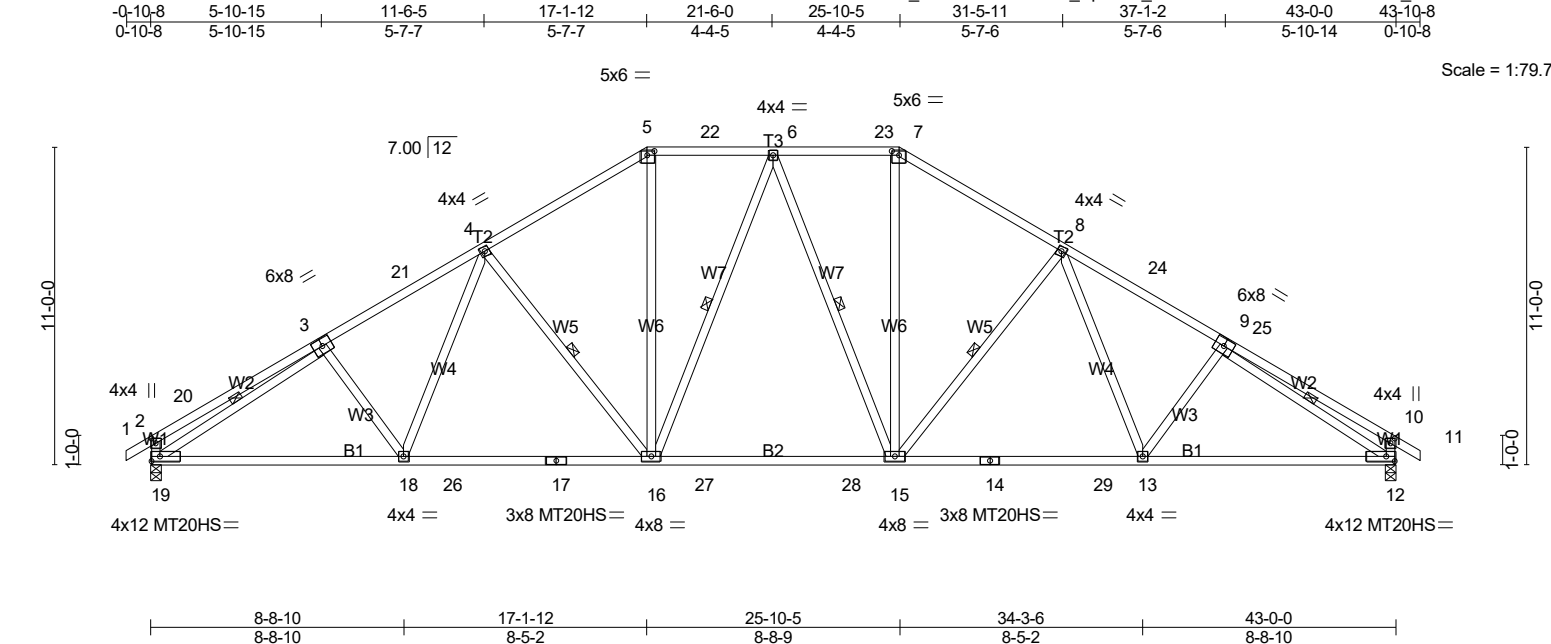
LOAD CASE(S) Standard



2/25/2025

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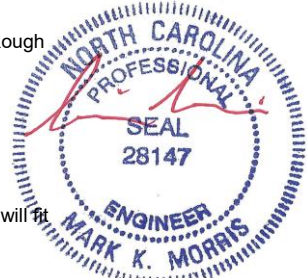
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.78	Vert(LL)	-0.32 16-18 >999 240	MT20		244/190	
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.91	Vert(CT)	-0.49 15-16 >999 180	MT20HS		187/143	
TCDL	10.0	Rep Stress Incr	YES	WB	0.86	Horz(CT)	0.15 12 n/a n/a				
BCLL	0.0 *	Code IRC2021/TPI2014		Matrix-SH							
BCDL	10.0										
								Weight: 289 lb		FT = 20%	

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.1	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3	WEBS	1 Row at midpt 4-16, 6-16, 6-15, 8-15, 3-19, 9-12
		MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.	

REACTIONS. (lb/size) 19=1770/0-3-8 (min. 0-2-9), 12=1770/0-3-8 (min. 0-2-9)
Max Horz 19=-189(LC 12)
Max Uplift 19=-76(LC 14), 12=-76(LC 15)
Max Grav 19=2172(LC 39), 12=2172(LC 39)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-20=-533/108, 3-20=-364/110, 3-21=-3135/105, 4-21=-2920/131, 4-5=-2557/153, 5-22=-2103/153, 6-22=-2103/153, 6-23=-2103/153, 7-23=-2103/153, 7-8=-2557/153, 8-24=-2920/131, 9-24=-3135/105, 9-25=-364/110, 10-25=-533/107, 2-19=-464/112, 10-12=-464/111
BOT CHORD 18-19=-154/2744, 18-26=-68/2556, 17-26=-68/2556, 16-17=-68/2556, 16-27=0/2119, 27-28=0/2119, 15-28=0/2119, 14-15=0/2501, 14-29=0/2501, 13-29=0/2501, 12-13=-26/2640
WEBS 4-18=-21/373, 4-16=-766/160, 5-16=-14/935, 6-16=-296/145, 6-15=-296/145, 7-15=-14/935, 8-15=-766/160, 8-13=-21/373, 3-19=-2827/30, 9-12=-2827/30

- NOTES-** (11-14)
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; Gable Roof; Hip Truss; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 3-11-2, Interior(1) 3-11-2 to 12-4-2, Exterior(2R) 12-4-2 to 30-7-14, Interior(1) 30-7-14 to 39-0-14, Exterior(2E) 39-0-14 to 43-10-8 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.
 - Provide adequate drainage to prevent water ponding.
 - All plates are MT20 plates 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 19, 12.



Continued on page 2

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 HONEYCUTT HILLS 311 SHELBY MEADOW LANE ANGIER, NC
25-1795-R01	R08	Piggyback Base	5	1	Job Reference (optional) # 57144

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ID:6FBInSn_A4O3imHt7ACnTtz_Vpo-VN_GTmhlkPHtYwk?BhdaQff6OEu_8dzmx8SNbzhF7s

- 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 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.

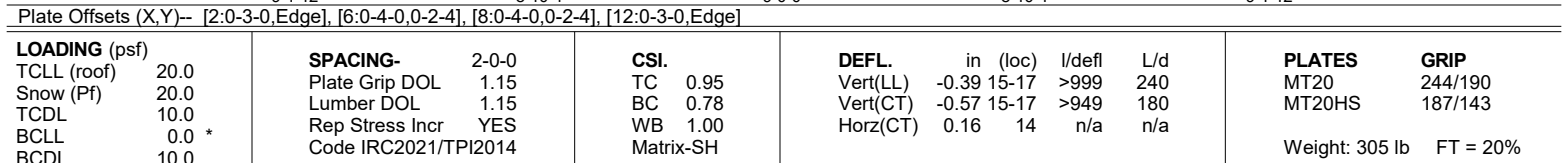
LOAD CASE(S) Standard



2/25/2025

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REACTIONS. (lb/size) 21=1850/0-3-8 (min. 0-2-11), 14=1850/0-3-8 (min. 0-2-11)
 Max Horz 21=203(LC 13)
 Max Uplift 21=-82(LC 14), 14=-82(LC 15)
 Max Grav 21=2263(LC 47), 14=2263(LC 49)

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

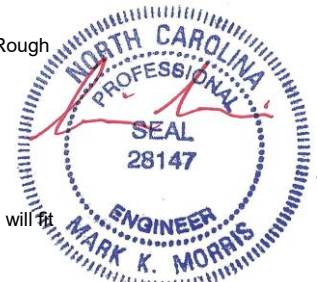
TOP CHORD 2-3=-587/124, 3-22=-3355/116, 4-22=-3343/119, 4-23=-3246/132, 5-23=-3130/147,
5-6=-2770/165, 6-24=-2221/164, 7-24=-2221/165, 7-25=-2221/165, 8-25=-2221/164,
8-9=-2770/165, 9-26=-3130/148, 10-26=-3246/132, 10-27=-3343/120, 11-27=-3355/117,
11-12=-587/124, 2-21=-498/122, 12-14=-498/122

BOT CHORD 20-21=-168/2953, 20-28=-75/2743, 28-29=-75/2743, 19-29=-75/2743, 18-19=-75/2743,
18-30/0/2230, 30-31=0/2230, 17-31=0/2230, 16-17=0/2672, 16-32=0/2672, 32-33=0/2672,
15-33=0/2672, 14-15=-31/2828

WEBS 5-20=-30/400, 5-18=-811/176, 6-18=-17/1015, 7-18=-295/165, 7-17=-295/165,
8-17=-17/1015, 9-17=-811/176, 9-15=-30/400, 3-21=-2998/26, 11-14=-2998/26

NOTES- (11-14)

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=15mph (3-second gust) Vasd=91mph; TCdL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; Gable Roof; Hip Truss; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 3-11-2, Interior(1) 3-11-2 to 13-8-6, Exterior(2R) 13-8-6 to 31-3-10, Interior(1) 31-3-10 to 41-0-14, Exterior(2E) 41-0-14 to 45-10-8 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) TCTL: 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) Provide adequate drainage to prevent water ponding.
- 7) All plates are MT20 plates unless otherwise indicated.
- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 9) * This truss has been designed for a live load of 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.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 21, 14.



Continued on page 2

2/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 HONEYCUTT HILLS 311 SHELBY MEADOW LANE ANGIER, NC
25-1795-R01	R09	Piggyback Base	2	1	Job Reference (optional) # 57144

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- 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



2/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 HONEYCUTT HILLS 311 SHELBY MEADOW LANE ANGIER, NC
25-1795-R01	R10	Piggyback Base	7	1	
Job Reference (optional)					# 57144

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-0-10-8 6-4-5 12-5-3 18-6-0 22-6-0 26-6-0 32-6-13 38-7-11 45-0-0 45-10-8
0-10-8 6-4-5 6-0-13 6-0-13 4-0-0 4-0-0 6-0-13 6-0-13 6-4-5 0-10-8

Scale = 1:91.7

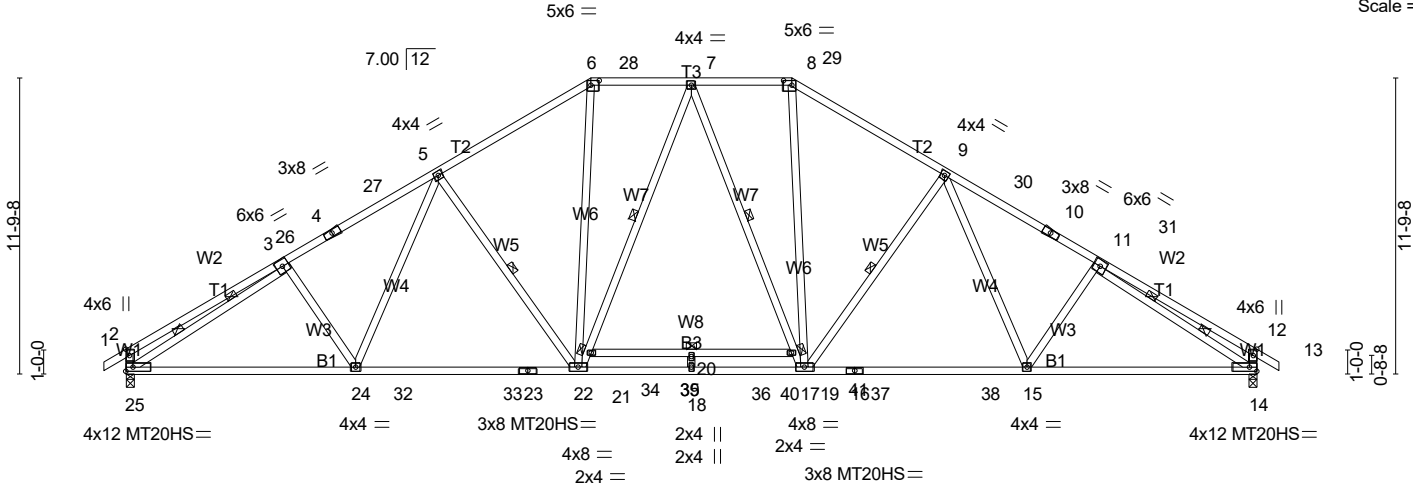


Plate Offsets (X,Y)--	[2:0-3-0,Edge], [6:0-4-0,0-2-4], [8:0-4-0,0-2-4], [12:0-3-0,Edge]
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LOADING (psf)		SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC 0.80	Vert(LL)	-0.49	20	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC 0.78	Vert(CT)	-0.78	20	>692	180	MT20HS	187/143
TCDL	10.0	Rep Stress Incr	YES	WB 0.91	Horz(CT)	0.18	14	n/a	n/a		
BCLL	0.0 *	Code IRC2021/TPI2014		Matrix-SH							
BCDL	10.0										
									Weight: 318 lb	FT = 20%	

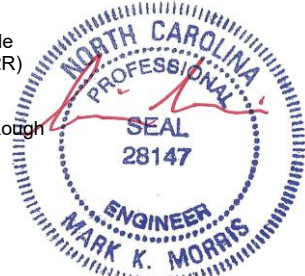
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except* T2: 2x4 SP No.1	TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1 *Except* B3: 2x4 SP No.2, B2: 2x4 SP SS	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except: 6-0-0 oc bracing: 19-21
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 5-22, 7-21, 7-19, 9-17 2 Rows at 1/3 pts 3-25, 11-14
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.	

REACTIONS. (lb/size) 25=1932/0-3-8 (min. 0-2-14), 14=1932/0-3-8 (min. 0-2-14)
Max Horz 25=-203(LC 12)
Max Uplift 25=-41(LC 14), 14=-41(LC 15)
Max Grav 25=2449(LC 47), 14=2449(LC 49)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-609/118, 3-26=-3669/46, 4-26=-3657/49, 4-27=-3561/61, 5-27=-3444/77,
5-6=-3123/87, 6-28=-2518/99, 7-28=-2517/99, 7-29=-2517/99, 8-29=-2518/99,
8-9=-3123/87, 9-30=-3444/77, 10-30=-3561/61, 10-31=-3657/49, 11-31=-3669/46,
11-12=-609/117, 2-25=-510/119, 12-14=-510/118
BOT CHORD 24-25=-110/3209, 24-32=-11/3032, 32-33=-11/3032, 23-33=-11/3032, 22-23=-11/3032,
22-34=0/2563, 34-35=0/2563, 18-35=0/2563, 18-36=0/2563, 36-41=0/2563, 17-41=0/2563,
16-17=0/2961, 16-37=0/2961, 37-38=0/2961, 15-38=0/2961, 14-15=0/3084
WEBS 5-24=-39/354, 5-22=-800/182, 6-22=0/1192, 21-22=-367/124, 7-21=-293/165,
7-19=-293/165, 17-19=-366/122, 8-17=0/1192, 9-17=-800/182, 9-15=-39/354, 3-25=-3275/0,
11-14=-3275/0

- NOTES-** (11-14)
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; Gable Roof; Hip Truss; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 3-11-2, Interior(1) 3-11-2 to 13-8-6, Exterior(2R) 13-8-6 to 31-3-10, Interior(1) 31-3-10 to 41-0-14, Exterior(2E) 41-0-14 to 45-10-8 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.
 - Provide adequate drainage to prevent water ponding.
 - All plates are MT20 plates unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

Continued on page 2



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Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 HONEYCUTT HILLS 311 SHELBY MEADOW LANE ANGIER, NC
25-1795-R01	R10	Piggyback Base	7	1	Job Reference (optional) # 57144

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- NOTES-** (11-14)
- 9) * 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.
 - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 25, 14.
 - 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 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.

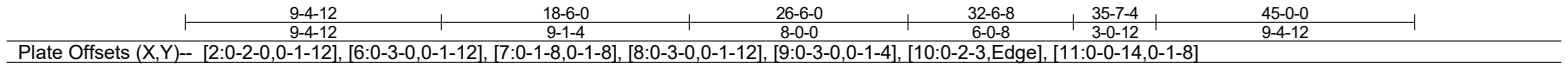
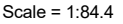
LOAD CASE(S) Standard



2/25/2025

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LUMBER-	
TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.1
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3

BRACING-	
TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 5-24, 9-19, 3-27, 7-23

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

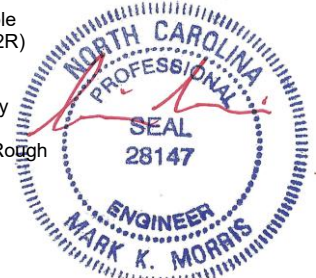
BRACING-	
TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 5-24, 9-19, 3-27, 7-23

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

NOTES- (13-16)

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDF=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; Gable Roof; Hip Truss; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 3-11-2, Interior(1) 3-11-2 to 13-8-6, Exterior(2R) 13-8-6 to 31-3-10, Interior(1) 31-3-10 to 41-0-14, Exterior(2E) 41-0-14 to 45-10-8 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 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) Unbalanced snow loads have been considered for this design.
- 6) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- 7) Provide adequate drainage to prevent water ponding.
- 8) All plates are 2x4 MT20 unless otherwise indicated.

Continued on page 2



2/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 HONEYCUTT HILLS 311 SHELBY MEADOW LANE ANGIER, NC
25-1795-R01	R11	Piggyback Base Structural Gable COMMON	1	1	Job Reference (optional) # 57144

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Wed Feb 26 15:01:14 2025 Page 2
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NOTES- (13-16)

- 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) 20, 27, 14 except (jt=lb) 19=128.
- 13) 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.
- 14) 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.
- 15) 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.
- 16) 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



2/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 HONEYCUTT HILLS 311 SHELBY MEADOW LANE ANGIER, NC
25-1795-R01	R12	Common	9	1	
Job Reference (optional)					# 57144

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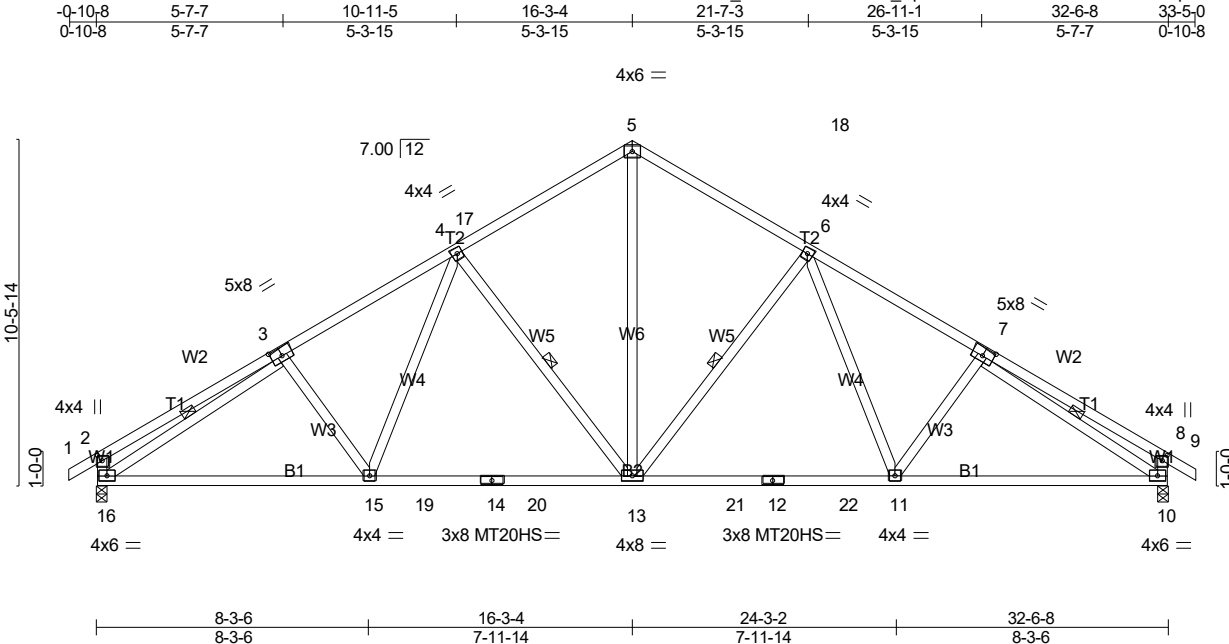


Plate Offsets (X,Y)-- [2:0-2-0,0-1-12], [3:0-4-0,0-3-0], [7:0-4-0,0-3-0], [8:0-2-0,0-1-12]		8-3-6 8-3-6		16-3-4 7-11-14		24-3-2 7-11-14		32-6-8 8-3-6	
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES	
TCLL (roof)	20.0	2-0-0		TC	0.55	in (loc)	l/defl	L/d	GRIP
Snow (Pf)	20.0	Plate Grip DOL	1.15	BC	0.91	Vert(LL)	-0.20 13-15	>999	240
TCDL	10.0	Lumber DOL	1.15	WB	0.45	Vert(CT)	-0.32 13-15	>999	180
BCLL	0.0 *	Rep Stress Incr	YES	Matrix-SH		Horz(CT)	0.08 10	n/a	n/a
BCDL	10.0	Code IRC2021/TPI2014							
								Weight: 203 lb FT = 20%	

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

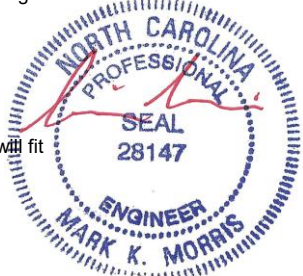
BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-0-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 6-13, 4-13, 3-16, 7-10

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

REACTIONS. (lb/size) 16=1351/0-3-8 (min. 0-1-10), 10=1351/0-3-8 (min. 0-1-10)
Max Horz 16=179(LC 13)
Max Uplift 16=-76(LC 14), 10=-76(LC 15)
Max Grav 16=1386(LC 24), 10=1386(LC 25)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-430/101, 3-4=-1835/130, 4-17=-1370/116, 5-17=-1298/140, 5-18=-1298/140, 6-18=-1370/116, 6-7=-1835/130, 7-8=-430/101, 2-16=-409/105, 8-10=-409/105
BOT CHORD 15-16=-149/1686, 15-19=-68/1496, 14-19=-68/1496, 14-20=-68/1496, 13-20=-68/1496, 13-21=0/1411, 12-21=0/1411, 12-22=0/1411, 11-22=0/1411, 10-11=-28/1552
WEBS 5-13=-63/1050, 6-13=-556/151, 6-11=-20/368, 4-13=-556/151, 4-15=-20/368, 3-16=-1591/21, 7-10=-1590/20

- NOTES-** (10-13)
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; Gable Roof; Common Truss; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 3-11-2, Interior(1) 3-11-2 to 11-5-10, Exterior(2R) 11-5-10 to 21-0-14, Interior(1) 21-0-14 to 28-7-6, Exterior(2E) 28-7-6 to 33-5-0 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
 - 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 MT20 plates 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 16, 10.



Continued on page 2

2/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 HONEYCUTT HILLS 311 SHELBY MEADOW LANE ANGIER, NC
25-1795-R01	R12	Common	9	1	Job Reference (optional) # 57144

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- 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 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



2/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 HONEYCUTT HILLS 311 SHELBY MEADOW LANE ANGIER, NC
25-1795-R01	R14	Common Supported Gable	1	1	
					Job Reference (optional) # 57144

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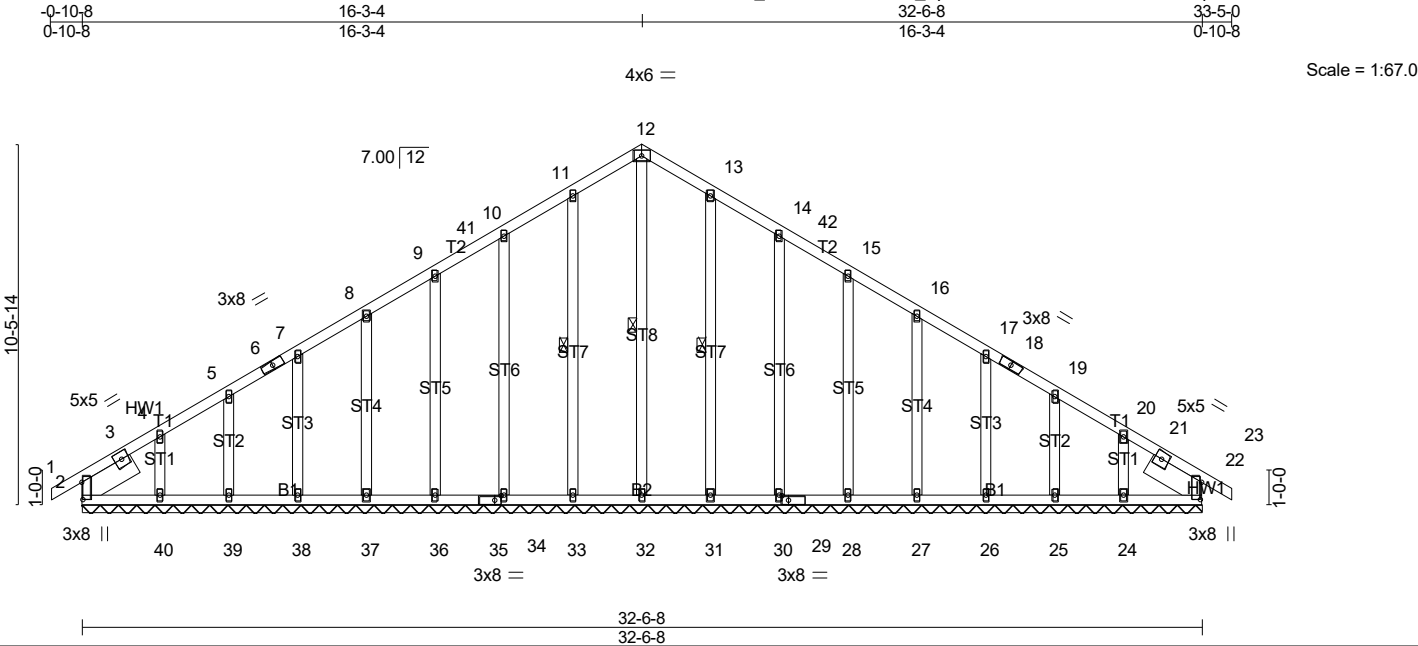


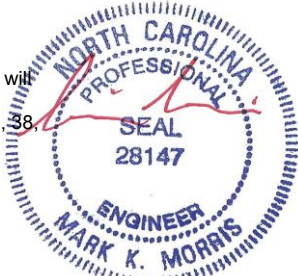
Plate Offsets (X,Y)-- [2:0-5-15,0-0-6], [22:0-5-15,0-0-6], [29:0-2-4,0-1-8], [35:0-2-4,0-1-8]						
LOADING (psf)		SPACING-	CSI.	DEFL.		PLATES
TCLL (roof)	20.0	2-0-0	TC 0.09	in (loc)	l/defl	L/d
Snow (Pf)	20.0	Plate Grip DOL 1.15	BC 0.10	Vert(LL)	-0.00	22 n/r 180
TCDL	10.0	Lumber DOL 1.15	WB 0.21	Vert(CT)	-0.00	22 n/r 80
BCLL	0.0 *	Rep Stress Incr YES	Matrix-SH	Horz(CT)	0.01	22 n/a n/a
BCDL	10.0	Code IRC2021/TPI2014				
						Weight: 244 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	WEBS	1 Row at midpt 12-32, 11-33, 13-31
SLIDER	Left 2x8 SP No.2 1-9-8, Right 2x8 SP No.2 1-9-8		

REACTIONS. All bearings 32-6-8.
(lb) - Max Horz 2=-182(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 33, 34, 36, 37, 38, 39, 40, 31, 30, 28, 27, 26, 25, 24, 22
Max Grav All reactions 250 lb or less at joint(s) 2, 36, 38, 39, 40, 28, 26, 25, 24, 22 except 32=268(LC 27),
33=296(LC 5), 34=262(LC 5), 37=256(LC 24), 31=296(LC 6), 30=262(LC 6), 27=256(LC 25)

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

- NOTES-** (13-16)
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; Gable Roof; Common Truss; MWFRS (envelope) gable end zone and C-C Corner(3E) -0-10-8 to 3-11-2, Exterior(2N) 3-11-2 to 11-5-10, Corner(3R) 11-5-10 to 21-0-14, Exterior(2N) 21-0-14 to 28-7-6, Corner(3E) 28-7-6 to 33-5-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - 4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 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) Unbalanced snow loads have been considered for this design.
 - 6) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 7) All plates are 2x4 MT20 unless otherwise indicated.
 - 8) Gable requires continuous bottom chord bearing.
 - 9) 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, 33, 34, 36, 37, 38, 39, 40, 31, 30, 28, 27, 26, 25, 24, 22.

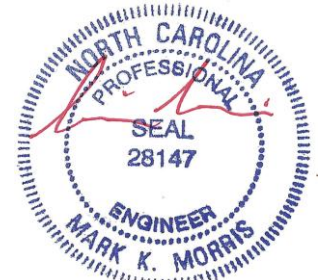


Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 HONEYCUTT HILLS 311 SHELBY MEADOW LANE ANGIER, NC
25-1795-R01	R14	Common Supported Gable	1	1	Job Reference (optional) # 57144

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- 13) 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.
- 14) 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.
- 15) 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.
- 16) 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

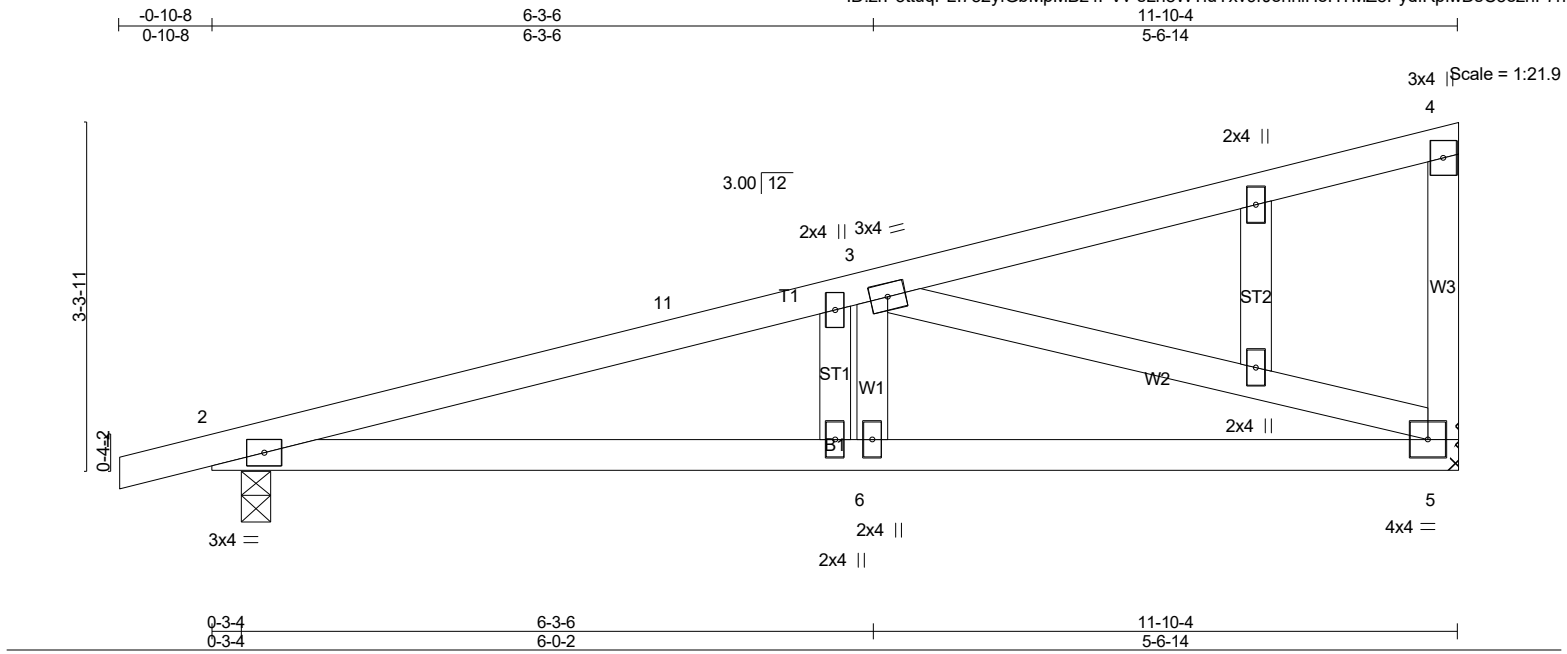


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Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 HONEYCUTT HILLS 311 SHELBY MEADOW LANE ANGIER, NC
25-1795-R01	SP01	Monopitch Structural Gable	2	1	
Job Reference (optional)					# 57144

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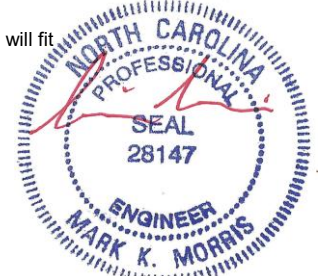
LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.51	Vert(LL)	-0.06	2-6	>999	240	MT20	244/190
Snow (PF) 20.0	Plate Grip DOL 1.15	BC 0.88	Vert(CT)	-0.13	2-6	>999	180		
TCDL 10.0	Lumber DOL 1.15	WB 0.73	Horz(CT)	0.02	5	n/a	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-SH							
BCDL 10.0	Code IRC2021/TPI2014							Weight: 55 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-7-15 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.3	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	
OTHERS 2x4 SP No.3	

REACTIONS. (lb/size) 5=460/Mechanical, 2=526/0-3-8 (min. 0-1-8)
Max Horz 2=98(LC 10)
Max Uplift 5=-72(LC 14), 2=-82(LC 10)
Max Grav 5=577(LC 21), 2=580(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-11=-1259/121, 3-11=-1168/129
BOT CHORD 2-6=-192/1178, 5-6=-192/1178
WEBS 3-6=0/264, 3-5=-1193/195

- NOTES-** (11-14)
- 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; Gable Roof; Common Truss; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 3-11-2, Interior(1) 3-11-2 to 6-10-14, Exterior(2E) 6-10-14 to 11-8-8 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - 3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 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) Refer to girder(s) for truss to truss connections.
 - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 2.



Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 HONEYCUTT HILLS 311 SHELBY MEADOW LANE ANGIER, NC
25-1795-R01	SP01	Monopitch Structural Gable	2	1	Job Reference (optional) # 57144

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- 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

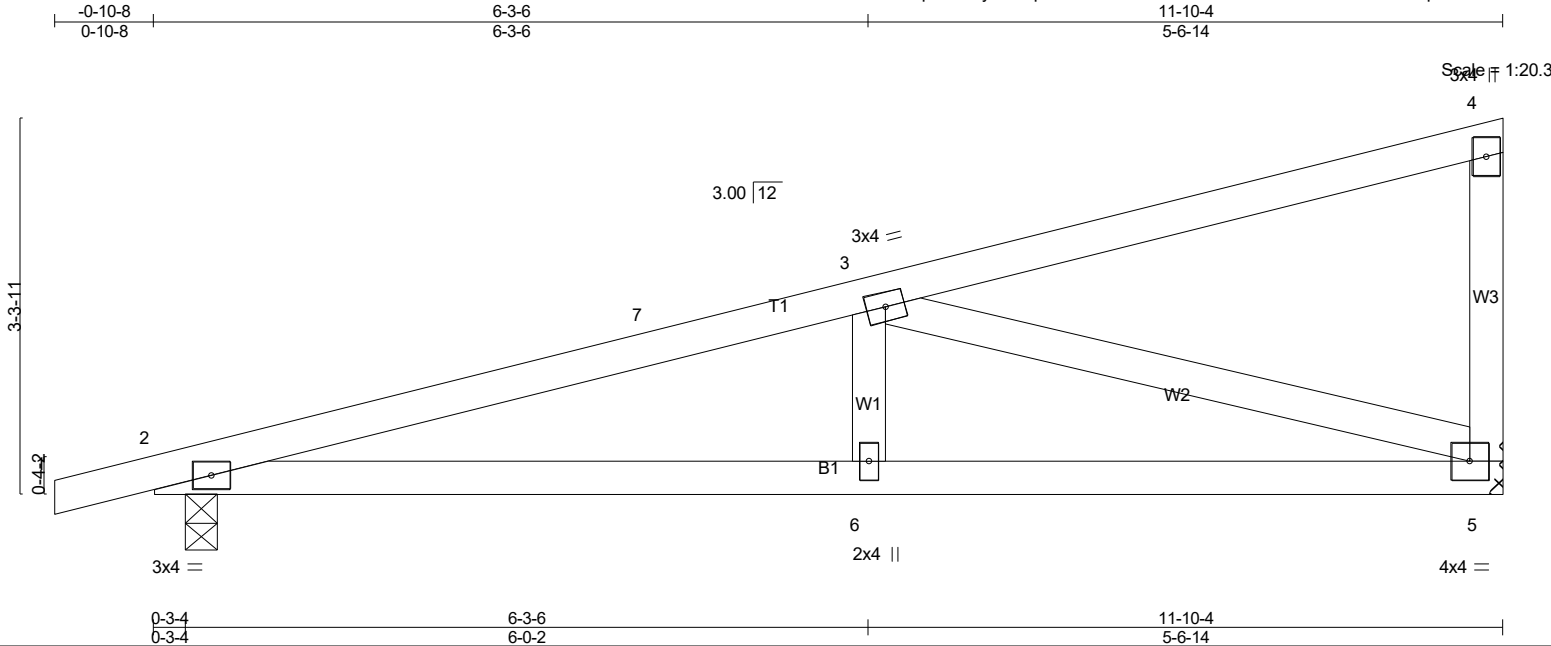


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Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 HONEYCUTT HILLS 311 SHELBY MEADOW LANE ANGIER, NC
25-1795-R01	SP02	Monopitch	18	1	
Job Reference (optional)					# 57144

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Wed Feb 26 15:01:16 2025 Page 1
ID: zrP3ttuqPLI752yfGbMpMBz4PVv-sLn8WtluYxv9rJohnlHoHTMZ5P15fRpiwDsC3ozhF7n



LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.51	Vert(LL)	-0.06	2-6	>999	240	MT20	244/190
Snow (Pf) 20.0	Plate Grip DOL 1.15	BC 0.53	Vert(CT)	-0.12	2-6	>999	180		
TCDL 10.0	Lumber DOL 1.15	WB 0.73	Horz(CT)	0.02	5	n/a	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-SH							
BCDL 10.0	Code IRC2021/TPI2014							Weight: 51 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-8-1 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

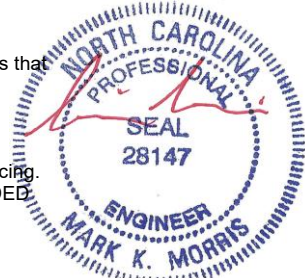
REACTIONS. (lb/size) 5=460/Mechanical, 2=526/0-3-8 (min. 0-1-8)
Max Horz 2=98(LC 10)
Max Uplift 5=-72(LC 14), 2=-82(LC 10)
Max Grav 5=577(LC 21), 2=580(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-7=-1260/121, 3-7=-1168/129
BOT CHORD 2-6=-192/1178, 5-6=-192/1178
WEBS 3-6=0/265, 3-5=-1193/195

- NOTES-** (9-12)
- Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; Gable Roof; Common Truss; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 3-11-2, Interior(1) 3-11-2 to 6-10-14, Exterior(2E) 6-10-14 to 11-8-8 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=1.00; 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.
 - 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.
 - 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.
 - 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

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