# Mark Morris, P.E.

#126, 1317-M, Summerville, SC 29483 843 209-5784, Fax (866)-213-4614

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 #: 59843 JOB: 25-4772-F01

JOB NAME: LOT 0.0039 HONEYCUTT HILLS

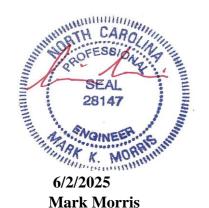
Wind Code: N/A

Wind Speed: Vult= N/A Exposure Category: N/A Mean Roof Height (feet): N/A

These truss designs comply with IRC 2015 as well as IRC 2018.

30 Truss Design(s)

Trusses:F1-01, F1-02, F1-03, F1-04, F1-05, F1-06, F1-08, F1-09, F1-10, F1-11, F1-12, F1-12A, F1-13, F1-14, F1-15, F1-19, F1-20, F1-21, F1-22, F1-23, F1-24, F1-25, F1-26, F1-27, F1-28, F1-29, F1-30, F1-31, F1-32, F1-33



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

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

Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS   228 SHELBY ME	ADOW LANE ANGIER, N
25-4772-F01	F1-01	Floor Supported Gable	1	1	Job Reference (optional)	# 59843

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0-1-8

Scale = 1:24.9

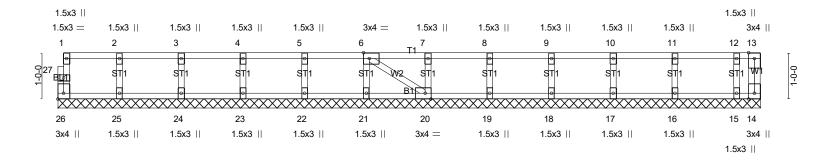


Plate Offsets (X,Y) [	6:0-1-8,Edge], [20:0-1-8,Edge], [26:E	Edge,0-1-8]	15-2-2				1
LOADING (psf) TCLL 40.0	SPACING- 2-0-0 Plate Grip DOL 1.00	<b>CSI.</b> TC 0.06	Vert(LL) n/a	l/defl n/a	L/d 999	PLATES MT20	<b>GRIP</b> 244/190
TCDL 10.0 BCLL 0.0 BCDL 5.0	Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	BC 0.01 WB 0.03 Matrix-SH	Vert(CT) n/a Horz(CT) 0.00	n/a n/a	999 n/a	Weight: 64 lb	FT = 20%F, 11%E

15\_2\_2

LUMBER-BRACING-

TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(flat) 2x4 SP No.3(flat) WFBS

2x4 SP No.3(flat) **OTHERS** 

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

**BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 15-2-2.

(lb) - Max Uplift All uplift 100 lb or less at joint(s) 14

Max Grav All reactions 250 lb or less at joint(s) 26, 14, 25, 24, 23, 22, 21, 20, 19, 18, 17, 16, 15

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

- 1) Gable requires continuous bottom chord bearing.
- 2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 3) Gable studs spaced at 1-4-0 oc.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14.
- 5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 6) CAUTION, Do not erect truss backwards.
- 7) 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.
- 8) 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.
- 9) 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.
- 10) 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



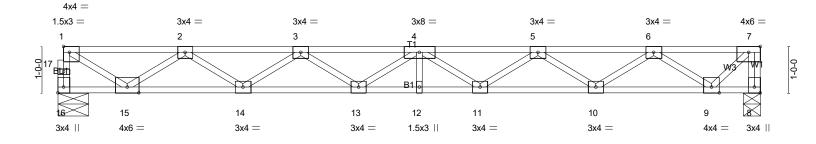
6/2/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS   228 SHELBY MEADOW	LANE ANGIER, N
25-4772-F01	F1-02	Floor	8	1	Job Reference (optional) # 5	9843

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0-1-8 1-3-0  $H \vdash$ 

Scale = 1:24.9



1-6-0 1-6-0	4-0-0 2-6-0	6-6-0 2-6-0	9-1-8 2-7-8	11-7-8 2-6-0	14-1-8   15-2-2 2-6-0   1-0-10
Plate Offsets (X,Y)	[1:Edge,0-1-8], [8:Edge,0-1-8]	], [16:Edge,0-1-8]			
LOADING (psf)	SPACING- 2-0-	0 CSI.	DEFL. i	n (loc) I/defl L/d	PLATES GRIP
TCLL 40.0	Plate Grip DOL 1.0	0 TC 0.41	Vert(LL) -0.2	1 12 >859 480	MT20 244/190
TCDL 10.0	Lumber DOL 1.0	0 BC 0.67	Vert(CT) -0.2	9 12 >625 360	
BCLL 0.0	Rep Stress Incr YE	S WB 0.60	Horz(CT) 0.0	5 8 n/a n/a	
BCDL 5.0	Code IRC2021/TPI201	4 Matrix-SH	, ,		Weight: 76 lb FT = 20%F, 11%E

LUMBER-

TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(flat)

2x4 SP No.3(flat) WFBS

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except

end verticals.

**BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 16=815/0-7-14 (min. 0-1-8), 8=821/0-4-8 (min. 0-1-8)

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

TOP CHORD 16-17=-809/0, 1-17=-807/0, 7-8=-818/0, 1-2=-1112/0, 2-3=-2656/0, 3-4=-3374/0, 4-5=-3302/0, 5-6=-2437/0,

14-15=0/2088, 13-14=0/3188, 12-13=0/3536, 11-12=0/3536, 10-11=0/3048, 9-10=0/1791 **BOT CHORD** 

WEBS 1-15=0/1267, 2-15=-1191/0, 2-14=0/693, 3-14=-649/0, 4-11=-281/0, 5-11=0/311, 5-10=-745/0, 6-10=0/788,

6-9=-1240/0, 7-9=0/1066

## NOTES-

- 1) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- CAUTION, Do not erect truss backwards.
- 3) 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.
- 4) 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.
- 5) 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.

  6) 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

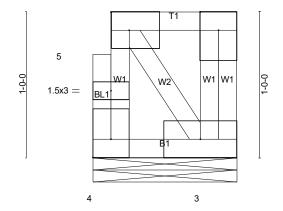
Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS   228 SHELBY M	EADOW LANE ANGIER, NO
25-4772-F01	F1-03	Floor Supported Gable	1	1	Job Reference (optional)	# 59843

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Structural wood sheathing directly applied or 0-11-14 oc purlins,

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

Scale: 1.5"=1'



3x4 || 3x6 =0-11-14

Plate Offsets	(X.Y)	[4:Edae	.0-1-81

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) I/defl L/d	PLATES GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.02	Vert(LL) n/a - n/a 999	MT20 244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.00	Vert(CT) n/a - n/a 999	
BCLL 0.0	Rep Stress Incr YES	WB 0.00	Horz(CT) 0.00 3 n/a n/a	
BCDL 5.0	Code IRC2021/TPI2014	Matrix-P	` '	Weight: 8 lb FT = 20%F, 11%E

**BRACING-**

TOP CHORD

**BOT CHORD** 

except end verticals.

LUMBER-

TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(flat)

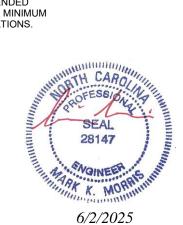
2x4 SP No.3(flat) WFBS

REACTIONS. (lb/size) 4=35/0-11-14 (min. 0-1-8), 3=40/0-11-14 (min. 0-1-8)

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

- 1) Gable requires continuous bottom chord bearing.
- 2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 3) Gable studs spaced at 1-4-0 oc.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 5) CAUTION, Do not erect truss backwards.
- 6) 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.
- 7) 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.
- 8) 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 9) 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

Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS   228 SHELBY N	MEADOW LANE ANGIER, NO
25-4772-F01	F1-04	Floor	6	1	Job Reference (optional)	# 59843

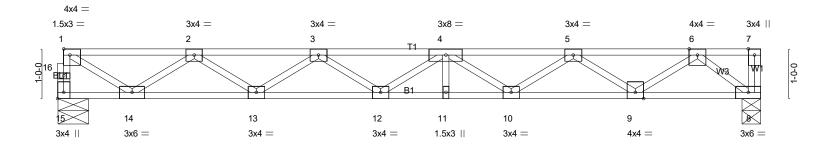
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Structural wood sheathing directly applied or 6-0-0 oc purlins, except

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

0-1-8 1-3-0  $H \vdash$ 

1-0-4 Scale = 1:23.2



1-6-0	4-0-0	6-6-0	9-1-8	11-7-8	13-10-12 14-1-12 2-3-4 0-3-0
Plate Offsets (X V) [	2-6-0 [1:Edge,0-1-8], [15:Edge,0-1-8]	2-6-0	2-7-8	2-6-0	2-3-4 0-3-0
Tidle Offsets (X,T)	1.Lage,0 1-0], [10.Lage,0 1-0]		T		
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc)	l/defl L/d	PLATES GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.35	Vert(LL) -0.16 11-12		MT20 244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.58	Vert(CT) -0.22 11-12		
BCLL 0.0	Rep Stress Incr YES	WB 0.56	Horz(CT) 0.04 8	n/a n/a	
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH			Weight: 71 lb FT = 20%F, 11%E

BRACING-

TOP CHORD

**BOT CHORD** 

end verticals.

LUMBER-

TOP CHORD 2x4 SP No.1(flat)

BOT CHORD 2x4 SP No.1(flat) 2x4 SP No.3(flat) WFBS

REACTIONS. (lb/size) 15=758/0-7-8 (min. 0-1-8), 8=764/0-4-8 (min. 0-1-8)

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

TOP CHORD 15-16=-753/0, 1-16=-751/0, 1-2=-1024/0, 2-3=-2406/0, 3-4=-2963/0, 4-5=-2724/0, 5-6=-1691/0

**BOT CHORD** 13-14=0/1919, 12-13=0/2858, 11-12=0/3040, 10-11=0/3040, 9-10=0/2393, 8-9=0/951

1-14=0/1166, 2-14=-1093/0, 2-13=0/595, 3-13=-551/0, 4-10=-379/0, 5-10=0/405, 5-9=-857/0, 6-9=0/903, 6-8=-1197/0 WEBS

- 1) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 2) CAUTION. Do not erect truss backwards
- 3) 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.
- 4) 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.
- 5) 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.

  6) 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

Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS   228	SHELBY MEADOW LANE ANGIER, N
25-4772-F01	F1-05	Floor Supported Gable	1	1	Job Reference (optional)	# 59843

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

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

0-1-8

Scale = 1:23.2

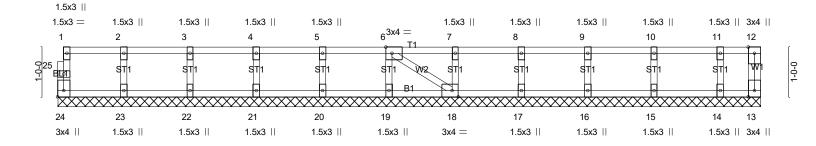


Plate Offsets (X Y)	14-1-12 // 14-1-12 //					
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES	<b>CSI.</b> TC 0.06 BC 0.01 WB 0.03	DEFL.         in (loc)         l/defl         L/d           Vert(LL)         n/a         -         n/a         999           Vert(CT)         n/a         -         n/a         n/a           Horz(CT)         0.00         13         n/a         n/a	PLATES GRIP MT20 244/190		
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH	H012(C1) 0.00 13 11/4 11/4	Weight: 59 lb FT = 20%F, 11%E		
LUMBER-			BRACING-			

TOP CHORD

**BOT CHORD** 

end verticals.

14-1-12

2x4 SP No.3(flat) **OTHERS** 

2x4 SP No.3(flat)

TOP CHORD 2x4 SP No.1(flat)

BOT CHORD 2x4 SP No.1(flat)

REACTIONS. All bearings 14-1-12. (lb) - Max Grav All reactions 250 lb or less at joint(s) 24, 13, 23, 22, 21, 20, 19, 18, 17, 16, 15, 14

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

### NOTES-(6-9)

WFBS

- 1) Gable requires continuous bottom chord bearing.
- 2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 3) Gable studs spaced at 1-4-0 oc.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- CAUTION, Do not erect truss backwards.
- 6) 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.
- 7) 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.
- 8) 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.
- 9) 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



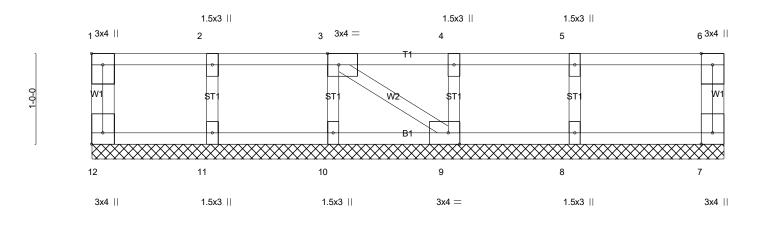
6/2/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS   228 SHELBY ME	EADOW LANE ANGIER, N
25-4772-F01	F1-06	GABLE	1	1	Job Reference (optional)	# 59843

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Scale = 1:12.7

0-0-1



	1-4-0	1	3-0 4-0	4-0-0 1-4-0				4-0 4-0	-	6-11-12 1-7-12	
Plate Offsets (X,Y)	[1:Edge,0-1-8], [3:0-1-8	,Eagej, [9:0-1	-8,Eage], [12:E	age,0-1-8]							
LOADING (psf) TCLL 40.0	SPACING- Plate Grip DOL	2-0-0 1.00		.08 V	DEFL. /ert(LL)	n/a	(loc)	l/defl n/a	L/d 999	PLATES MT20	<b>GRIP</b> 244/190
TCDL 10.0 BCLL 0.0 BCDL 5.0	Lumber DOL Rep Stress Incr Code IRC2021/T	1.00 YES PI2014		.04 F	/ert(CT) Horz(CT)	n/a -0.00	9	n/a n/a	999 n/a	Weight: 32 lb	FT = 20%F, 11%E

LUMBER-

TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(flat) 2x4 SP No.3(flat) WFBS

2x4 SP No.3(flat) **OTHERS** 

**BRACING-**

TOP CHORD Structural wood sheathing directly applied or 6-11-12 oc purlins,

except end verticals.

**BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 6-11-12.

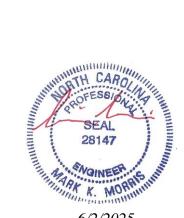
(lb) - Max Grav All reactions 250 lb or less at joint(s) 12, 7, 11, 10, 9, 8

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

### (5) NOTES-

- 1) Gable requires continuous bottom chord bearing.
- 2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 3) Gable studs spaced at 1-4-0 oc.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

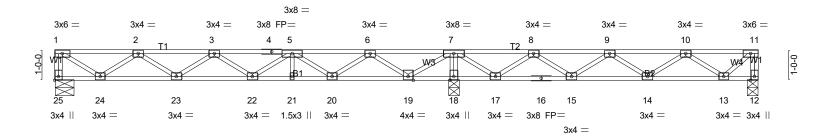


Job Truss Type Truss Qtv LOT 0.0039 HONEYCUTT HILLS | 228 SHELBY MEADOW LANE ANGIER, NC F1-08 Floor 25-4772-F01 # 59843 Job Reference (optional)

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0-10-10 1-3-0 1-4-8

Scale = 1:37.9



1-6-0   1-6-0   Plate Offsets (X,Y)	4-0-0   6-6-0 2-6-0 2-6-0 [25:Edge,0-1-8]	9-1-8 11-7-8 2-7-8 2-6-0	13-1-8 14-6-0 17-0-0 1-6-0 1-4-8 2-6-0	19-6-0   22-0-0   23-1-10   2-6-0   2-6-0   1-1-10
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 1-4-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr NO Code IRC2021/TPI2014	CSI. TC 0.35 BC 0.28 WB 0.43 Matrix-SH	DEFL.         in (loc)         l/defl           Vert(LL)         -0.06         22         >999           Vert(CT)         -0.08         22         >999           Horz(CT)         0.01         18         n/a	L/d

LUMBER-**BRACING-**

TOP CHORD 2x4 SP No.1(flat) TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except BOT CHORD 2x4 SP No.1(flat)

end verticals.

2x4 SP No.3(flat) **BOT CHORD** WFBS Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size) 25=384/0-7-8 (min. 0-1-8), 12=641/0-4-6 (min. 0-1-8), 18=1653/0-4-8 (min. 0-1-8)

Max Grav 25=405(LC 3), 12=702(LC 4), 18=1653(LC 1)

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

TOP CHORD 1-25=-400/0, 11-12=-700/0, 1-2=-517/0, 2-3=-1144/0, 3-4=-1217/0, 4-5=-1217/0, 5-6=-750/59, 6-7=0/514, 7-8=0/779, 8-9=-544/384, 9-10=-676/123, 10-11=-278/10

23-24=0/969, 22-23=0/1296, 21-22=0/1111, 20-21=0/1111, 19-20=-210/380, 18-19=-1296/0, **BOT CHORD** 

17-18=-1305/0, 16-17=-567/339, 15-16=-567/339, 14-15=-228/724, 13-14=-42/604 7-18=-1624/0, 1-24=0/613, 2-24=-551/0, 5-20=-474/0, 6-20=0/491, 6-19=-793/0,

7-19=0/907, 7-17=0/704, 8-17=-653/0, 8-15=0/363, 9-15=-331/0, 10-13=-397/39,

11-13=-14/368

## NOTES-

**WEBS** 

- 1) Unbalanced floor live loads have been considered for this design.
- 2) Load case(s) 1, 2, 3, 4, 5, 6 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- 3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 4) CAUTION, Do not erect truss backwards.

## LOAD CASE(S) Standard

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 12-25=-7, 1-11=-67

Concentrated Loads (lb)

Vert: 7=-600 11=-400

2) Dead: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 12-25=-7, 1-11=-67

Concentrated Loads (lb)

Vert: 7=-600 11=-400

3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 12-25=-7, 1-7=-67, 7-11=-13



6/2/2025

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS   228 SHELBY MEA	ADOW LANE ANGIER, NC
25-4772-F01	F1-08	Floor	3	1	Job Reference (optional)	# 59843

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Mon Jun 2 23:18:22 2025 Page 2 ID:5fxLxLn?C6dWjia?SHK4thzkcYl-mvx6MqVE8B3feVk?q27uhLD08lb51GsLXyq8zCzABM?

LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 7=-600 11=-400

4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf)

Vert: 12-25=-7, 1-7=-13, 7-11=-67

Concentrated Loads (lb)

Vert: 7=-600 11=-400 5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 12-25=-7, 1-7=-67, 7-11=-13

Concentrated Loads (lb)

Vert: 7=-600 11=-400

6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 12-25=-7, 1-7=-13, 7-11=-67

Concentrated Loads (lb) Vert: 7=-600 11=-400



Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS   228 SHELBY MEA	ADOW LANE ANGIER, NC
25-4772-F01	F1-09	Floor Supported Gable	1	1	Job Reference (optional)	# 59843

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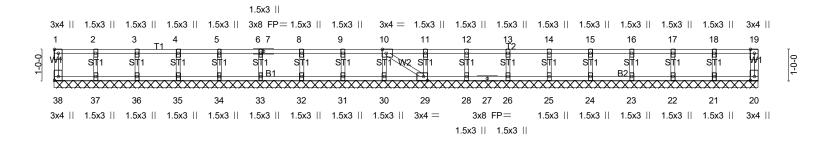


Plate Official (VVV)	M. F. J	4.0 Edual 100 Edua 0.4	22-9-2 22-9-2				<del></del>
Plate Offsets (X,Y)	- [1:Edge,0-1-8], [10:0-1-8,Edge], [29:0	- 1-8,Eagej, [38:Eage,0-1	-8]			1	
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	in (loc)	I/defl L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.07	Vert(LL)	n/a -	n/a 999	MT20	244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.01	Vert(CT)	n/a -	n/a 999		
BCLL 0.0	Rep Stress Incr YES	WB 0.03	Horz(CT)	0.00 26	n/a n/a		
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH				Weight: 92 II	FT = 20%F, 11%E
-						1	
LUMBER-			BRACING-				

TOP CHORD

**BOT CHORD** 

end verticals.

2x4 SP No.3(flat) **OTHERS** 

2x4 SP No.3(flat)

TOP CHORD 2x4 SP No.1(flat)

BOT CHORD 2x4 SP No.1(flat)

REACTIONS. All bearings 22-9-2. (lb) - Max Grav All reactions 250 lb or less at joint(s) 38, 20, 37, 36, 35, 34, 33, 32, 31, 30, 29, 28, 26, 25, 24, 23, 22, 21

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

WFBS

- 1) Gable requires continuous bottom chord bearing.
- 2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 3) Gable studs spaced at 1-4-0 oc.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard



Structural wood sheathing directly applied or 10-0-0 oc purlins, except

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

6/2/2025

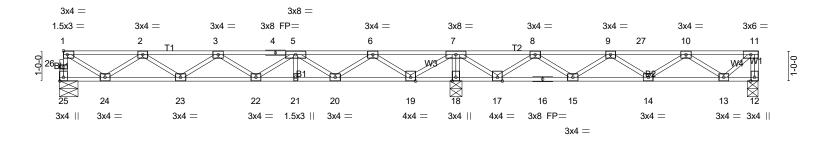
Job Truss Type Truss Qtv LOT 0.0039 HONEYCUTT HILLS | 228 SHELBY MEADOW LANE ANGIER, NC F1-10 Floor 25-4772-F01 # 59843 Job Reference (optional)

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Mon Jun 2 23:18:24 2025 Page 1 ID:5fxLxLn?C6dWjia?SHK4thzkcYI-iH3tnWWUgoJNtouOyT9MmmlBcZH9V8ye\_GJE14zABLz

0-1-8 H | 1-3-0

1-4-8

0-10-12 Scale = 1:38.2



1-6-0	4-0-0	6-6-0	9-1-8	11-7-8	13-1-8	14-6-0	17-0-0	-	19-6-0	22-0-	
Plate Offsets (X,Y)	2-6-0 [25:Edge 0-1-8	2-6-0	2-7-8	2-6-0	1-6-0	1-4-8	2-6-0		2-6-0	2-6-0	) 1-1-12
1 1010 0110010 (71,17)	[20.2ago,o i c	<u>′1</u>									
LOADING (psf)	SPACIN	I <b>G-</b> 1-4-0	CSI.		DEFL.	in (lo	oc) I/defl	L/d		PLATES	GRIP
TCLL 40.0	Plate G		TC	0.99	Vert(LL)		22 >999	480		MT20	244/190
TCDL 10.0	Lumber		BC	0.31	Vert(CT)		22 >999	360			
BCLL 0.0	Rep Str			0.46	Horz(CT)	0.01	12 n/a	n/a			
BCDL 5.0	Code IR	C2021/TPI2014	Matri	ix-SH					'	Weight: 115 II	o FT = 20%F, 11%E

LUMBER-TOP CHORD 2x4 SP No.1(flat)

BOT CHORD 2x4 SP No.1(flat)

2x4 SP No.3(flat) WFBS

**BRACING-**TOP CHORD

Structural wood sheathing directly applied or 4-8-11 oc purlins, except

end verticals.

**BOT CHORD** Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size) 25=363/0-7-8 (min. 0-1-8), 12=427/0-4-8 (min. 0-1-8), 18=1820/0-4-8 (min. 0-1-8)

Max Grav 25=384(LC 3), 12=489(LC 4), 18=1820(LC 1)

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

TOP CHORD 25-26=-380/0, 1-26=-380/0, 11-12=-486/0, 1-2=-493/0, 2-3=-1070/0, 3-4=-1095/0,

4-5=-1095/0, 5-6=-578/232, 6-7=0/732, 7-8=0/803, 8-9=-981/0, 9-27=-1297/0,

10-27=-1297/0 10-11=-525/0

**BOT CHORD** 23-24=0/917, 22-23=0/1198, 21-22=-72/965, 20-21=-72/965, 19-20=-409/183,

18-19=-1537/0, 17-18=-1546/0, 16-17=-392/513, 15-16=-392/513, 14-15=0/1424,

13-14=0/1149

7-18=-1788/0, 1-24=0/560, 2-24=-518/0, 5-20=-505/0, 6-20=0/522, 6-19=-819/0,

7-19=0/932, 7-17=0/961, 8-17=-896/0, 8-15=0/683, 9-15=-651/0, 10-13=-762/0,

11-13=0/691

# (5)

**WEBS** 

- 1) Unbalanced floor live loads have been considered for this design.
- 2) Load case(s) 1, 2, 3, 4, 5, 6 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss
- 3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 4) CAUTION, Do not erect truss backwards.

## LOAD CASE(S)

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 12-25=-7, 1-11=-67

Concentrated Loads (lb) Vert: 7=-600 27=-335

2) Dead: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 12-25=-7, 1-11=-67

Concentrated Loads (lb)

Vert: 7=-600 27=-335

3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00

Continued on page 2



6/2/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS   228 SHELBY M	EADOW LANE ANGIER, NC
25-4772-F01	F1-10	Floor	6	1	Job Reference (optional)	# 59843

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Mon Jun 2 23:18:24 2025 Page 2 ID:5fxLxLn?C6dWjia?SHK4thzkcYI-iH3tnWWUgoJNtouOyT9MmmlBcZH9V8ye\_GJE14zABLz

## LOAD CASE(S)

Uniform Loads (plf)

Vert: 12-25=-7, 1-7=-67, 7-11=-13

Concentrated Loads (lb) Vert: 7=-600 27=-335

4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 12-25=-7, 1-7=-13, 7-11=-67

Concentrated Loads (lb)

Vert: 7=-600 27=-335

5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 12-25=-7, 1-7=-67, 7-11=-13

Concentrated Loads (lb)

Vert: 7=-600 27=-335

6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 12-25=-7, 1-7=-13, 7-11=-67

Concentrated Loads (lb)

Vert: 7=-600 27=-335



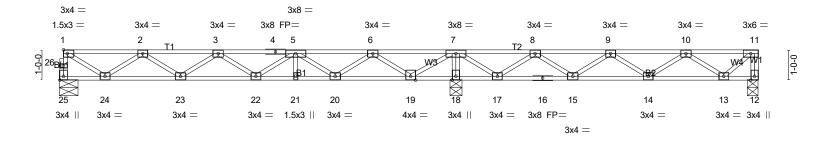
Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS   228 SHELBY M	IEADOW LANE ANGIER, NO
25-4772-F01	F1-11	Floor	3	1	Job Reference (optional)	# 59843

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Mon Jun 2 23:18:24 2025 Page 1 ID:5fxLxLn?C6dWjia?SHK4thzkcYI-iH3tnWWUgoJNtouOyT9MmmlMFZIyV9Le\_GJE14zABLz

0-1-8 H | 1-3-0

1-4-8

0-10-12 Scale = 1:38.2



1-6-0   1-6-0   Plate Offsets (X,Y)	4-0-0   6-6-0   2-6-0   [25:Edge,0-1-8]	9-1-8 11-7-8 2-7-8 2-6-0			<del>26-0</del> + <del>22-0-0</del> + <del>23-1-12</del> + <del>2-1-12</del> + <del></del>
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 1-4-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.31 BC 0.25 WB 0.43 Matrix-SH	DEFL. in (loc) Vert(LL) -0.06 22 Vert(CT) -0.08 22 Horz(CT) 0.01 18	l/defl L/d >999 480 >999 360 n/a n/a	PLATES GRIP MT20 244/190 Weight: 115 lb FT = 20%F, 11%E

LUMBER-

TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(flat)

2x4 SP No.3(flat) WFBS

**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.

REACTIONS. (lb/size) 25=380/0-7-8 (min. 0-1-8), 12=241/0-4-8 (min. 0-1-8), 18=1054/0-4-8 (min. 0-1-8)

Max Grav 25=400(LC 3), 12=303(LC 4), 18=1054(LC 1)

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

TOP CHORD 25-26=-397/0, 1-26=-396/0, 11-12=-301/0, 1-2=-519/0, 2-3=-1143/0, 3-4=-1216/0,

4-5=-1216/0, 5-6=-748/62, 6-7=0/516, 7-8=0/778, 8-9=-545/384, 9-10=-678/123,

10-11=-281/10

**BOT CHORD** 23-24=0/967, 22-23=0/1295, 21-22=0/1109, 20-21=0/1109, 19-20=-213/379, 18-19=-1300/0,

17-18=-1306/0, 16-17=-566/339, 15-16=-566/339, 14-15=-228/726, 13-14=-42/607 **WEBS** 7-18=-1027/0, 1-24=0/589, 2-24=-547/0, 5-20=-475/0, 6-20=0/491, 6-19=-793/0, 7-19=0/909, 7-17=0/706, 8-17=-653/0, 8-15=0/363, 9-15=-332/0, 10-13=-397/39,

11-13=-13/371

### NOTES-(4)

- 1) Unbalanced floor live loads have been considered for this design.
- 2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 3) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



6/2/2025

Job Truss Type Truss Qtv LOT 0.0039 HONEYCUTT HILLS | 228 SHELBY MEADOW LANE ANGIER, NC F1-12 Floor 25-4772-F01 # 59843 Job Reference (optional)

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Mon Jun 2 23:18:25 2025 Page 1 ID:5fxLxLn?C6dWjia?SHK4thzkcYI-AUdF?sX7R6REVySaWAgbJ\_rW1zduEbIoDw3oZWzABLy

1-5-12 0<sub>-</sub>3-8 1-5-4

Scale = 1:38.0

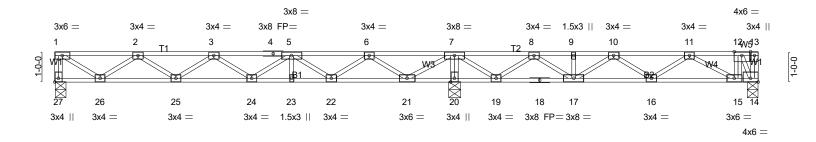


Plate Offsets (X,Y)	13-2-4   13-2-4						23-2-8 0-8-0
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 1-4-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr NO Code IRC2021/TPI2014	<b>CSI.</b> TC 0.37 BC 0.27 WB 0.45 Matrix-SH	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) -0.06 24 -0.08 24 0.01 14	l/defl L/d >999 480 >999 360 n/a n/a	PLATES MT20 Weight: 119	<b>GRIP</b> 244/190  Ib FT = 20%F, 11%E

LUMBER-**BRACING-**

TOP CHORD 2x4 SP No.1(flat) TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except BOT CHORD 2x4 SP No.1(flat) end verticals

**BOT CHORD** 

2x4 SP No.3(flat) WFBS Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size) 27=379/0-4-8 (min. 0-1-8), 20=1121/0-4-8 (min. 0-1-8), 14=1049/0-4-8 (min. 0-1-8)

Max Grav 27=400(LC 3), 20=1121(LC 1), 14=1111(LC 4)

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

1-27=-395/0, 1-2=-509/0, 2-3=-1122/0, 3-4=-1180/0, 4-5=-1180/0, 5-6=-698/127, 6-7=0/582, 7-8=0/802, 8-9=-718/224, 9-10=-718/224, 10-11=-978/0, 11-12=-672/0

**BOT CHORD** 25-26=0/954, 24-25=0/1266, 23-24=0/1066, 22-23=0/1066, 21-22=-288/322, 20-21=-1408/0,

19-20=-1417/0, 18-19=-513/394, 17-18=-513/394, 16-17=0/960, 15-16=0/968, 14-15=0/672 **WEBS** 7-20=-1093/0, 1-26=0/604, 2-26=-542/0, 5-22=-483/0, 6-22=0/499, 6-21=-804/0,

7-21=0/948, 7-19=0/804, 8-19=-744/0, 8-17=0/514, 10-17=-399/0, 11-15=-338/154,

12-14=-1277/0

## NOTES-

- 1) Unbalanced floor live loads have been considered for this design.
- 2) Load case(s) 1, 2, 3, 4, 5, 6 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- 3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 4) CAUTION, Do not erect truss backwards.

## LOAD CASE(S) Standard

1-3-0

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 14-27=-7, 1-13=-67 Concentrated Loads (lb)

Vert: 12=-865

2) Dead: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 14-27=-7, 1-13=-67

Concentrated Loads (lb)

Vert: 12=-865

3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 14-27=-7, 1-7=-67, 7-13=-13



6/2/2025

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS   228 SHELBY ME	EADOW LANE ANGIER, NC
25-4772-F01	F1-12	Floor	2	1	Job Reference (optional)	# 59843

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Mon Jun 2 23:18:25 2025 Page 2 ID:5fxLxLn?C6dWjia?SHK4thzkcYI-AUdF?sX7R6REVySaWAgbJ\_rW1zduEbloDw3oZWzABLy

LOAD CASE(S) Standard

Concentrated Loads (lb) Vert: 12=-865

4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf)

Vert: 14-27=-7, 1-7=-13, 7-13=-67

Concentrated Loads (lb)

Vert: 12=-865

5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 14-27=-7, 1-7=-67, 7-13=-13

Concentrated Loads (lb)

Vert: 12=-865

6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 14-27=-7, 1-7=-13, 7-13=-67

Concentrated Loads (lb) Vert: 12=-865



Truss Type Job Truss Qtv LOT 0.0039 HONEYCUTT HILLS | 228 SHELBY MEADOW LANE ANGIER, NO Floor 25-4772-F01 F1-12A # 59843 Job Reference (optional)

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Mon Jun 2 23:18:25 2025 Page 1 ID:5fxLxLn?C6dWjia?SHK4thzkcYI-AUdF?sX7R6REVySaWAgbJ\_rUSzbmEZfoDw3oZWzABLy

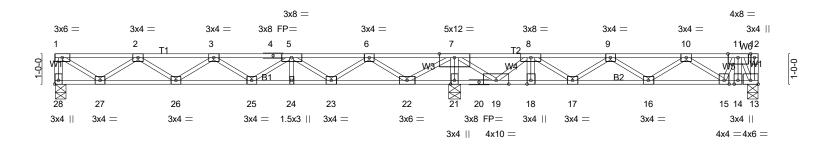
0-3-8

1-3-0

1-0-4 1-5-4

0\_4\_0 Scale = 1:38.0

FT = 20%F, 11%E



14-5-6 15-8-8 1-1-10 0-1-8 Plate Offsets (X,Y)-- [13:Edge,0-1-8], [28:Edge,0-1-8] LOADING (psf) SPACING-CSI. DEFL. I/defl L/d **PLATES GRIP** (loc) TCLL Ÿ0.Ó Plate Grip DOL 1.00 0.47 Vert(LL) -0.06 2Ś 480 MT20 244/190 TC >999 **TCDL** 10.0 Lumber DOL 1.00 ВС 0.41 Vert(CT) -0.08 16-17 >999 360 **BCLL** 0.0 Rep Stress Incr NO WB 0.62 Horz(CT) 0.01 13 n/a n/a

LUMBER-**BRACING-**

TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(flat)

2x4 SP No.3(flat) \*Except\* WFBS

5.0

**BCDL** 

W2: 2x4 SP No.2(flat)

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

Weight: 120 lb

BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size) 28=331/0-4-8 (min. 0-1-8), 21=1926/0-4-8 (min. 0-1-8), 13=1223/0-4-8 (min. 0-1-8)

Max Grav 28=351(LC 3), 21=1926(LC 1), 13=1286(LC 4)

Code IRC2021/TPI2014

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

1-28=-347/0, 1-2=-434/0, 2-3=-910/37, 3-4=-831/245, 4-5=-831/245, 5-6=-206/614, TOP CHORD 6-7=0/1210. 7-8=-332/338. 8-9=-1881/0. 9-10=-1676/0. 10-11=-963/0

**BOT CHORD** 26-27=0/810, 25-26=-119/986, 24-25=-400/646, 23-24=-400/646, 22-23=-845/0,

21-22=-2109/0, 20-21=-2124/0, 19-20=-2124/0, 18-19=0/1823, 17-18=0/1823, 16-17=0/1904,

15-16=0/1426, 14-15=0/770, 13-14=0/770

7-21=-1879/0, 1-27=0/515, 2-27=-459/2, 5-25=0/258, 5-23=-568/0, 6-23=0/585 **WEBS** 

6-22=-889/0, 7-22=0/1031, 7-19=0/2200, 8-19=-1960/0, 9-16=-278/0, 10-16=0/304,

10-15=-565/0, 11-15=0/416, 11-13=-1462/0

# (5)

- 1) Unbalanced floor live loads have been considered for this design.
- 2) Load case(s) 1, 2, 3, 4, 5, 6 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss

Matrix-SH

- 3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 4) CAUTION, Do not erect truss backwards.

## LOAD CASE(S)

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 13-28=-7, 1-12=-67

Concentrated Loads (lb)

Vert: 8=-932 11=-865

2) Dead: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 13-28=-7, 1-12=-67

Concentrated Loads (lb)

Vert: 8=-932 11=-865

3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00



6/2/2025

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS   228 SHELBY M	EADOW LANE ANGIER, NC
25-4772-F01	F1-12A	Floor	7	1	Job Reference (optional)	# 59843

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Mon Jun 2 23:18:25 2025 Page 2 ID:5fxLxLn?C6dWjia?SHK4thzkcYI-AUdF?sX7R6REVySaWAgbJ\_rUSzbmEZfoDw3oZWzABLy

LOAD CASE(S)

Uniform Loads (plf)

Vert: 13-28=-7, 1-7=-67, 7-12=-13

Concentrated Loads (lb) Vert: 8=-932 11=-865

4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 13-28=-7, 1-7=-13, 7-12=-67

Concentrated Loads (lb)

Vert: 8=-932 11=-865

5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 13-28=-7, 1-7=-67, 7-12=-13

Concentrated Loads (lb)

Vert: 8=-932 11=-865

6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf) Vert: 13-28=-7, 1-7=-13, 7-12=-67

Concentrated Loads (lb)

Vert: 8=-932 11=-865

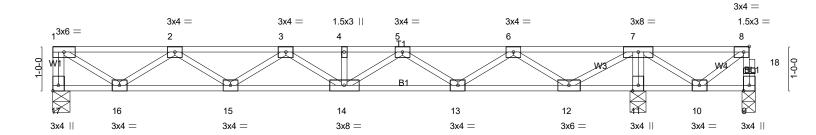


Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS   228 SHELBY	MEADOW LANE ANGIER, N
25-4772-F01	F1-13	Floor	1	1	Job Reference (optional)	# 59843

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Mon Jun 2 23:18:26 2025 Page 1 ID:5fxLxLn?C6dWjia?SHK4thzkcYI-egAdCCYICPZ5661m3uBqsBNiwNzcz3gxSaoL5zzABLx

1-5-4 1-0-0 0<sub>-</sub>1<sub>-</sub>8

Scale = 1:26.0



	13-2-4 13-2-4							
	[8:0-1-8,Edge], [17:Edge,0-1-8]							
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0	SPACING-         1-4-0           Plate Grip DOL         1.00           Lumber DOL         1.00           Rep Stress Incr         YES	CSI. TC 0.30 BC 0.24 WB 0.44	DEFL.         in (loc)         l/defl         L/d           Vert(LL)         -0.05         14         >999         480           Vert(CT)         -0.07         14         >999         360           Horz(CT)         0.01         11         n/a         n/a	PLATES GRIP MT20 244/190				
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH	(***)	Weight: 80 lb FT = 20%F, 11%E				

LUMBER-**BRACING-**

TOP CHORD 2x4 SP No.1(flat) TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except BOT CHORD 2x4 SP No.1(flat) end verticals.

**BOT CHORD** 

2x4 SP No.3(flat) WFBS Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size) 17=395/0-4-8 (min. 0-1-8), 9=-353/0-3-8 (min. 0-1-8), 11=1096/0-4-8 (min. 0-1-8)

Max Uplift9=-413(LC 3)

1-3-0

Max Grav 17=395(LC 3), 11=1096(LC 1)

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

1-17=-391/0, 9-18=0/419, 8-18=0/418, 1-2=-504/0, 2-3=-1098/0, 3-4=-1169/0, 4-5=-1169/0, 5-6=-650/0, 6-7=0/378, 7-8=0/540

15-16=0/943, 14-15=0/1229, 13-14=0/1002, 12-13=0/272, 11-12=-1189/0, 10-11=-1196/0 7-11=-1065/0, 1-16=0/597, 2-16=-536/0, 5-13=-435/0, 6-13=0/468, 6-12=-791/0, **BOT CHORD** WEBS

7-12=0/932, 7-10=0/777, 8-10=-661/0

# NOTES-

- 1) Unbalanced floor live loads have been considered for this design.
- 2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 413 lb uplift at joint 9.
- 3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 4) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



6/2/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS   228 SHELBY MI	EADOW LANE ANGIER, N	p
25-4772-F01	F1-14	Floor	4	1	Job Reference (optional)	# 59843	

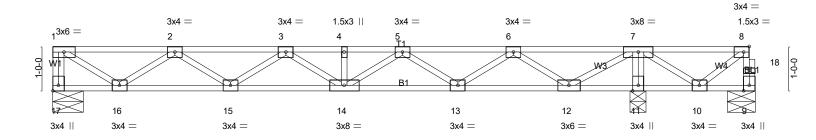
Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Mon Jun 2 23:18:26 2025 Page 1 ID:5fxLxLn?C6dWjia?SHK4thzkcYI-egAdCCYICPZ5661m3uBqsBNiwNzcz3gxSaoL5zzABLx

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

Rigid ceiling directly applied or 6-0-0 oc bracing.

1-3-0 1-5-4 <u>1-0-0</u> 0-<u>1-</u>8

Scale = 1:26.0



1-6-0 1-6-0	4-0-0 2-6-0	9-1-8 5-1-8	11-7-8 2-6-0		6-12   15-9-12 4-8   1-3-0
Plate Offsets (X,Y)	[8:0-1-8,Edge], [17:Edge,0-1-8]				
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0	SPACING- 1-4-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES	TC 0.30 Ve BC 0.24 Ve	ert(CT) -0.07 14 >999	L/d <b>PLATES</b> 480 MT20 360 n/a	<b>GRIP</b> 244/190
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH		Weight:	80 lb FT = 20%F, 11%E

**BRACING-**

TOP CHORD

**BOT CHORD** 

end verticals.

LUMBER-

TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(flat)

WFBS

2x4 SP No.3(flat)

REACTIONS. (lb/size) 17=395/0-8-4 (min. 0-1-8), 9=-353/0-7-8 (min. 0-1-8), 11=1096/0-4-8 (min. 0-1-8)

Max Uplift9=-413(LC 3)

Max Grav 17=395(LC 3), 11=1096(LC 1)

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

TOP CHORD 1-17=-391/0, 9-18=0/419, 8-18=0/418, 1-2=-504/0, 2-3=-1098/0, 3-4=-1169/0,

4-5=-1169/0, 5-6=-650/0, 6-7=0/378, 7-8=0/540

15-16=0/943, 14-15=0/1229, 13-14=0/1002, 12-13=0/272, 11-12=-1189/0, 10-11=-1196/0 7-11=-1065/0, 1-16=0/597, 2-16=-536/0, 5-13=-435/0, 6-13=0/468, 6-12=-791/0, **BOT CHORD** WEBS

7-12=0/932, 7-10=0/777, 8-10=-661/0

# NOTES-

- 1) Unbalanced floor live loads have been considered for this design.
- 2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 413 lb uplift at joint 9.
- 3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 4) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



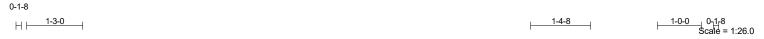
6/2/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS   228 SHELBY M	IEADOW LANE ANGIER, N
25-4772-F01	F1-15	Floor	1	1	Job Reference (optional)	# 59843

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Mon Jun 2 23:18:26 2025 Page 1 ID:5fxLxLn?C6dWjia?SHK4thzkcYI-egAdCCYICPZ5661m3uBqsBNi0Nzez3txSaoL5zzABLx

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

Rigid ceiling directly applied or 6-0-0 oc bracing.



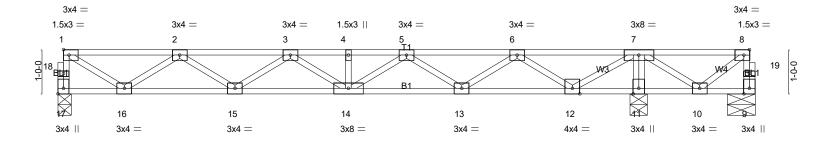


Plate Offsets (X,Y)	[8:0-1-8,Edge], [17:Edge,0-1-8]	15-9-0 2-7-8		
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 1-4-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.29 BC 0.24 WB 0.43 Matrix-SH	DEFL.         in (loc)         l/defl         L/d           Vert(LL)         -0.05         14         >999         480           Vert(CT)         -0.07         14         >999         360           Horz(CT)         0.01         11         n/a         n/a	PLATES GRIP MT20 244/190 Weight: 80 lb FT = 20%F, 11%E

**BOT CHORD** 

end verticals.

LUMBER-**BRACING-**TOP CHORD

TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(flat)

2x4 SP No.3(flat) WFBS

REACTIONS. (lb/size) 17=389/0-3-8 (min. 0-1-8), 9=-348/0-7-8 (min. 0-1-8), 11=1088/0-4-8 (min. 0-1-8)

Max Uplift9=-409(LC 3)

Max Grav 17=389(LC 3), 11=1088(LC 1)

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

TOP CHORD 17-18=-386/0, 1-18=-385/0, 9-19=0/414, 8-19=0/414, 1-2=-503/0, 2-3=-1090/0,

3-4=-1155/0, 4-5=-1155/0, 5-6=-632/0, 6-7=0/399, 7-8=0/535

BOT CHORD 15-16=0/936, 14-15=0/1219, 13-14=0/986, 11-12=-1178/0, 10-11=-1183/0 WEBS 7-11=-1057/0, 1-16=0/571, 2-16=-529/0, 5-13=-439/0, 6-13=0/472, 6-12=-791/0,

7-12=0/904, 7-10=0/768, 8-10=-654/0

# NOTES-

- 1) Unbalanced floor live loads have been considered for this design.
- 2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 409 lb uplift at joint 9.
- 3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 4) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



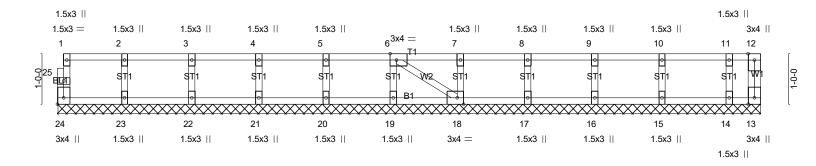
6/2/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS   228 SHELBY M	NEADOW LANE ANGIER, N
25-4772-F01	F1-19	GABLE	1	1	Job Reference (optional)	# 59843

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ID:5fxLxLn?C6dWjia?SHK4thzkcYI-6sk?QYYNzjhykGcydbi3OPwxOmMXicM5gEYvdPzABLw

0-1-8

Scale = 1:22.9



1-4-0 1-4-0	2-8-0 1-4-0	4-0-0 1-4-0	5-4-0 1-4-0	6-8-0 1-4-0	8-0-0 1-4-0		4-0 4-0	-	10-8-0 1-4-0	+	12-0-0 1-4-0	13-4-0 1-4-0 1-7-8
Plate Offsets (X,Y) [6	6:0-1-8,Edge], [1	3:0-1-8,Edge], [2	4:Edge,0-1-8]									
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- Plate Grip I Lumber DC Rep Stress Code IRC2	L 1.00	CSI. TC BC WB Matr	0.06 0.01 0.03 rix-SH	DEFL. Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 13	I/defl n/a n/a n/a	L/d 999 999 n/a		PLATES MT20 Weight: 5	<b>GRIP</b> 244/190  9 lb FT = 20%F, 11%E

LUMBER-

TOP CHORD 2x4 SP No.1(flat)

BOT CHORD 2x4 SP No.1(flat) 2x4 SP No.3(flat) WFBS

2x4 SP No.3(flat) **OTHERS** 

**BRACING-**

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except

end verticals

**BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 13-11-8.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 24, 13, 23, 22, 21, 20, 19, 18, 17, 16, 15, 14

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

## NOTES-

- 1) Gable requires continuous bottom chord bearing.
- 2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 3) Gable studs spaced at 1-4-0 oc.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



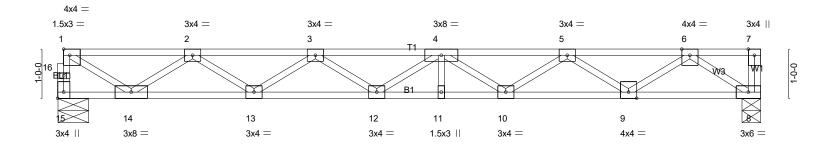
6/2/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS   228 SHELBY M	EADOW LANE ANGIER, N
25-4772-F01	F1-20	Floor	4	1	Job Reference (optional)	# 59843

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Mon Jun 2 23:18:27 2025 Page 1 ID:5fxLxLn?C6dWjia?SHK4thzkcYI-6sk?QYYNzjhykGcydbi3OPwshmDLiU35gEYvdPzABLw

0-1-8 1-3-0  $H \vdash$ 

1-2-4 Scale = 1:23.5



1-6-0	4-0-0	6-6-0	9-1-8	11-7-8	14-0-12 14-3-12
1-6-0 Plate Offsets (X V) [:	2-6-0 1:Edge,0-1-8], [15:Edge,0-1-8]	2-6-0	2-7-8	2-6-0	2-5-4 0-3-0
Tiate Offsets (X, T) [	1:Luge,0-1-0], [13:Luge,0-1-0]		T		
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc	c) I/defl L/d	PLATES GRIP
TCLL Ÿ0.Ó	Plate Grip DOL 1.00	TC 0.36	Vert(LL) -0.17 11-1	ź >999 480	MT20 244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.59	Vert(CT) -0.23 11-1		
BCLL 0.0	Rep Stress Incr YES	WB 0.56	Horz(CT) 0.04	8 n/a n/a	
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH			Weight: 71 lb FT = 20%F, 11%E

LUMBER-

TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(flat)

2x4 SP No.3(flat) **WEBS** 

**BRACING-**TOP CHORD

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

end verticals.

**BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 15=767/0-7-8 (min. 0-1-8), 8=773/0-4-8 (min. 0-1-8)

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

TOP CHORD 15-16=-762/0, 1-16=-760/0, 1-2=-1038/0, 2-3=-2447/0, 3-4=-3029/0, 4-5=-2818/0, 5-6=-1811/0

**BOT CHORD** 13-14=0/1946, 12-13=0/2911, 11-12=0/3120, 10-11=0/3120, 9-10=0/2499, 8-9=0/1084

1-14=0/1182, 2-14=-1108/0, 2-13=0/611, 3-13=-567/0, 4-10=-363/0, 5-10=0/389, 5-9=-840/0, 6-9=0/888, 6-8=-1302/0 WEBS

- 1) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 2) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard





Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Mon Jun 2 23:18:27 2025 Page 1 ID:5fxLxLn?C6dWjia?SHK4thzkcYI-6sk?QYYNzjhykGcydbi3OPwoBm8\_iOv5gEYvdPzABLw

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

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

0-1-8 O-8-8 Scale = 1:23.7 1-3-0 0-7-12 0-8-8 HH

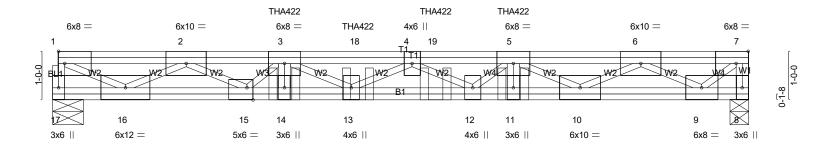


Plate Offsets (X,Y)	4-9-4 4-9-4 [7:0-3-0,Edge], [15:0-1-8,Edge]	+	9-5-12 4-8-8	+	14-3-12 4-10-0
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr NO Code IRC2021/TPI2014	CSI. TC 0.58 BC 0.94 WB 0.96 Matrix-SH	DEFL.         in (loc)           Vert(LL)         -0.29 12-13           Vert(CT)         -0.36 12-13           Horz(CT)         0.05	>471 360	PLATES GRIP MT20 244/190 Weight: 112 lb FT = 20%F, 11%E

BRACING-

TOP CHORD

**BOT CHORD** 

end verticals.

LUMBER-

TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(flat)

2x4 SP No.3(flat) \*Except\* WFBS W2: 2x4 SP No.2(flat)

REACTIONS. (lb/size) 17=1444/0-7-8 (min. 0-1-8), 8=1447/0-4-8 (min. 0-1-8)

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

TOP CHORD 1-17=-1420/0, 7-8=-1434/0, 1-2=-2401/0, 2-3=-6230/0, 3-18=-7839/0, 4-18=-7839/0,

4-19=-7715/0, 5-19=-7715/0, 5-6=-5453/0, 6-7=-1493/0

15-16=0/4497, 14-15=0/7313, 13-14=0/7314, 12-13=0/8289, 11-12=0/7252, 10-11=0/7255. **BOT CHORD** 

9-10=0/3697

3-13=0/602, 4-13=-525/0, 4-12=-669/0, 5-12=0/614, 5-10=-2063/0, 6-10=0/2048,

6-9=-2571/0, 7-9=0/2008, 1-16=0/2716, 2-16=-2445/0, 2-15=0/2022, 3-15=-1481/0

# NOTES-

**WEBS** 

- 1) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- CAUTION, Do not erect truss backwards.
- 3) Use Simpson Strong-Tie THA422 (6-16d Girder, 6-10d Truss) or equivalent spaced at 1-7-3 oc max. starting at 4-9-4 from the left end to 9-5-12 to connect truss(es) F1-24 (1 ply 2x4 SP), F1-23 (1 ply 2x4 SP), F1-22 (1 ply 2x4 SP) to back face of top chord.
- 4) Fill all nail holes where hanger is in contact with lumber.
- 5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

## LOAD CASE(S) Standard

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf)

Vert: 8-17=-10, 1-7=-100

Concentrated Loads (lb)

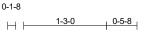
Vert: 3=-425(B) 5=-447(B) 18=-236(B) 19=-236(B)



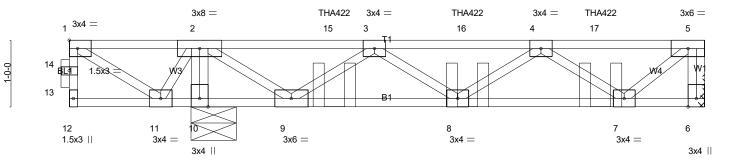
6/2/2025

Job Truss Truss Type Qtv LOT 0.0039 HONEYCUTT HILLS | 228 SHELBY MEADOW LANE ANGIER, NC 25-4772-F01 F1-22 Floor Girder # 59843 Job Reference (optional)

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Mon Jun 2 23:18:28 2025 Page 1 ID:5fxLxLn?C6dWjia?SHK4thzkcYI-b3lNduZ?k1qoMQB9BJDlxcT?EAf3RyjEvuHSArzABLv



0-11-8 Scale = 1:17.3



		-5-8 -4-8	5-11-8 2-6-0	8-5-8 2-6-0	9-8-0 1-2-8
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr NO Code IRC2021/TPI2014	CSI. TC 0.50 BC 0.24 WB 0.47 Matrix-SH	DEFL. in Vert(LL) -0.03 Vert(CT) -0.03 Horz(CT) 0.01	(loc) I/defl L/d 8 >999 480 8 >999 360 6 n/a n/a	PLATES GRIP MT20 244/190 Weight: 51 lb FT = 20%F, 11%E

BRACING-LUMBER-

TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(flat) 2x4 SP No.3(flat) WFBS

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.

(lb/size) 6=528/Mechanical, 10=1370/0-8-0 (min. 0-1-8) REACTIONS. Max Grav 6=547(LC 4), 10=1370(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. 5-6=-543/0, 1-2=0/623, 3-16=-994/0, 4-16=-994/0, 4-17=-517/0, 5-17=-517/0

TOP CHORD **BOT CHORD** 10-11=-902/0, 9-10=-871/0, 8-9=0/863, 7-8=0/1088

WEBS 2-10=-1320/0, 1-11=-749/0, 2-11=0/489, 2-9=0/990, 3-9=-929/0, 4-7=-697/0, 5-7=0/665

- 1) Unbalanced floor live loads have been considered for this design.
- Refer to girder(s) for truss to truss connections.
- 3) Load case(s) 1, 2, 3, 4, 5, 6 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 5) CAUTION, Do not erect truss backwards.
- 6) Use Simpson Strong-Tie THA422 (Single Chord Girder) or equivalent spaced at 2-0-0 oc max. starting at 4-1-4 from the left end to 8-1-4 to connect truss(es) F1-27 (1 ply 2x4 SP) to back face of top chord.
- 7) Fill all nail holes where hanger is in contact with lumber.
- 8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

## LOAD CASE(S) Standard

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 6-12=-10, 1-2=-190(F=-90), 2-5=-100

Concentrated Loads (lb)

Vert: 1=-264 15=-144(B) 16=-144(B) 17=-144(B)

2) Dead: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 6-12=-10, 1-2=-190(F=-90), 2-5=-100

Concentrated Loads (lb)

Vert: 1=-264 15=-144(B) 16=-144(B) 17=-144(B)

3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf)

Vert: 6-12=-10, 1-2=-190(F=-90), 2-5=-20

Continued on page 2



6/2/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS   228 SHELBY ME	ADOW LANE ANGIER, NC
25-4772-F01	F1-22	Floor Girder	1	1	Job Reference (optional)	# 59843

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LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 1=-264 15=-224(B) 16=-224(B) 17=-224(B)

4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf)

Vert: 6-12=-10, 1-2=-110(F=-90), 2-5=-100

Concentrated Loads (lb)

Vert: 1=-264 15=-144(B) 16=-144(B) 17=-144(B)

5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00

Vert: 6-12=-10, 1-2=-190(F=-90), 2-5=-20

Concentrated Loads (lb) Vert: 1=-264 15=-224(B) 16=-224(B) 17=-224(B)

6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf) Vert: 6-12=-10, 1-2=-110(F=-90), 2-5=-100

Concentrated Loads (lb) Vert: 1=-264 15=-144(B) 16=-144(B) 17=-144(B)

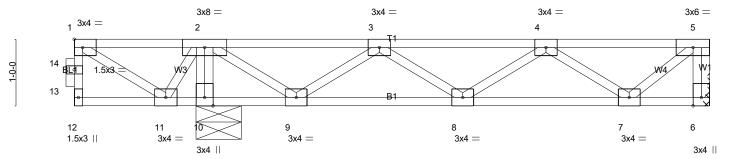


Job Truss Truss Type LOT 0.0039 HONEYCUTT HILLS | 228 SHELBY MEADOW LANE ANGIER, NC 25-4772-F01 F1-23 Floor Special # 59843 Job Reference (optional)

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0-11-8 Scale = 1:17.3



	2-1-0 1-6-0 1-11-8 1-6-0 1-5-8 0-1-8 1-4	1 1	8-5-8 2-6-0	9-8-0 1-2-8
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr NO Code IRC2021/TPI2014	CSI.         DEFL.         i           TC 0.35         Vert(LL) -0.0           BC 0.14         Vert(CT) -0.0           WB 0.31         Horz(CT) 0.0           Matrix-SH	2 8 >999 480 2 8 >999 360 0 6 n/a n/a	PLATES         GRIP           MT20         244/190           Weight: 51 lb         FT = 20%F, 11%E

BRACING-LUMBER-

TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(flat) 2x4 SP No.3(flat) WFBS

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.

(lb/size) 6=317/Mechanical, 10=976/0-8-0 (min. 0-1-8) REACTIONS. Max Grav 6=336(LC 4), 10=976(LC 1)

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

TOP CHORD 5-6=-332/0, 1-2=0/522, 2-3=0/501, 3-4=-546/145, 4-5=-297/2 **BOT CHORD** 10-11=-763/0, 9-10=-745/0, 8-9=-296/443, 7-8=-33/611

WEBS 2-10=-940/0, 1-11=-627/0, 2-11=0/423, 2-9=0/650, 3-9=-598/0, 4-7=-384/38, 5-7=-3/381

- 1) Unbalanced floor live loads have been considered for this design.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Load case(s) 1, 2, 3, 4, 5, 6 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- CAUTION, Do not erect truss backwards.

## LOAD CASE(S) Standard

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 6-12=-10, 1-5=-100

Concentrated Loads (lb)

Vert: 1=-264 2) Dead: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 6-12=-10, 1-5=-100

Concentrated Loads (lb)

Vert: 1=-264

3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf) Vert: 6-12=-10, 1-2=-100, 2-5=-20

Concentrated Loads (lb)

Vert: 1=-264

4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf)

Vert: 6-12=-10, 1-2=-20, 2-5=-100

Continued on page 2



6/2/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS   228 SHELBY	MEADOW LANE ANGIER, NC
25-4772-F01	F1-23	Floor Special	2	1	Job Reference (optional)	# 59843

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LOAD CASE(S) Standard

Concentrated Loads (lb) Vert: 1=-264

5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf)

Vert: 6-12=-10, 1-2=-100, 2-5=-20

Concentrated Loads (lb)

Vert: 1=-264

6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 6-12=-10, 1-2=-20, 2-5=-100

Concentrated Loads (lb)

Vert: 1=-264



Job Truss Truss Type Qtv LOT 0.0039 HONEYCUTT HILLS | 228 SHELBY MEADOW LANE ANGIER, NC 25-4772-F01 F1-24 Floor Girder # 59843 Job Reference (optional)

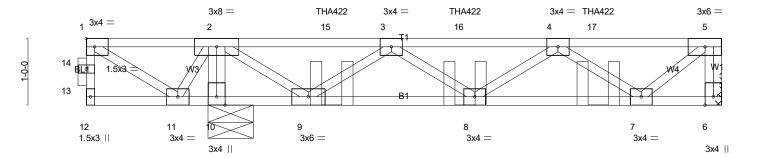
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0-1-8 1-3-0 0-5-8 H

0-11-8

Scale = 1:17.3

1-0-0



		5-8 4-8	5-11-8 2-6-0	8-5-8 2-6-0	9-8-0 1-2-8
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr NO Code IRC2021/TPI2014	CSI. TC 0.53 BC 0.24 WB 0.47 Matrix-SH	DEFL.         in           Vert(LL)         -0.03           Vert(CT)         -0.03           Horz(CT)         0.01	(loc) I/defl L/d 8 >999 480 8 >999 360 6 n/a n/a	PLATES GRIP MT20 244/190 Weight: 51 lb FT = 20%F, 11%E

BRACING-LUMBER-

TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(flat) 2x4 SP No.3(flat) WFBS

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.

REACTIONS. (lb/size) 6=506/Mechanical, 10=1382/0-8-0 (min. 0-1-8)

Max Grav 6=525(LC 4), 10=1382(LC 1)

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

TOP CHORD 5-6=-521/0, 1-2=0/616, 3-16=-984/0, 4-16=-984/0, 4-17=-508/0, 5-17=-508/0

**BOT CHORD** 10-11=-891/0, 9-10=-859/0, 8-9=0/862, 7-8=0/1068

WEBS 2-10=-1332/0, 1-11=-740/0, 2-11=0/483, 2-9=0/985, 3-9=-924/0, 4-7=-684/0, 5-7=0/653

- 1) Unbalanced floor live loads have been considered for this design.
- Refer to girder(s) for truss to truss connections.
- 3) Load case(s) 1, 2, 3, 4, 5, 6 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 5) CAUTION, Do not erect truss backwards.
- 6) Use Simpson Strong-Tie THA422 (Single Chord Girder) or equivalent spaced at 2-0-0 oc max. starting at 3-9-12 from the left end to 7-9-12 to connect truss(es) F1-25 (1 ply 2x4 SP) to front face of top chord.
- 7) Fill all nail holes where hanger is in contact with lumber.
- 8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

## LOAD CASE(S) Standard

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 6-12=-10, 1-2=-190, 2-5=-100

Concentrated Loads (lb)

Vert: 1=-264 15=-141(F) 16=-141(F) 17=-141(F)

2) Dead: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 6-12=-10, 1-2=-190, 2-5=-100

Concentrated Loads (lb)

Vert: 1=-264 15=-141(F) 16=-141(F) 17=-141(F)

3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 6-12=-10, 1-2=-190, 2-5=-20



6/2/2025

## Continued on page 2

Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS   228 SHELBY ME	EADOW LANE ANGIER, NC
25-4772-F01	F1-24	Floor Girder	1	1	Job Reference (optional)	# 59843

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LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 1=-264 15=-221(F) 16=-221(F) 17=-221(F)

4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf)

Vert: 6-12=-10, 1-2=-110, 2-5=-100

Concentrated Loads (lb)

Vert: 1=-264 15=-141(F) 16=-141(F) 17=-141(F)

5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00

Vert: 6-12=-10, 1-2=-190, 2-5=-20

Concentrated Loads (lb)

Vert: 1=-264 15=-221(F) 16=-221(F) 17=-221(F)

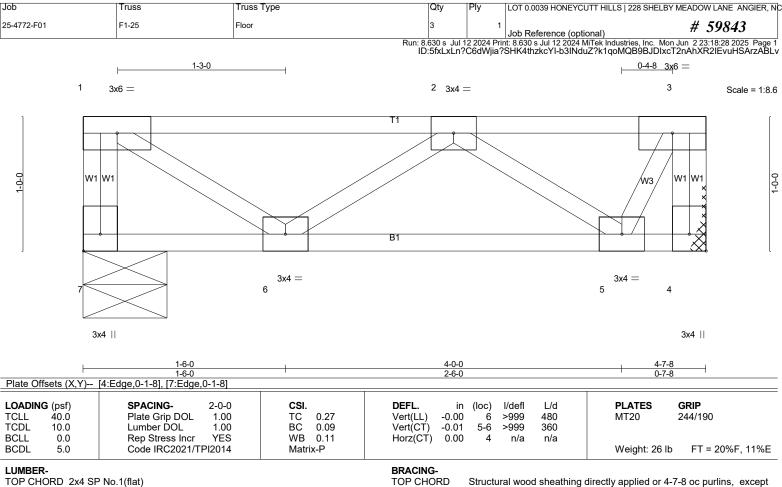
6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 6-12=-10, 1-2=-110, 2-5=-100

Concentrated Loads (lb) Vert: 1=-264 15=-141(F) 16=-141(F) 17=-141(F)





end verticals.

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

**BOT CHORD** 

TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(flat)

2x4 SP No.3(flat) **WEBS** 

**REACTIONS.** (lb/size) 7=241/0-7-8 (min. 0-1-8), 4=241/Mechanical

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

BOT CHORD 5-6=0/357 WEBS 2-5=-300/0

### NOTES-(3)

1) Refer to girder(s) for truss to truss connections.

2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard



Job Truss Truss Type LOT 0.0039 HONEYCUTT HILLS | 228 SHELBY MEADOW LANE ANGIER, NC F1-26 25-4772-F01 Floor Supported Gable # 59843 Job Reference (optional) Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Mon Jun 2 23:18:28 2025 Page 1 ID:5fxLxLn?C6dWjia?SHK4thzkcYI-b3INduZ?k1qoMQB9BJDIxcT68AimR3bEvuHSArzABLv 0-1-8 1 1.5x3 || 3 1.5x3 || 4 1.5x3 || 5 3x4 || 3x4 =Scale = 1:8.6 11 9 W1 W1 ST1 ST1 ST1 1.5x3 =10 9 8 7 6 3x4 || 1.5x3 || 1.5x3 || 3x4 =3x4 || Plate Offsets (X,Y)-- [2:0-1-8,Edge], [6:Edge,0-1-8], [8:0-1-8,Edge], [10:Edge,0-1-8] LOADING (psf) SPACING-2-0-0 CSI. DEFL. I/defl L/d **PLATES GRIP** TC BC TCLL Ÿ0.Ó Plate Grip DOL 1.00 0.06 Vert(LL) 999 MT20 244/190 n/a n/a **TCDL** 10.0 Lumber DOL 1.00 0.01 Vert(CT) n/a n/a 999 **BCLL** 0.0 Rep Stress Incr YES WB 0.03 Horz(CT) 0.00 6 n/a n/a **BCDL** 5.0 Code IRC2021/TPI2014 Matrix-P Weight: 23 lb FT = 20%F, 11%E

LUMBER-

TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(flat)

2x4 SP No.3(flat) WFBS 2x4 SP No.3(flat) **OTHERS** 

**BRACING-**

TOP CHORD Structural wood sheathing directly applied or 4-7-8 oc purlins, except

end verticals.

**BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 4-7-8.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 10, 6, 9, 8, 7

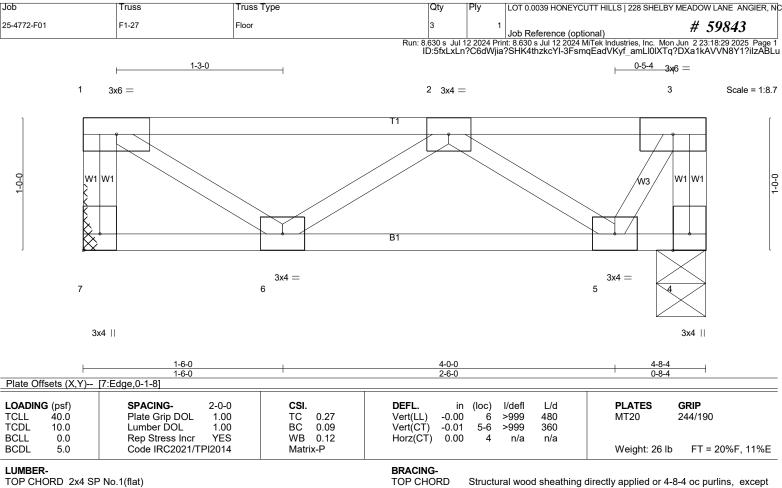
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

## NOTES-

- 1) Gable requires continuous bottom chord bearing.
- 2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 3) Gable studs spaced at 1-4-0 oc.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard





end verticals.

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

**BOT CHORD** 

TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(flat)

**WEBS** 

2x4 SP No.3(flat)

**REACTIONS.** (lb/size) 7=244/Mechanical, 4=244/0-4-8 (min. 0-1-8)

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

BOT CHORD 5-6=0/368 WEBS 2-5=-298/0

### NOTES-(3)

1) Refer to girder(s) for truss to truss connections.

2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard



25-4772-F01	F1-28	Floor Supported Gable	1 1	Job Reference (optional)		9843
		Run: 8. I	630 s Jul 12 2024 Pri D:5fxLxLn?C6dWji	nt: 8.630 s Jul 12 2024 MiTek Industries, Inc. a?SHK4thzkcYI-3FsmqEadVKyf_amLl0	. Mon Jun 223:18 DIXTq?Hta2?AW	3:29 2025 Page 1 rN8Y1?ilzABLu
1 3x4	I	2 3x4 = 3	1.5x3	4 1.5x3	5 3x4	Scale = 1:8.6
		T1	0	0		
00 W1 W	1	ST1 W2	ST1	ST1	W1 W1	1-0-0
		° B1				
						l
10		9 8		7	6	
3x4	II	1.5x3    3x	<b>x</b> 4 =	1.5x3	3x4	
<u> </u>		4-7-8 4-7-8				
Plate Offsets (X,Y) [1:	Edge,0-1-8], [2:0-1-8,Edge],	[6:Edge,0-1-8], [8:0-1-8,Edge], [10:Edge,0-1-	8]			

LUMBER-

LOADING (psf)

Ÿ0.Ó

10.0

0.0

5.0

TCLL

**TCDL** 

**BCLL** 

**BCDL** 

Job

Truss

Truss Type

TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(flat) WEBS 2x4 SP No.3(flat)

OTHERS 2x4 SP No.3(flat)

BRACING-

DEFL.

Vert(LL)

Vert(CT)

Horz(CT)

TOP CHORD Structural wood sheathing directly applied or 4-7-8 oc purlins, except

**PLATES** 

Weight: 24 lb

MT20

**GRIP** 

244/190

FT = 20%F, 11%E

LOT 0.0039 HONEYCUTT HILLS | 228 SHELBY MEADOW LANE ANGIER, NC

end verticals.

6

I/defl

n/a

n/a

n/a

in (loc)

n/a

n/a

-0.00

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

L/d

999

999

n/a

**REACTIONS.** All bearings 4-7-8.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 10, 6, 9, 8, 7

SPACING-

Plate Grip DOL

Rep Stress Incr

Code IRC2021/TPI2014

Lumber DOL

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

2-0-0

1.00

1.00

YES

## **NOTES-** (5)

- 1) Gable requires continuous bottom chord bearing.
- 2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 3) Gable studs spaced at 1-4-0 oc.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

CSI.

TC

ВС

WB 0.03

Matrix-P

0.06

0.01

LOAD CASE(S) Standard

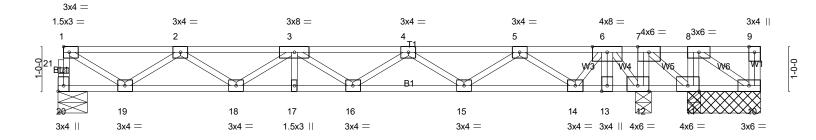




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0-1-8 1-3-0 ΗЬ

0-7-2 0-6-12 0-10-8 1-1-8



13-0-63-3-12 12-9-0 13-3-6 14-3-6 2<sub>7</sub>5<sub>7</sub>10<sub>1</sub>13<sub>7</sub>1<sub>7</sub>14 0-1-8 0-3-60-0-6 0-1-8 0-3-6 0-1-80-4-14 0-1-8 Off- -1- ()/ )/) 100 E I

Plate Offsets (X,Y)	[20:Eage,0-1-8]			
LOADING (psf)	SPACING- 1-4-0	CSI.	<b>DEFL.</b> in (loc) I/defl L/d	PLATES GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.43	Vert(LL) -0.05 17 >999 480	MT20 244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.28	Vert(CT) -0.08 16 >999 360	
BCLL 0.0	Rep Stress Incr NO	WB 0.65	Horz(CT) 0.01 12 n/a n/a	
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH	, ,	Weight: 85 lb FT = 20%F, 11%E

LUMBER-**BRACING-**

TOP CHORD 2x4 SP No.1(flat) TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except BOT CHORD 2x4 SP No.1(flat) end verticals.

2x4 SP No.3(flat) **BOT CHORD** Rigid ceiling directly applied or 6-0-0 oc bracing. WFBS

REACTIONS. (lb/size) 20=402/0-7-14 (min. 0-1-8), 10=-340/1-7-8 (min. 0-1-8), 11=-396/1-7-8 (min. 0-1-8), 11=-396/1-7-8 (min. 0-1-8), 12=2204/0-4-8 (min. 0-1-8)

Max Uplift10=-372(LC 3), 11=-476(LC 3), 11=-396(LC 1)

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

TOP CHORD 20-21=-399/0, 1-21=-398/0, 1-2=-523/0, 2-3=-1149/0, 3-4=-1222/0, 4-5=-764/0,

6-7=0/1685, 7-8=0/614

**BOT CHORD** 18-19=0/973 17-18=0/1311 16-17=0/1311 15-16=0/1116 14-15=0/391 13-14=-581/0

12-13=-581/0, 11-12=-1685/0, 10-11=-614/0

WFRS 8-11=-462/0, 7-12=-934/0, 7-11=0/1357, 8-10=0/728, 1-19=0/594, 2-19=-550/0,

4-15=-429/0, 5-15=0/455, 5-14=-730/0, 6-14=0/589, 6-12=-1622/0

### NOTES-(6-9)

- 1) Unbalanced floor live loads have been considered for this design.
- 2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 372 lb uplift at joint 10 and 476 lb uplift at
- 3) Load case(s) 1, 2, 3, 4, 5, 6 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 5) CAUTION, Do not erect truss backwards.
- 6) 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.
- 7) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural
- 8) 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.

  9) SEE BCSI-B3 SUMMARY SHFFT- PERMANENT PESTRAINO/PRACTICE CONTROLLED
- 9) 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

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf)

Vert: 10-20=-7, 1-9=-67

Continued on page 2

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS   228 SHELBY ME.	ADOW LANE ANGIER, NC
25-4772-F01	F1-29	Floor	1	1	Job Reference (optional)	# 59843

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LOAD CASE(S) Standard Concentrated Loads (lb)

Vert: 6=-735

2) Dead: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 10-20=-7, 1-9=-67

Concentrated Loads (lb)

Vert: 6=-735

3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 10-20=-7, 1-7=-67, 7-9=-13

Concentrated Loads (lb)

Vert: 6=-735

4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 10-20=-7, 1-7=-13, 7-9=-67

Concentrated Loads (lb)

Vert: 6=-735

5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 10-20=-7, 1-7=-67, 7-9=-13

Concentrated Loads (lb)

Vert: 6=-735

6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 10-20=-7, 1-7=-13, 7-9=-67

Concentrated Loads (lb)

Vert: 6=-735

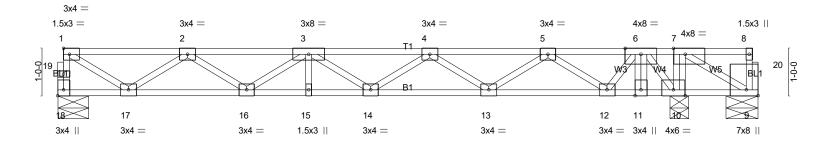




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0-1-8 1-3-0 HH

1-3-8 0<sub>7</sub>1<sub>7</sub>8 Scale = 1:24.4 0-7-2 0-6-12



13-0-6 12-9-0 12<sub>7</sub>5<sub>7</sub>10 13<sub>7</sub>1<sub>7</sub>1 0-1-8 0-3-6 0-3-6 0-1-8 -4- ()()() 

Plate Offsets (X,Y)	[7:0-3-0,Edge], [9:Edge,0-3-0], [18:E	age,0-1-8]		
LOADING (psf)	SPACING- 1-4-0	CSI.	DEFL. in (loc) I/defl L/d	PLATES GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.44	Vert(LL) -0.05 15 >999 480	MT20 244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.29	Vert(CT) -0.08 14 >999 360	
BCLL 0.0	Rep Stress Incr NO	WB 0.82	Horz(CT) 0.01 10 n/a n/a	
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH	, ,	Weight: 78 lb FT = 20%F, 11%E

LUMBER-**BRACING-**

TOP CHORD 2x4 SP No.1(flat) TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except BOT CHORD 2x4 SP No.1(flat) end verticals

2x4 SP No.3(flat) **BOT CHORD** Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size) 18=415/0-7-14 (min. 0-1-8), 9=-834/0-8-0 (min. 0-1-8), 10=2215/0-4-8 (min. 0-1-8)

Max Uplift9=-871(LC 3)

Max Grav 18=415(LC 3), 10=2215(LC 1)

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

TOP CHORD 18-19=-411/0, 1-19=-410/0, 1-2=-542/0, 2-3=-1204/0, 3-4=-1313/0, 4-5=-890/0,

6-7=0/1504

BOT CHORD 16-17=0/1010, 15-16=0/1383, 14-15=0/1383, 13-14=0/1224, 12-13=0/535, 11-12=-412/59,

10-11=-412/59, 9-10=-1504/0

WEBS 7-10=-980/0, 7-9=0/1728, 1-17=0/616, 2-17=-572/0, 4-13=-408/0, 5-13=0/434,

5-12=-710/0, 6-12=0/573, 6-10=-1608/0

## NOTES-

WFBS

- 1) Unbalanced floor live loads have been considered for this design.
- 2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 871 lb uplift at joint 9.
- 3) Load case(s) 1, 2, 3, 4, 5, 6 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 5) CAUTION, Do not erect truss backwards.
- 6) 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.
- 7) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural
- 8) 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.

  9) SEE BCSI-B3 SUMMARY SHFET- PERMANENT PESTRAING/PRACTICE CONTROLLED TO SHARE THE PESTRAING PEST
- 9) 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

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf)

Vert: 9-18=-7, 1-8=-67

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS   228 SHELBY MEADOW	LANE ANGIER, NC
25-4772-F01	F1-30	Floor	2		Job Reference (optional)	59843

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LOAD CASE(S) Standard

Concentrated Loads (lb) Vert: 6=-735

2) Dead: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 9-18=-7, 1-8=-67

Concentrated Loads (lb)

Vert: 6=-735

3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 9-18=-7, 1-7=-67, 7-8=-13

Concentrated Loads (lb)

Vert: 6=-735

4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 9-18=-7, 1-7=-13, 7-8=-67

Concentrated Loads (lb)

Vert: 6=-735

5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 9-18=-7, 1-7=-67, 7-8=-13

Concentrated Loads (lb)

Vert: 6=-735

6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf) Vert: 9-18=-7, 1-7=-13, 7-8=-67

Concentrated Loads (lb)

Vert: 6=-735





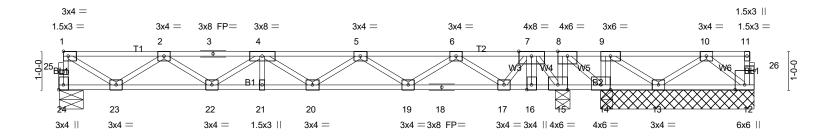
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0-1-8 1-3-0  $H \vdash$ 

0-7-2 0-6-12 0-10-8

0-0-6

0<sub>7</sub>1<sub>7</sub>8 Scale = 1:30.1 1-0-0



13-8-10 13-016-3-12 12-9-0 13-3-6 14-3-6 14-1-14 -14 0-1-8 12<sub>7</sub>5-1013-1-14 14 0-1-80-3-6 0-4-14 3-10-8 0-3-60-1-8 0-1-8

Plate Offsets (X,Y)	[24:Edge,0-1-8], [26:0-1-8,0-0-8]			
LOADING (psf)	SPACING- 1-4-0	CSI.	<b>DEFL.</b> in (loc) I/defl L/d	PLATES GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.42	Vert(LL) -0.05 21 >999 480	MT20 244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.27	Vert(CT) -0.08 20 >999 360	
BCLL 0.0	Rep Stress Incr NO	WB 0.60	Horz(CT) 0.01 15 n/a n/a	
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH	, ,	Weight: 96 lb FT = 20%F, 11%E

LUMBER-**BRACING-**

TOP CHORD 2x4 SP No.1(flat) TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except BOT CHORD 2x4 SP No.1(flat) end verticals. BOT CHORD WFBS

2x4 SP No.3(flat) Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. All bearings 4-0-0 except (jt=length) 24=0-7-14, 15=0-4-8.

(lb) - Max Uplift All uplift 100 lb or less at joint(s) 12 except 14=-517(LC 3), 14=-401(LC 1), 13=-129(LC 3) Max Grav All reactions 250 lb or less at joint(s) 13, 12 except 24=401(LC 1), 15=2117(LC 1)

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

24-25=-397/0, 1-25=-396/0, 1-2=-520/0, 2-3=-1142/0, 3-4=-1142/0, 4-5=-1209/0, TOP CHORD

5-6=-746/0, 7-8=0/1716, 8-9=0/728, 9-10=0/310

BOT CHORD 22-23=0/968, 21-22=0/1300, 20-21=0/1300, 19-20=0/1100, 18-19=0/371, 17-18=0/371,

16-17=-605/0, 15-16=-605/0, 14-15=-1716/0, 13-14=-728/0

9-14=-398/0, 8-15=-835/0, 8-14=0/1252, 9-13=0/513, 10-13=-328/0, 1-23=0/591, WEBS 2-23=-547/0, 5-19=-432/0, 6-19=0/459, 6-17=-733/0, 7-17=0/591, 7-15=-1634/0

## NOTES-

- 1) Unbalanced floor live loads have been considered for this design.
- 2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12 except (jt=lb) 14=517, 13=129.
- 3) Load case(s) 1, 2, 3, 4, 5, 6 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 5) CAUTION. Do not erect truss backwards.
- 6) 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.
- uesign or the truss to support the loads indicated.

  8) 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 9) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/RPACING OF CALCULATION AND ADDITIONAL PROPERTY.
- 9) 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

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf)

Vert: 12-24=-7, 1-11=-67

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS   228 SHELBY M	EADOW LANE ANGIER, NC
25-4772-F01	F1-31	Floor	1	1	Job Reference (optional)	# 59843

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LOAD CASE(S) Standard Concentrated Loads (lb)

Vert: 7=-735

2) Dead: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 12-24=-7, 1-11=-67

Concentrated Loads (lb)

Vert: 7=-735

3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 12-24=-7, 1-8=-67, 8-11=-13

Concentrated Loads (lb)

Vert: 7=-735

4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 12-24=-7, 1-8=-13, 8-11=-67

Concentrated Loads (lb)

Vert: 7=-735

5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 12-24=-7, 1-8=-67, 8-11=-13

Concentrated Loads (lb)

Vert: 7=-735

6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 12-24=-7, 1-8=-13, 8-11=-67

Concentrated Loads (lb)

Vert: 7=-735



Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS   228 SHELBY ME	EADOW LANE ANGIER, N
25-4772-F01	F1-32	Floor	5	1	Job Reference (optional)	# 59843

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0-1-8 1-3-0  $H \vdash$ 

0-7-2 0-6-12

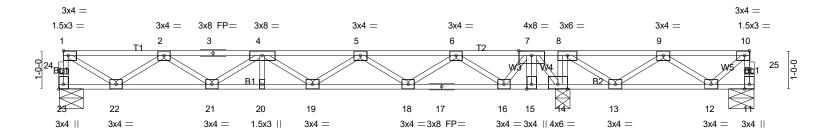
13-0-6

end verticals

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

Rigid ceiling directly applied or 6-0-0 oc bracing.

0-10-8 0<sub>7</sub>1-8 Scale = 1:30.1



12-9-0 12-5-10-13-1-14 0-1-80-3-6 0-3-60-1-8 Plate Offsets (X,Y)-- [10:0-1-8,Edge], [23:Edge,0-1-8] LOADING (psf) SPACING-CSI. **DEFL** I/defl L/d **PLATES GRIP** (loc) TCLL Ÿ0.Ó Plate Grip DOL 1.00 0.49 Vert(LL) -0.05 2Ó >999 480 MT20 244/190 TC TCDL 10.0 Lumber DOL 1.00 ВС 0.29 Vert(CT) -0.08 19 >999 360 **BCLL** 0.0 Rep Stress Incr NO WB 0.37 Horz(CT) 0.01 14 n/a n/a **BCDL** 5.0 Code IRC2021/TPI2014 Matrix-SH Weight: 94 lb FT = 20%F, 11%E

**BRACING-**

TOP CHORD

LUMBER-

TOP CHORD 2x4 SP No.1(flat)

BOT CHORD 2x4 SP No.1(flat) WFBS

2x4 SP No.3(flat) **BOT CHORD** 

REACTIONS. (lb/size) 23=407/0-7-14 (min. 0-1-8), 11=-125/0-8-0 (min. 0-1-8), 14=1757/0-4-8 (min. 0-1-8) Max Uplift11=-244(LC 3)

Max Grav 23=410(LC 3), 11=30(LC 4), 14=1757(LC 1)

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

TOP CHORD 23-24=-407/0, 1-24=-406/0, 1-2=-535/0, 2-3=-1185/0, 3-4=-1185/0, 4-5=-1281/0,

5-6=-846/0, 7-8=0/1598, 8-9=0/1106, 9-10=0/289

BOT CHORD 21-22=0/997, 20-21=0/1358, 19-20=0/1358, 18-19=0/1186, 17-18=0/484, 16-17=0/484,

15-16=-512/0, 14-15=-512/0, 13-14=-1598/0, 12-13=-675/0

WEBS 8-14=-530/0, 8-13=0/694, 9-13=-651/0, 9-12=0/471, 10-12=-372/0, 1-22=0/608, 2-22=-564/0, 5-18=-420/0, 6-18=0/446, 6-16=-725/0, 7-16=0/581, 7-14=-1638/0

NOTES-

- 1) Unbalanced floor live loads have been considered for this design.
- 2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (it=lb) 11=244.
- 3) Load case(s) 1, 2, 3, 4, 5, 6 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 5) CAUTION, Do not erect truss backwards.
- 6) 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.
- 7) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural
- uesign or the truss to support the loads indicated.

  8) 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. 9) 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

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf)

Vert: 11-23=-7, 1-10=-67

Continued on page 2

6/2/2025

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MORRELITATION OF THE PARTY OF T 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 N	MEADOW LANE ANGIER, NC
25-4772-F01	F1-32	Floor	5	1	Job Reference (optional)	# 59843

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Mon Jun 2 23:18:31 2025 Page 2 ID:5fxLxLn?C6dWjia?SHK4thzkcYI-?e\_WFvbt1yCNDtwksRn?YF5WbOg6eL?gbsW6mAzABLs

LOAD CASE(S) Standard Concentrated Loads (lb)

Vert: 7=-735

2) Dead: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 11-23=-7, 1-10=-67

Concentrated Loads (lb)

Vert: 7=-735

3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 11-23=-7, 1-8=-67, 8-10=-13

Concentrated Loads (lb)

Vert: 7=-735

4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 11-23=-7, 1-8=-13, 8-10=-67

Concentrated Loads (lb)

Vert: 7=-735

5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 11-23=-7, 1-8=-67, 8-10=-13

Concentrated Loads (lb)

Vert: 7=-735

6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 11-23=-7, 1-8=-13, 8-10=-67

Concentrated Loads (lb) Vert: 7=-735



Job	Truss	Truss Type	Qty	Ply	LOT 0.0039 HONEYCUTT HILLS   228 SHELBY N	MEADOW LANE ANGIER, N
25-4772-F01	F1-33	Floor Supported Gable	1	1	Job Reference (optional)	# 59843

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Mon Jun 2 23:18:31 2025 Page 1 ID:5fxLxLn?C6dWjia?SHK4thzkcYI-?e\_WFvbt1yCNDtwksRn?YF5dNOkTeQLgbsW6mAzABLs

0-1-8 0-1-8

Scale = 1:30.1

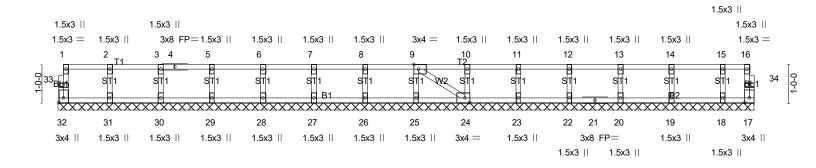


Plate Offsets (X,Y) [9:0-1-8,Edge], [24:0-1-8,Edge], [32:Edge,0-1-8]						
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.06 BC 0.01 WB 0.03 Matrix-SH	DEFL.         in (loc)         l/defl         L/d         PLAT           Vert(LL)         n/a         - n/a         999         MT20           Vert(CT)         n/a         - n/a         999         Horz(CT)         0.00         17         n/a         n/a         Weight			

18-1-14

LUMBER-BRACING-TOP CHORD

TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(flat) 2x4 SP No.3(flat) WFBS 2x4 SP No.3(flat) **OTHERS** 

end verticals. **BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. All bearings 18-1-14. (lb) - Max Grav All reactions 250 lb or less at joint(s) 32, 17, 31, 30, 29, 28, 27, 26, 25, 24, 23, 22, 20, 19, 18

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

### NOTES-(5-8)

- 1) Gable requires continuous bottom chord bearing.
- 2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 3) Gable studs spaced at 1-4-0 oc.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 5) 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.
- 6) 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.
- 7) 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.

  8) 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