# 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 #: 48864 JOB: 24-4324-F01

JOB NAME: LOT 0.0009 HONEYCUTT HILLS

Wind Code: N/A

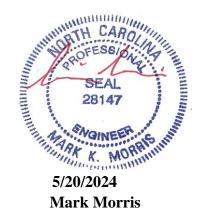
Wind Speed: Vult= N/A Exposure Category: N/A Mean Roof Height (feet): N/A

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

22 Truss Design(s)

# Trusses:

F1-01, F1-02, F1-03, F1-04, F1-05, F1-06, F1-07, F1-08, F1-08A, F1-09, F1-10, F1-11, F1-12, F1-12A, F1-13, F1-14, F1-15, F1-16, F1-17, F1-18, F1-19, F1-20



# 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

Job	Truss	Truss Type	Qty	Ply	LOT 0.0009 HONEYCUTT HILLS   177 SHELBY I	MEADOW LANE ANGIER, NO
24-4324-F01	F1-01	Floor Supported Gable	1	1	Job Reference (optional)	# 48864

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 $0_{1}$ 

Scale = 1:21.5

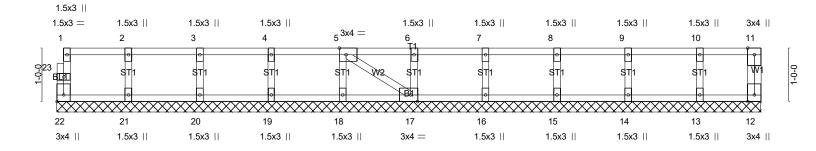


Plate Offsets (X,Y) [5:0-1-8,Edge], [17:0-1-8,Edge], [22:Edge,0-1-8]								
LOADING (psf) TCLL 40.0	SPACING-         2-0-0           Plate Grip DOL         1.00	CSI. TC 0.06	DEFL.         in (loc)         l/defl         L/d         PLATES         GRIP           Vert(LL)         n/a         -         n/a         999         MT20         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 - n/a 999 Horz(CT) 0.00 12 n/a n/a Weight: 55 lb FT = 20%F	<sup>=</sup> , 11%E				

13\_1\_12

LUMBER-

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-

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 13-1-12.

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

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

NOTES- (6)

- 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

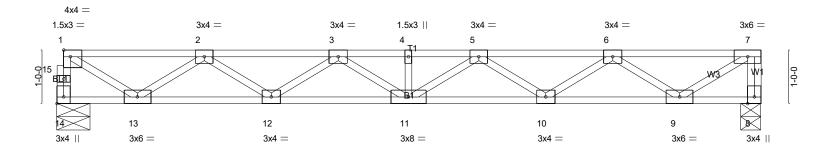




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0-1-8 1-3-0  $H \vdash$ 

1-3-4 Scale = 1:21.5



1-6-0 1-6-0	4-0-0 2-6-0		9-1-8 5-1-8		11-7-8 2-6-0	13-1-12 1-6-4
	[1:Edge,0-1-8], [14: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 NO Code IRC2021/TPI2014	CSI. TC 0.35 BC 0.54 WB 0.53 Matrix-SH	DEFL.         in (loc)           Vert(LL)         -0.12         11           Vert(CT)         -0.17         11           Horz(CT)         0.03         8	l/defl L/d >999 480 >937 360 n/a n/a	PLATES MT20 Weight: 66 It	<b>GRIP</b> 244/190 FT = 20%F, 11%E

**BRACING-**

LUMBER-

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

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

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) 14=703/0-7-8 (min. 0-1-8), 8=1259/0-4-8 (min. 0-1-8)

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

TOP CHORD 14-15=-698/0, 1-15=-696/0, 7-8=-1252/0, 1-2=-940/0, 2-3=-2158/0, 3-4=-2605/0, 4-5=-2605/0, 5-6=-2166/0,

6-7=-950/0

**BOT CHORD** 12-13=0/1759, 11-12=0/2521, 10-11=0/2523, 9-10=0/1772

1-13=0/1070, 2-13=-1000/0, 2-12=0/487, 3-12=-443/0, 5-10=-436/0, 6-10=0/481, 6-9=-1004/0, 7-9=0/1121 WEBS

#### NOTES-(4)

- 1) Load case(s) 1, 2 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss
- 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)

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

Uniform Loads (plf)

Vert: 8-14=-10, 1-7=-100

Concentrated Loads (lb) Vert: 7=-550

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

Uniform Loads (plf)

Vert: 8-14=-10, 1-7=-100

Concentrated Loads (lb)

Vert: 7=-550

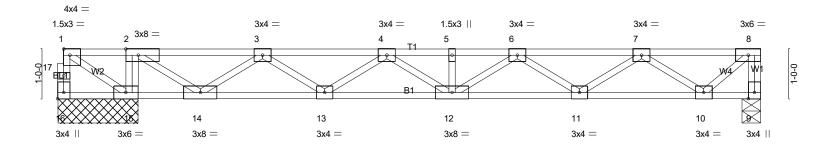


Job	Truss	Truss Type	Qty	Ply	LOT 0.0009 HONEYCUTT HILLS   177 SHELBY MI	EADOW LANE ANGIER, N
24-4324-F01	F1-03	Floor	1	1	Job Reference (optional)	# 48864

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0-1-8 1-1-8 1-3-0

Scale = 1:23.2



1-4-8 1-4-8	1-6-0 2-10-8 5-4-8 0-1-8 1-4-8 2-6-0		10-6-0 5-1-8	13-0-0 2-6-0 1-1-12
Plate Offsets (X,Y)	[1:Edge,0-1-8], [2:0-3-0,Edge], [16:Ed	lge,0-1-8]		
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	CSI. TC 0.59 BC 0.34 WB 0.58	Vert(LL) -0.07 12 >999 4 Vert(CT) -0.10 12 >999 3	L/d <b>PLATES GRIP</b> 480 MT20 244/190 360 n/a
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH	11012(01) 0.01 0 11/4	Weight: 73 lb FT = 20%F, 11%E

LUMBER-BRACING-

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 10-0-0 oc bracing, Except:

6-0-0 oc bracing: 15-16,14-15. REACTIONS. (lb/size) 16=-964/1-7-8 (min. 0-1-8), 9=575/0-4-8 (min. 0-1-8), 15=1911/1-7-8 (min. 0-1-8)

Max Uplift16=-1011(LC 4)

Max Grav 9=575(LC 4), 15=1911(LC 1)

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

16-17=0/1005, 1-17=0/1003, 8-9=-572/0, 1-2=0/1536, 2-3=0/514, 3-4=-954/0, 4-5=-1670/0, 5-6=-1670/0, 6-7=-1498/0, TOP CHORD

14-15=-1536/0, 13-14=0/413, 12-13=0/1456, 11-12=0/1734, 10-11=0/1227

2-15=-891/0, 1-15=-1760/0, 2-14=0/1213, 3-14=-1129/0, 3-13=0/663, 4-13=-615/0, 4-12=0/257, 6-11=-288/0, WFBS

7-11=0/332, 7-10=-809/0, 8-10=0/743

### NOTES-

**BOT CHORD** 

- 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 1011 lb uplift at joint 16.
- 3) This truss has large uplift reaction(s) from gravity load case(s). Proper connection is required to secure truss against upward movement at the bearings. Building designer must provide for uplift reactions indicated.
- 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

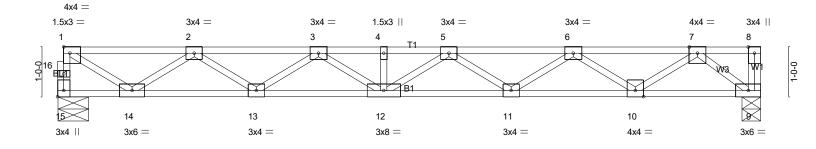


Job	Truss	Truss Type	Qty	Ply	LOT 0.0009 HONEYCUTT HILLS   177 SHELBY M	IEADOW LANE ANGIER, N
24-4324-F01	F1-04	Floor	8	1	Job Reference (optional)	# 48864

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

1-0-4 Scale = 1:23.2



⊢ 1-6-0 1-6-0	4-0-0 2-6-0	9-1-8 5-1-8		11-7-8 2-6-0	13-10-12 14-1-12 2-3-4 0-3-0
Plate Offsets (X,Y)	[1:Edge,0-1-8], [15:Edge,0-1-8]				
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	CSI. TC 0.30 BC 0.58 WB 0.56	DEFL.         in (loc)           Vert(LL)         -0.16         12           Vert(CT)         -0.22         11-12           Horz(CT)         0.04         9	I/defl L/d >999 480 >764 360 n/a n/a	PLATES         GRIP           MT20         244/190
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH	(-, )		Weight: 71 lb FT = 20%F, 11%E

**BRACING-**

TOP CHORD

LUMBER-

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

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

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=758/0-7-8 (min. 0-1-8), 9=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=-1026/0, 2-3=-2400/0, 3-4=-3005/0, 4-5=-3005/0, 5-6=-2721/0, 6-7=-1692/0

**BOT CHORD** 13-14=0/1923, 12-13=0/2841, 11-12=0/3013, 10-11=0/2396, 9-10=0/950 WEBS

1-14=0/1168, 2-14=-1095/0, 2-13=0/583, 3-13=-539/0, 5-11=-356/0, 6-11=0/398, 6-10=-859/0, 7-10=0/905,

7-9=-1196/0

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.

LOAD CASE(S) Standard

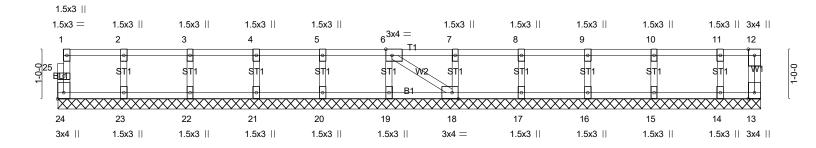


Job	Truss	Truss Type	Qty	Ply	LOT 0.0009 HONEYCUTT HILLS   177 SHELBY ME	EADOW LANE ANGIER,	, NC
24-4324-F01	F1-05	Floor Supported Gable	1	1	Job Reference (optional)	# 48864	

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0-1-8

Scale = 1:23.2



						17-1-12						
	14-1-12									'		
Dieta Offeets	/V V\	[C.O. 1. 0. Edga] [10.O. 1.	Cdaol [24.	Edac 0 1 01								
Plate Offsets	5 (A, T)	[6:0-1-8,Edge], [18:0-1-	o,⊏ugej, [∠4.i	Euge,∪-1-oj								
LOADING /-	-t\	CDACING	2.00	001		DEEL	:	(1)	1/-1	1 /-1	DLATEC	CDID
LOADING (p	SI)	SPACING-	2-0-0	CSI.		DEFL.	ın	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 40	0.0	Plate Grip DOL	1.00	TC	0.06	Vert(LL)	n/a	_	n/a	999	MT20	244/190
						\ /	,				111120	211/100
TCDL 10	0.0	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	13	n/a	n/a		
						11012(01)	0.00	13	II/a	II/a		
BCDL 5	5.0	Code IRC2021/T	PI2014	Matri	x-SH						Weight: 59 lb	FT = 20%F, 11%E
		1		1							1 3	

14-1-12

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 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.

- 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

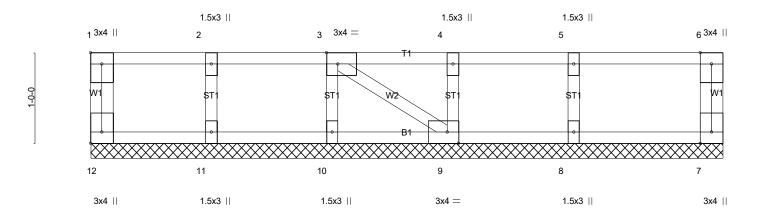


Job	Truss	Truss Type	Qty	Ply	LOT 0.0009 HONEYCUTT HILLS   177 SHELBY ME	EADOW LANE ANGIER,	NC
24-4324-F01	F1-06	GABLE	1	1	Job Reference (optional)	# 48864	

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Scale = 1:12.7

<u>-</u>0



<u> </u>	1-4-0 1-4-0	2-8	3-0 1-0	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	,Edge], [9:0-1	-8,Edge], [12:E	Edge,0-1-8]							
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IRC2021/I	2-0-0 1.00 1.00 YES FPI2014	BC 0	0.08 V 0.01 V 0.04 H	DEFL. /ert(LL) /ert(CT) lorz(CT)	in n/a n/a -0.00	(loc) - - 9	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 32 lb	<b>GRIP</b> 244/190 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.

- 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

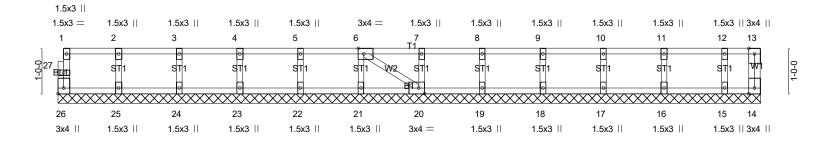


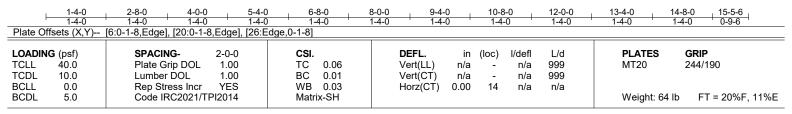
Job	Truss	Truss Type	Qty	Ply	LOT 0.0009 HONEYCUTT HILLS   177 SHELBY ME	EADOW LANE ANGIER, N	¢
24-4324-F01	F1-07	GABLE	1	1	Job Reference (optional)	# 48864	

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0\_1\_8

Scale = 1:25.3





LUMBER-

**OTHERS** 

TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(flat) WEBS 2x4 SP No.3(flat) 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 15-5-6.

2x4 SP No.3(flat)

(lb) - 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.

NOTES- (6)

- 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



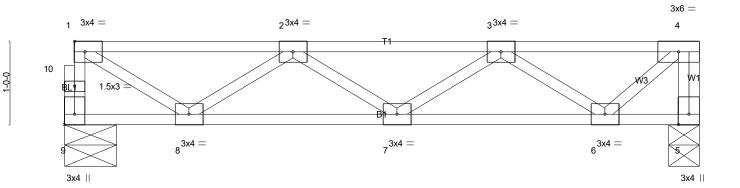
Job Truss Truss Type Qty Ply LOT 0.0009 HONEYCUTT HILLS | 177 SHELBY MEADOW LANE ANGIER, NO 24-4324-F01 F1-08 Floor 3 1 Job Reference (optional) # 48864

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0-1-8

0-10-10 Scale = 1:13.8

1-0-0



Dista Official (VVV)	1-6-0 1-6-0	4-0-0 2-6-0	6-6-0 2-6-0	7-7-10 1-1-10
Plate Offsets (X,Y)				
LOADING (psf) TCLL 40.0	SPACING- 1-4-0 Plate Grip DOL 1.00	CSI. TC 0.20	<b>DEFL.</b> in (loc) I/defl L/ Vert(LL) -0.01 7 >999 48	MT20 244/190
TCDL 10.0 BCLL 0.0	Lumber DOL 1.00 Rep Stress Incr NO	BC 0.13 WB 0.17	Vert(CT) -0.01 7 >999 36 Horz(CT) 0.00 5 n/a n/	a
BCDL 5.0	Code IRC2021/TPI2014	Matrix-P		Weight: 39 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)

WEBS 2x4 SP No.3(flat)

**REACTIONS.** (lb/size) 9=267/0-7-8 (min. 0-1-8), 5=821/0-4-6 (min. 0-1-8)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 9-10=-263/0, 1-10=-263/0, 4-5=-818/0, 1-2=-310/0, 2-3=-556/0

BOT CHORD 7-8=0/567, 6-7=0/520

WEBS 1-8=0/349, 2-8=-314/0, 3-6=-341/0, 4-6=0/318

NOTES- (4)

- 1) Load case(s) 1, 2 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- 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)

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

Vert: 5-9=-7, 1-4=-67 Concentrated Loads (lb)

Vert: 4=-550

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

Uniform Loads (plf)

Vert: 5-9=-7, 1-4=-67

Concentrated Loads (lb)

Vert: 4=-550



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

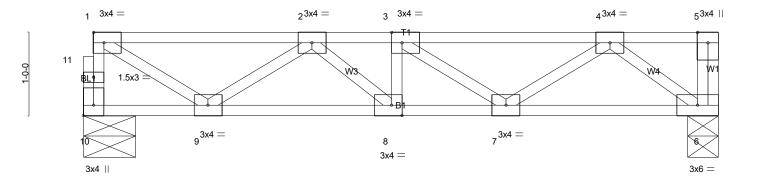
Rigid ceiling directly applied or 10-0-0 oc bracing.

Job Truss Truss Type LOT 0.0009 HONEYCUTT HILLS | 177 SHELBY MEADOW LANE ANGIER, NC Floor 24-4324-F01 F1-08A # 48864 Job Reference (optional)

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue May 21 14:06:02 2024 Page 1 ID:5fxLxLn?C6dWjia?SHK4thzkcYI-E0\_fQD3RW4vgsfA5SXh?kdXv5RdjHwaYCRcv8YzEGZp

0-0-

0-1-8 1-0-10 1-3-0 0-11-8 Scale = 1:13.8



<u> </u>	3-9-4 3-9-4		3-10-6	<del></del>
Plate Offsets (X,Y)	[3:0-1-8,Edge], [8:0-1-8,Edge], [10:Ed	lge,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 0.23	Vert(LL) -0.01 8 >999 480	MT20 244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.23	Vert(CT) -0.03 8 >999 360	
BCLL 0.0	Rep Stress Incr NO	WB 0.27	Horz(CT) 0.01 6 n/a n/a	
BCDL 5.0	Code IRC2021/TPI2014	Matrix-P		Weight: 40 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)

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

**REACTIONS.** (lb/size) 10=393/0-7-8 (min. 0-1-8), 6=794/0-4-6 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 10-11=-390/0, 1-11=-389/0, 5-6=-413/0, 1-2=-504/0, 2-3=-1116/0, 3-4=-814/0

**BOT CHORD** 8-9=0/936, 7-8=0/1116, 6-7=0/503

WEBS 1-9=0/572, 2-9=-527/0, 3-7=-363/0, 4-7=0/380, 4-6=-627/0

NOTES-

- 1) Load case(s) 1, 2 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss
- 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

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

Uniform Loads (plf)

Vert: 6-10=-7. 1-5=-67 Concentrated Loads (lb)

Vert: 5=-400 3=-250

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

Uniform Loads (plf)

Vert: 6-10=-7, 1-5=-67

Concentrated Loads (lb)

Vert: 5=-400 3=-250



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

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

5/20/2024

Job Truss Truss Type LOT 0.0009 HONEYCUTT HILLS | 177 SHELBY MEADOW LANE ANGIER, NC F1-09 24-4324-F01 Floor Supported Gable # 48864 Job Reference (optional)

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue May 21 14:06:03 2024 Page 1 ID:5fxLxLn?C6dWjia?SHK4thzkcYI-iCY1dZ43HO1XUplH?ECEGr47Vr0U0RbhR5MSg\_zEGZo

0-1-8

Scale = 1:13.2

1-0-0

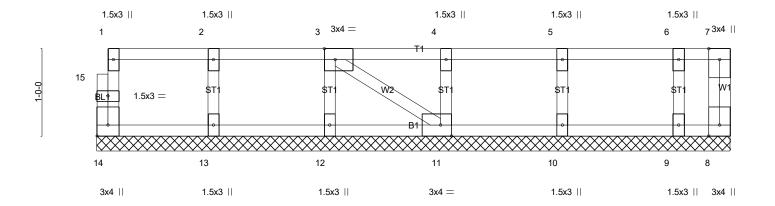


Plate Offsets (X,Y)-- [3:0-1-8,Edge], [11:0-1-8,Edge], [14:Edge,0-1-8]

LOADING (psf) TCLL 40.0 TCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00	CSI. TC 0.06 BC 0.01	<b>DEFL.</b> in (loc) I/defl L/d Vert(LL) n/a - n/a 999 Vert(CT) n/a - n/a 999	PLATES         GRIP           MT20         244/190
BCLL 0.0 BCDL 5.0	Rep Stress Incr YES Code IRC2021/TPI2014	WB 0.03 Matrix-P	Horz(CT) 0.00 8 n/a n/a	Weight: 33 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 **OTHERS** 

2x4 SP No.3(flat)

**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 7-3-2.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 14, 13, 12, 11, 10, 9

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

LOAD CASE(S) Standard



Job Truss Type Truss Qtv LOT 0.0009 HONEYCUTT HILLS | 177 SHELBY MEADOW LANE ANGIER, NC F1-10 Floor 24-4324-F01 # 48864 Job Reference (optional)

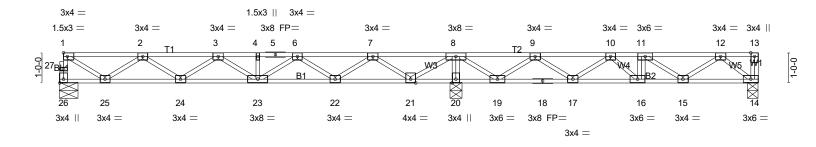
Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue May 21 14:06:03 2024 Page 1 ID:5fxLxLn?C6dWjia?SHK4thzkcYI-iCY1dZ43HO1XUpIH?ECEGr42srxS0KjhR5MSg\_zEGZo

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

1-4-8

0-10-12

Scale = 1:38.2



<u> </u>	13-1-8 13-1-8		+	19-3-4 6-1-12	23-1-12 3-10-8
Plate Offsets (X,Y)	26:Edge,0-1-8]				
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 NO Code IRC2021/TPI2014	CSI. TC 0.36 BC 0.33 WB 0.47 Matrix-SH	DEFL.         in           Vert(LL)         -0.06           Vert(CT)         -0.07           Horz(CT)         0.01	(loc) I/defl L/d 23 >999 480 23 >999 360 14 n/a n/a	PLATES GRIP MT20 244/190  Weight: 117 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) 26=362/0-7-8 (min. 0-1-8), 20=2027/0-4-8 (min. 0-1-8), 14=985/0-4-8 (min. 0-1-8) Max Grav 26=383(LC 3), 20=2027(LC 1), 14=1047(LC 4)

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

TOP CHORD 26-27=-380/0, 1-27=-379/0, 13-14=-559/0, 1-2=-493/0, 2-3=-1062/0, 3-4=-1110/0,

4-5=-1110/0, 5-6=-1110/0, 6-7=-568/239, 7-8=0/743, 8-9=0/797, 9-10=-966/0, 10-11=-1557/0, 11-12=-1078/0

24-25=0/918. 23-24=0/1183. 22-23=-89/932. 21-22=-416/178. 20-21=-1554/0. 19-20=-1564/0, 18-19=-362/546, 17-18=-362/546, 16-17=0/1357, 15-16=0/1557.

14-15=0/617  $8-20 = -1993/0, \ 1-25 = 0/560, \ 2-25 = -518/0, \ 6-22 = -483/0, \ 7-22 = 0/517, \ 7-21 = -826/0, \ 7-21$ 

8-21=0/939, 8-19=0/991, 9-19=-927/0, 9-17=0/625, 10-17=-588/0, 10-16=0/358,

11-15=-568/0, 12-15=0/562, 12-14=-782/0

NOTES-

**BOT CHORD** 

**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: 14-26=-7, 1-13=-67

Concentrated Loads (lb)

Vert: 13=-550 8=-800 11=-350

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

Uniform Loads (plf)

Vert: 14-26=-7, 1-13=-67

Concentrated Loads (lb)

Vert: 13=-550 8=-800 11=-350

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

Uniform Loads (plf)

Vert: 14-26=-7, 1-8=-67, 8-13=-13



5/20/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0009 HONEYCUTT HILLS   177 SHELBY N	MEADOW LANE ANGIER, NO
24-4324-F01	F1-10	Floor	5	1	Job Reference (optional)	# 48864

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#### LOAD CASE(S)

Concentrated Loads (lb)

Vert: 13=-550 8=-800 11=-350

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

Vert: 14-26=-7, 1-8=-13, 8-13=-67

Concentrated Loads (lb)

Vert: 13=-550 8=-800 11=-350

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

Uniform Loads (plf)

Vert: 14-26=-7, 1-8=-67, 8-13=-13

Concentrated Loads (lb)

Vert: 13=-550 8=-800 11=-350

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

Uniform Loads (plf)

Vert: 14-26=-7, 1-8=-13, 8-13=-67

Concentrated Loads (lb)

Vert: 13=-550 8=-800 11=-350



Job	Truss	Truss Type	Qty	Ply	LOT 0.0009 HONEYCUTT HILLS   177 SHELBY MEADOW LANE ANGIER, N	ρ
24-4324-F01	F1-11	Floor	3	1	Job Reference (optional) # 48864	ĺ

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1-4-8

0-9-4 Scale = 1:38.2

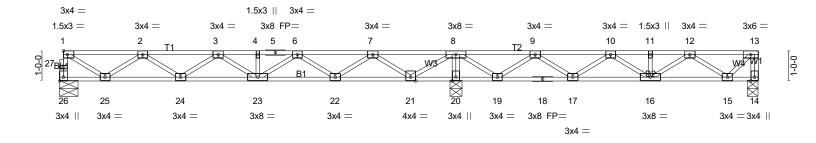


Plate Offsets (X,Y)	4-0-0 2-6-0 [26:Edge 0-1-8]	9-1-8 5-1-8	11-7-8 2-6-0	13-1-8 1-6-0	14-6-0	17-0-0 2-6-0		22-1-8 5-1-8	23-1-12 1-0-4
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IRC2021/TI	1-4-0 1.00 1.00 YES PI2014	CSI. TC 0.30 BC 0.25 WB 0.43 Matrix-SH	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc -0.06 2 -0.08 2 0.01 2	3 >999 3 >999	L/d 480 360 n/a	PLATES MT20 Weight: 116 lb	<b>GRIP</b> 244/190  FT = 20%F, 11%E

LUMBER-

TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(flat) WEBS 2x4 SP No.3(flat) 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) 26=380/0-7-8 (min. 0-1-8), 14=241/0-4-8 (min. 0-1-8), 20=1054/0-4-8 (min. 0-1-8)

Max Grav 26=400(LC 3), 14=303(LC 4), 20=1054(LC 1)

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

TOP CHORD 26-27=-397/0, 1-27=-396/0, 13-14=-302/0, 1-2=-520/0, 2-3=-1139/0, 3-4=-1237/0, 4-5=-1237/0, 5-6=-1237/0,

6-7=-746/61, 7-8=0/515, 8-9=0/778, 9-10=-542/384, 10-11=-694/115, 11-12=-694/115

BOT CHORD 24-25=0/969, 23-24=0/1284, 22-23=0/1084, 21-22=-213/381, 20-21=-1301/0, 19-20=-1307/0, 18-19=-566/341,

17-18=-566/341, 16-17=-229/717, 15-16=-38/575

WEBS 8-20=-1026/0, 1-25=0/591, 2-25=-548/0, 6-22=-453/0, 7-22=0/486, 7-21=-795/0, 8-21=0/910, 8-19=0/707, 9-19=-655/0,

9-17=0/357, 10-17=-325/0, 12-15=-399/37, 13-15=-10/347

#### 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

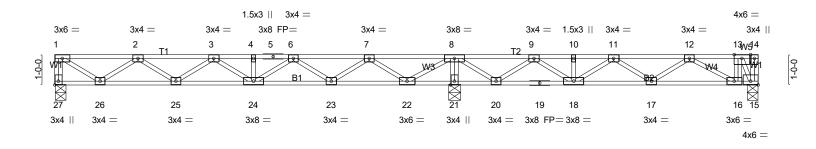


Job Truss Type Truss Qtv LOT 0.0009 HONEYCUTT HILLS | 177 SHELBY MEADOW LANE ANGIER, NC Floor 24-4324-F01 F1-12 # 48864 Job Reference (optional)

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1-5-12 0<sub>7</sub>3<sub>7</sub>8 1-5-4

Scale = 1:38.0



13-2-4 13-2-4					22-6-8 23-2-8 9-4-4 0-8-0			
Plate Offsets (X,Y)	[15:Edge,0-1-8], [27:Edge,0-1-8]							
LOADING (psf)	SPACING- 1-4-0	CSI.	DEFL.	in (loc)	l/defl L/d	PLATES	GRIP	
TCLL 40.0	Plate Grip DOL 1.00	TC 0.37	\ /	-0.06 24	>999 480	MT20	244/190	
TCDL 10.0 BCLL 0.0	Lumber DOL 1.00 Rep Stress Incr NO	BC 0.27 WB 0.45	( - )	-0.08 24 0.01 15	>999 360 n/a n/a			
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH	Horz(CT)	0.01 15	11/a 11/a	Weight: 119	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. (lb/size) 27=379/0-4-8 (min. 0-1-8), 21=1121/0-4-8 (min. 0-1-8), 15=1049/0-4-8 (min. 0-1-8) Max Grav 27=400(LC 3), 21=1121(LC 1), 15=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=-511/0, 2-3=-1117/0, 3-4=-1201/0, 4-5=-1201/0, 5-6=-1201/0, 6-7=-695/127, 7-8=0/582, 8-9=0/802, 9-10=-718/224, 10-11=-718/224, 11-12=-978/0,

12-13=-672/0

25-26=0/956. 24-25=0/1254. 23-24=0/1040. 22-23=-288/324. 21-22=-1409/0. 20-21=-1417/0.

19-20=-513/394, 18-19=-513/394, 17-18=0/960, 16-17=0/968, 15-16=0/672 8-21=-1092/0, 1-26=0/605, 2-26=-544/0, 6-23=-462/0, 7-23=0/494, 7-22=-805/0,

8-22=0/949, 13-15=-1277/0, 8-20=0/805, 9-20=-745/0, 9-18=0/514, 11-18=-399/0,

12-16=-338/154

#### NOTES-(5)

BOT CHORD

WFBS

- 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
- 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)

1-3-0

Vert: 15-27=-7, 1-14=-67

Concentrated Loads (lb)

Vert: 13=-865 2) Dead: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 15-27=-7, 1-14=-67

Concentrated Loads (lb)

Vert: 13=-865

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

Uniform Loads (plf)

Vert: 15-27=-7, 1-8=-67, 8-14=-13



5/20/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0009 HONEYCUTT HILLS   177 SHELBY N	IEADOW LANE ANGIER, NO
24-4324-F01	F1-12	Floor	2	1	Job Reference (optional)	# 48864

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#### LOAD CASE(S)

Concentrated Loads (lb) Vert: 13=-865

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

Vert: 15-27=-7, 1-8=-13, 8-14=-67

Concentrated Loads (lb)

Vert: 13=-865

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

Uniform Loads (plf)

Vert: 15-27=-7, 1-8=-67, 8-14=-13

Concentrated Loads (lb)

Vert: 13=-865

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

Uniform Loads (plf)

Vert: 15-27=-7, 1-8=-13, 8-14=-67

Concentrated Loads (lb) Vert: 13=-865

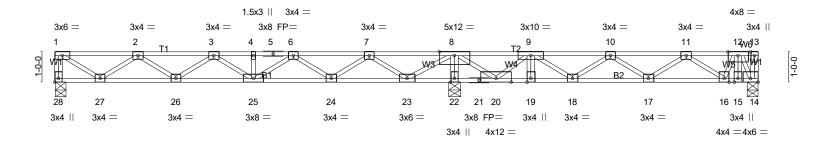
SEAL 28147

WONEEL & MORRISHING

Job Truss Type Truss Qtv LOT 0.0009 HONEYCUTT HILLS | 177 SHELBY MEADOW LANE ANGIER, NC Floor 24-4324-F01 F1-12A # 48864 Job Reference (optional)

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue May 21 14:06:05 2024 Page 1 ID:5fxLxLn?C6dWjia?SHK4thzkcYI-ebgn2F6Jp?HFj6ug7fEiLG9MYfbZUCm\_uPrZktzEGZm

0-3-8 0-4-0 Scale = 1:38.0 1-0-4 1-3-0 1-5-4



		14-5-6 15-8-8		
1	13-2-4	13-3-12   15-7-0	22-6-8	23-2-8
	13-2-4	0-1-8 1-1-10	6-10-0	10-8-01
		1-1-10 0-1-8		

Plate Offsets (X,Y)-	[14:Edge,0-1-8]	, [28:Edge,0-1-8]
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LOADING	G (psf)	SPACING- 1-4-0	CSI.	DEFL. in (loc) I/defl L/d	PLATES GRIP
TCLL	40.0	Plate Grip DOL 1.00	TC 0.47	Vert(LL) -0.06 25 >999 480	MT20 244/190
TCDL	10.0	Lumber DOL 1.00	BC 0.42	Vert(CT) -0.08 17-18 >999 360	
BCLL	0.0	Rep Stress Incr NO	WB 0.63	Horz(CT) 0.01 14 n/a n/a	
BCDL	5.0	Code IRC2021/TPI2014	Matrix-SH		Weight: 120 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) \*Except\* **BOT CHORD** Rigid ceiling directly applied or 6-0-0 oc bracing. WFBS W2: 2x4 SP No.2(flat)

REACTIONS. (lb/size) 28=330/0-4-8 (min. 0-1-8), 22=1942/0-4-8 (min. 0-1-8), 14=1227/0-4-8 (min. 0-1-8)

Max Grav 28=351(LC 3), 22=1942(LC 1), 14=1289(LC 4)

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

1-28=-346/0, 1-2=-434/0, 2-3=-902/42, 3-4=-842/255, 4-5=-842/255, 5-6=-842/255 TOP CHORD

6-7=-194/624, 7-8=0/1222, 8-9=-341/330, 9-10=-1904/0, 10-11=-1689/0, 11-12=-967/0 **BOT CHORD** 26-27=0/810, 25-26=-126/969, 24-25=-420/609, 23-24=-856/0, 22-23=-2123/0,

21-22=-2138/0, 20-21=-2138/0, 19-20=0/1851, 18-19=0/1851, 17-18=0/1922, 16-17=0/1435,

15-16=0/773 14-15=0/773

**WEBS** 8-22=-1894/0, 1-27=0/515, 2-27=-459/3, 6-25=0/314, 6-24=-546/0, 7-24=0/581,

7-23=-891/0, 8-23=0/1034, 8-20=0/2227, 9-20=-1984/0, 10-17=-284/0, 11-17=0/310,

11-16=-571/0, 12-16=0/419, 12-14=-1466/0

# 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)

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

Uniform Loads (plf)

Vert: 14-28=-7, 1-13=-67

Concentrated Loads (lb) Vert: 9=-950 12=-865

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

Uniform Loads (plf)

Vert: 14-28=-7, 1-13=-67

Concentrated Loads (lb)

Vert: 9=-950 12=-865

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

Uniform Loads (plf)

Vert: 14-28=-7, 1-8=-67, 8-13=-13



5/20/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0009 HONEYCUTT HILLS   177 SHELBY N	MEADOW LANE ANGIER, NC
24-4324-F01	F1-12A	Floor	7	1	Job Reference (optional)	# 48864

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#### LOAD CASE(S)

Concentrated Loads (lb) Vert: 9=-950 12=-865

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

Uniform Loads (plf)

Vert: 14-28=-7, 1-8=-13, 8-13=-67

Concentrated Loads (lb)

Vert: 9=-950 12=-865

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

Uniform Loads (plf)

Vert: 14-28=-7, 1-8=-67, 8-13=-13

Concentrated Loads (lb)

Vert: 9=-950 12=-865

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

Uniform Loads (plf)

Vert: 14-28=-7, 1-8=-13, 8-13=-67

Concentrated Loads (lb)

Vert: 9=-950 12=-865

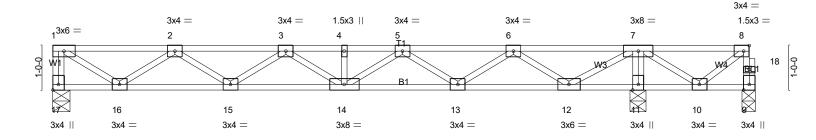


Job Truss Truss Type Qtv LOT 0.0009 HONEYCUTT HILLS | 177 SHELBY MEADOW LANE ANGIER, NC F1-13 24-4324-F01 Floor # 48864 Job Reference (optional)

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1-0-0 0-1-8 1-5-4

Scale = 1:26.0



<u> </u>	15-9-12 2-7-8						
Plate Offsets (X,Y)	13-2-4 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	CSI. TC 0.30 BC 0.24 WB 0.44	DEFL.         in (loc)         I/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	<b>PLATES GRIP</b> MT20 244/190			
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH	11012(01) 0.01 11 11/4 11/4	Weight: 80 lb FT = 20%F, 11%E			

LUMBER-

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

1-3-0

**BRACING-**

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

end verticals

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

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)

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.

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, TOP CHORD

7-8=0/540

**BOT CHORD** 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, 7-12=0/932, 7-10=0/777, 8-10=-661/0 **WEBS** 

#### 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



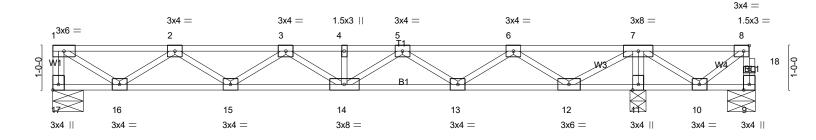
5/20/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0009 HONEYCUTT HILLS   177 SHELBY N	MEADOW LANE ANGIER, N
24-4324-F01	F1-14	Floor	4	1	Job Reference (optional)	# 48864

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue May 21 14:06:05 2024 Page 1 ID:5fxLxLn?C6dWjia?SHK4thzkcYI-ebgn2F6Jp?HFj6ug7fEiLG9PHfeGUFf\_uPrZktzEGZm

1-3-0 <u>1-5-4</u> <u>1-0-0</u> 0<sub>-1</sub>1<sub>7</sub>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	13-2-4 1-6-12	14-6-12 15-9-12 1-4-8 1-3-0
Plate Offsets (X,Y)	[8:0-1-8,Edge], [17:Edge,0-1-8]				
LOADING (psf) TCLL 40.0	SPACING- 1-4-0 Plate Grip DOL 1.00	CSI. DEFL. TC 0.30 Vert(LI	in (loc) I/defl .) -0.05 14 >999	L/d 480	<b>PLATES GRIP</b> MT20 244/190
TCDL 10.0 BCLL 0.0	Lumber DOL 1.00 Rep Stress Incr YES	BC 0.24 Vert(C WB 0.44 Horz(C	,	360 n/a	
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) BOT CHORD 2x4 SP No.1(flat) TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except

end verticals.

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

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

BOT CHORD 15-16=0/943, 14-15=0/1229, 13-14=0/1002, 12-13=0/272, 11-12=-1189/0, 10-11=-1196/0

WEBS 7-11=-1065/0, 1-16=0/597, 2-16=-536/0, 5-13=-435/0, 6-13=0/468, 6-12=-791/0, 7-12=0/932, 7-10=0/777, 8-10=-661/0

#### NOTES- (5)

- 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



Job	Truss	Truss Type	Qty	Ply	LOT 0.0009 HONEYCUTT HILLS   177 SHELBY MEADOW LANE ANGIER, I	1C
24-4324-F01	F1-15	Floor	1	1	Job Reference (optional) # 48864	

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1-4-8

1-0-0 0-1-8 Scale = 1:26.0

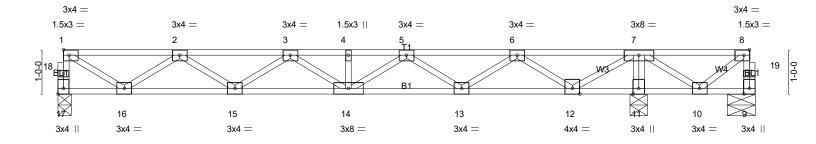


Plate Offsets (X V) [	8:0-1-8,Edge], [17:Edge,0-1-8]	13-1-8 13-1-8		15-9-0 2-7-8
LOADING (psf) TCLL 40.0 TCDL 10.0	SPACING-         1-4-0           Plate Grip DOL         1.00           Lumber DOL         1.00	CSI. TC 0.29 BC 0.24	DEFL. in (loc) I/defl L/d Vert(LL) -0.05 14 >999 480 Vert(CT) -0.07 14 >999 360	PLATES GRIP MT20 244/190
BCLL 0.0 BCDL 5.0	Rep Stress Incr YES Code IRC2021/TPI2014	WB 0.43 Matrix-SH	Horz(CT) 0.01 11 n/a n/a	Weight: 80 lb FT = 20%F, 11%E

LUMBER-

TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(flat) WEBS 2x4 SP No.3(flat) 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) 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/Ó, 1-16=0/571, 2-16=-529/O, 5-13=-439/O, 6-13=0/472, 6-12=-791/O, 7-12=0/904, 7-10=0/768, 8-10=-654/O

#### NOTES- (5)

- 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

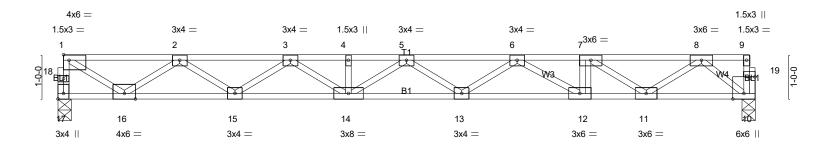


Job	Truss	Truss Type	Qty	Ply	LOT 0.0009 HONEYCUTT HILLS   177 SHELBY MI	EADOW LANE ANGIE	R, NC
24-4324-F01	F1-16	Floor	1	1	Job Reference (optional)	# 48864	

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		15-9-0 3-10-0								
Plate Offsets (X,Y) [1:Edge,0-1-8], [17:Edge,0-1-8], [19:0-1-8,0-0-8]										
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 0.48 BC 0.73 WB 0.63 Matrix-SH	DEFL.         in (loc)         l/defl         L/d           Vert(LL)         -0.24 13-14         >771         480           Vert(CT)         -0.33 13-14         >559         360           Horz(CT)         0.06         10         n/a         n/a	PLATES GRIP MT20 244/190  Weight: 80 lb FT = 20%F, 11%E						

**BRACING-**

LUMBER-

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

2x4 SP No.3(flat)

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) 17=846/0-3-8 (min. 0-1-8), 10=846/0-3-8 (min. 0-1-8)

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

TOP CHORD 17-18=-841/0, 1-18=-839/0, 1-2=-1163/0, 2-3=-2788/0, 3-4=-3647/0, 4-5=-3647/0, 5-6=-3616/0, 6-7=-2781/0,

15-16=0/2186, 14-15=0/3355, 13-14=0/3798, 12-13=0/3395, 11-12=0/2781, 10-11=0/1026 **BOT CHORD** 

7-12=0/366, 1-16=0/1326, 2-16=-1248/0, 2-15=0/736, 3-15=-691/0, 3-14=0/351, 6-13=0/270, 6-12=-706/0, WEBS

7-11=-1070/0, 8-11=0/1039, 8-10=-1319/0

#### NOTES-(3)

- 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



Job	Truss	Truss Type	Qty	Ply	LOT 0.0009 HONEYCUTT HILLS   177 SHELBY ME	EADOW LANE ANGIER, N
24-4324-F01	F1-17	Floor	5	1	Job Reference (optional)	# 48864

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0-6-8 0<sub>7</sub>1<sub>7</sub>8 Scale = 1:20.4

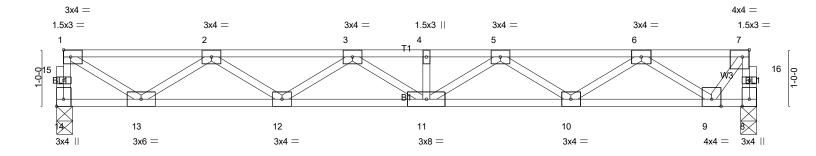


Plate Off	eate (X V)	[7:0-1-8,Edge], [14:Edge,0-1-8	1		12-5-0						
- rate On	3013 (A, I )	[7:0-1-0,Luge], [14.Luge,0-1-0	<u> </u>								
LOADING	(psf)	SPACING- 2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL 1.00	TC	0.29	Vert(LL)	-0.10	11	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL 1.00	BC	0.45	Vert(CT)	-0.13	11	>999	360		
BCLL	0.0	Rep Stress Incr YES	WB	0.48	Horz(CT)	0.03	8	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014	. Matri:	x-SH	, ,					Weight: 63 lb	FT = 20%F, 11%E

**BRACING-**

TOP CHORD

**BOT CHORD** 

end verticals

12-5-0

LUMBER-

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

2x4 SP No.3(flat) **WEBS REACTIONS.** (lb/size) 14=663/0-3-8 (min. 0-1-8), 8=663/0-3-8 (min. 0-1-8)

TOP CHORD 14-15=-658/0, 1-15=-656/0, 8-16=-665/0, 7-16=-664/0, 1-2=-877/0, 2-3=-1982/0, 3-4=-2309/0, 4-5=-2309/0, 5-6=-1747/0, 6-7=-459/0 **BOT CHORD** 12-13=0/1639, 11-12=0/2288, 10-11=0/2179, 9-10=0/1280

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

1-13=0/998, 2-13=-930/0, 2-12=0/418, 3-12=-374/0, 5-10=-527/0, 6-10=0/570, 6-9=-1003/0, 7-9=0/724 WEBS

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.

LOAD CASE(S) Standard



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

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

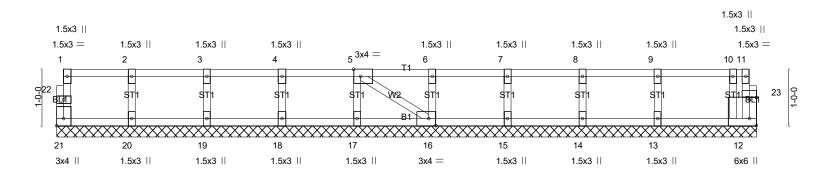


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0\_1\_8

Scale = 1:20.4

0<sub>1</sub>1<sub>7</sub>8



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	9-4-0		0-8-0 -4-0	12-0-0 1-4-0 1-5-0
Plate Offsets (X,Y)	[5:0-1-8,Edge], [12:Edge,	0-1-8], [16:0-1-	8,Edge], [21:Edg	ge,0-1-8], [23:0-1-8,0-	0-8]				
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IRC2021/TPI	2-0-0 1.00 1.00 YES  2014	CSI. TC 0.06 BC 0.01 WB 0.03 Matrix-SH	DEFL. Vert(LL) Vert(CT) Horz(CT)	n/a n/a	- n/a ! - n/a !	L/d 999 999 n/a	PLATES MT20 Weight: 53	<b>GRIP</b> 244/190 lb FT = 20%F, 11%E

LUMBER-

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) 2x4 SP No.3(flat) 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 12-5-0.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 21, 12, 20, 19, 18, 17, 16, 15, 14, 13

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

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.

LOAD CASE(S) Standard

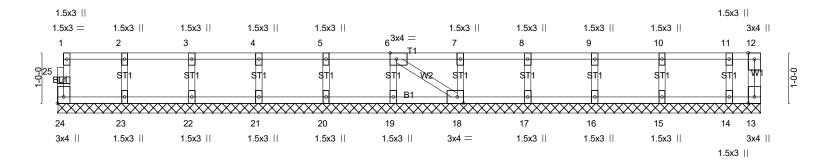


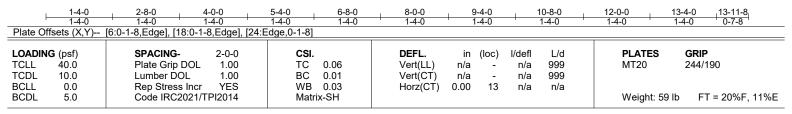
Job	Truss	Truss Type	Qty	Ply	LOT 0.0009 HONEYCUTT HILLS   177 SHELBY ME	ADOW LANE ANG	SIER, NO
24-4324-F01	F1-19	GABLE	2	1	Job Reference (optional)	# 48864	

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0\_1\_8

Scale = 1:22.9





LUMBER-

**OTHERS** 

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

2x4 SP No.3(flat)

(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)

- 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

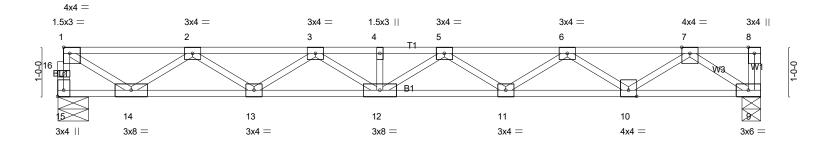


Job	Truss	Truss Type	Qty	Ply	LOT 0.0009 HONEYCUTT HILLS   177 SHELBY ME	EADOW LANE ANG	IER, N
24-4324-F01	F1-20	Floor	8	1	Job Reference (optional)	# 48864	

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue May 21 14:06:07 2024 Page 1 ID:5fxLxLn?C6dWjia?SHK4thzkcYI-b\_oYTx7aLcXzzQ22E4HARhFkeSE9y7FHMjKgplzEGZk

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

1-2-4 Scale = 1:23.5



⊢ 1-6-0 1-6-0	4-0-0 2-6-0	9-1-8 5-1-8	11-7-8 2-6-0	14-0-12 14-3-12 2-5-4 0-3-0
Plate Offsets (X,Y)	[1:Edge,0-1-8], [15:Edge,0-1-8]			
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	CSI.         DEFI           TC 0.30         Vert(           BC 0.60         Vert(           WB 0.56         Horz	(LL) -0.17 11-12 >999 480 (CT) -0.23 11-12 >736 360	<b>PLATES GRIP</b> MT20 244/190
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH	(C1) 0.04 9 11/a 11/a	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) **WEBS** 

**REACTIONS.** (lb/size) 15=767/0-7-8 (min. 0-1-8), 9=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=-1040/0, 2-3=-2440/0, 3-4=-3072/0, 4-5=-3072/0, 5-6=-2815/0, 6-7=-1812/0

**BOT CHORD** 13-14=0/1950, 12-13=0/2895, 11-12=0/3094, 10-11=0/2502, 9-10=0/1083

WEBS 1-14=0/1185, 2-14=-1111/0, 2-13=0/599, 3-13=-554/0, 5-11=-340/0, 6-11=0/381, 6-10=-843/0, 7-10=0/890,

7-9=-1301/0

### 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.

LOAD CASE(S) Standard



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

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

5/20/2024