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

AST #: 39817 JOB: 23-4638-F01 JOB NAME: LOT 0.0045 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. 14 Truss Design(s)

Trusses:

F1-01, F1-02, F1-03, F1-04, F1-05, F1-06, F1-07, F1-08, F1-10, F1-11, F1-12, F1-14, F1-15, F1-16



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

Job	Truss	Truss Type	Qty	Ply LOT 0.0045 HONEYC	UTT HILLS 114 SHELBY MEA	DOW LANE ANGIER, NC
23-4638-F01	F1-01	GABLE	1	1	ional) #	<i>t 39817</i>
			Run: 8.430 s Feb	12 2021 Print: 8.430 s Feb 12 202 neXTIMiyG.L CysCYm-1a3Un:	101141) 11 MiTek Industries, Inc. Fri Jul 31d.14ilReRGv5uY_CBuE1M	7 11:01:48 2023 Page 1
0 ₁ 1 ₇ 8			1D.10201W202Q			
						Coolo - 1:21 0
						Scale = 1.21.9
1.5x3						
1.5x3 = 1.5x3	3 1.5x3	1.5x3 1.5x3	$6^{3x4} = 7^{1.5x}$	3 1.5x3 8	1.5x3 1.5x3	3x4
				8		
	SIT	sin sin			Sin Sin	
	20		17 16			12
3x4 1.5x3	3 1.5x3	1.5x3 1.5x3	1.5x3 3x4 =	= 1.5x3	1.5x3 1.5x3	3x4
<u> </u>	<u>2-8-0</u> <u>4-0-0</u> 1-4-0 1-4-0	<u>5-4-0 6-8-0</u> 1-4-0 1-4-0	8-0-0	<u>9-4-0</u> <u>10-8-0</u> 1-4-0 1-4-0	12-0-0	13-4-6
Plate Offsets (X,Y) [6:0	-1-8,Edge], [16:0-1-8,Edge	, [22:Edge,0-1-8]				
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in	(loc) l/defl L/d	PLATES GR	IP
TCDL 40.0	Lumber DOL 1.00	BC 0.06	Vert(LL) n/a Vert(CT) n/a	- n/a 999 - n/a 999	M120 244	_r /190
BCLL 0.0 BCDI 5.0	Rep Stress Incr YES Code IRC2021/TPI2014	WB 0.03 Matrix-SH	Horz(CT) 0.00	12 n/a n/a	Weight: 59 lb	FT = 20%F 11%F
			DDACING			
TOP CHORD 2x4 SP No	.1(flat)		TOP CHORD	Structural wood sheathing	directly applied or 6-0-0 c	oc purlins, except
BOT CHORD 2x4 SP No WEBS 2x4 SP No	o.1(flat) o.3(flat)		BOT CHORD	end verticals. Rigid ceiling directly applie	d or 10-0-0 oc bracing.	
OTHERS 2x4 SP No	.3(flat)				g.	
REACTIONS. All bearing	ngs 13-4-6.					
(lb) - Max Grav	All reactions 250 lb or less	s at joint(s) 22, 12, 21, 20, 19, 18,	, 17, 16, 15, 14, 13			

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

NOTES-(6)

Gable requires continuous bottom chord bearing.
 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



7/5/2023



ļ	<u>5-8-3</u> 5-8-3	6-8-3 1-0-0	8 7-8-3 0 1-0-0	13- 5-	-4-6 8-3
Plate Offsets (X,Y)	[4:0-1-8,Edge], [5:0-1-8,Edge], [9:Edg	e,0-1-8], [16:Edge,0-3-0]			
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING-2-0-0Plate Grip DOL1.00Lumber DOL1.00Rep Stress IncrYESCode IRC2021/TPI2014	CSI. TC 0.31 BC 0.62 WB 0.41 Matrix-SH	DEFL. ir Vert(LL) -0.11 Vert(CT) -0.14 Horz(CT) 0.03	n (loc) l/defl L/d 11-12 >999 480 11-12 >999 360 9 n/a n/a	PLATES MT20 GRIP 244/190 Weight: 69 lb FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF WEBS 2x4 SF	2 No.1(flat) 2 No.1(flat) 2 No.3(flat)		BRACING- TOP CHORD BOT CHORD	Structural wood sheathing d end verticals. Rigid ceiling directly applied	irectly applied or 6-0-0 oc purlins, except or 10-0-0 oc bracing.

REACTIONS. (lb/size) 16=715/0-3-8 (min. 0-1-8), 9=721/0-5-4 (min. 0-1-8)

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

TOP CHORD 2-3=-987/0, 3-4=-1937/0, 4-5=-2244/0, 5-6=-1937/0, 6-7=-987/0

BOT CHORD 15-16=0/326, 14-15=0/1621, 13-14=0/2244, 12-13=0/2244, 11-12=0/2244, 10-11=0/1621, 9-10=0/326

WEBS 4-14=-524/0, 3-14=0/437, 3-15=-825/0, 2-15=0/861, 2-16=-864/0, 5-11=-524/0, 6-11=0/437, 6-10=-825/0, 7-10=0/861,

7-9=-851/0

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.

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REACTIONS. All bearings 8-4-8.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 15, 9, 14, 13, 12, 11, 10

FORCES. (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) 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

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7/5/2023



REACTIONS. (lb/size) 8=252/0-3-8 (min. 0-1-8), 5=258/0-5-4 (min. 0-1-8)

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

TOP CHORD 1-2=-263/0, 2-3=-263/0 BOT CHORD 6-7=0/263, 5-6=0/263 WEBS 1-7=0/326, 3-5=-339/0

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.

CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



7/5/2023

Job	Truss	Truss Type	Qty	Ply LOT 0.0	0045 HONEYCUTT HILL	S 114 SHELBY MEADOW LANE ANGIER, NO
23-4638-F01	F1-05	GABLE	1	1	oforonco (ontional)	# 39817
0 ₁ 1 ₀ 8			Run: 8.430 s Feb ID:fcZ0KwZoZQ	12 2021 Print: 8.43 meXTIMivGJ_Cys	os Feb 12 2021 MiTek I sCYm-FzAECkmtrhzT	ndustries, Inc. Fri Jul 7 11:01:50 2023 Page 1 gxbf0Ww04dGEpq2BkFnLzTafA7z_UmV Scale = 1:27.2
$1.5x3 \\ 1.5x3 = 1.5x3 \\ 1 2 \\ 31 \\ 31 \\ 30 \\ 30 \\ 29 \\ 3x4 \\ 1.5x3 \\ 3x4 \\ 1.5x3 \\ 3x4 \\$	1.5x3 1.5x3 3: T1 4 4 ST1 ST1 ST1 ST1 28 27 1.5x3 1.5x3	$ 1.5x3 \\8 FP = 1.5x3 \\5 6 7 \\ $	3x4 = 1.5x3 8 9 511 02 511 24 23 1.5x3 3x4 =	1.5x3 10 T2 ST 1 ST 1 C 22 1.5x3	1.5x3 1.5x3 11 12 ST1 ST1 ST1 ST1 C 0 ST1 ST1 ST1 ST1 C 0 ST1	1.5x3 1.5x3 3x4 13 14 15 ST1 ST1 W1 B2 18 17 16 1.5x3 3x4 1.5x3 3x4 1.5x3
1-4-0 1-4-0 Plate Offsets (X V) 18	2-8-0 4-0-0 1-4-0 1-4-0	5-4-0 6-8-0 8-0-0 1-4-0 1-4-0 1-4-0 el [30:Edge 0-1-8]) 9-4-0 10-8) 1-4-0 1-4	8-0 <u>12-0-0</u> -0 1-4-0	13-4-0	<u>14-8-0</u> <u>16-0-0</u> <u>16-6-8</u> <u>1-4-0</u> <u>1-4-0</u> <u>0-6-8</u>
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0 Plate Grip DOL 1.0 Lumber DOL 1.0 Rep Stress Incr YE Code IRC2021/TPI207	0 CSI. 0 TC 0.06 0 BC 0.01 S WB 0.03 4 Matrix-SH	DEFL. in Vert(LL) n/a Vert(CT) n/a Horz(CT) 0.00	(loc) l/defl - n/a - n/a 16 n/a	L/d 999 999 n/a	PLATES GRIP MT20 244/190 Weight: 73 lb FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SP N BOT CHORD 2x4 SP N WEBS 2x4 SP N OTHERS 2x4 SP N	No.1(flat) No.1(flat) No.3(flat) No.3(flat)	I	BRACING- TOP CHORD BOT CHORD	Structural wood end verticals. Rigid ceiling di	d sheathing directly rectly applied or 10-	applied or 6-0-0 oc purlins, except -0-0 oc bracing.
REACTIONS. All bea (lb) - Max Upl Max Gra	rings 16-6-8. ift All uplift 100 lb or less a w All reactions 250 lb or le	: joint(s) 16 ss at joint(s) 30, 16, 29, 28, 27,	26, 25, 24, 23, 22, 21, 1	9, 18, 17		

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

NOTES- (7)

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) 16.

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.

LOAD CASE(S) Standard



Job		Truss		Truss Type			Qt	y Ply	LOT 0.0045	HONEYCUTT H	ILLS 114 SHE	ELBY MEADOW	LANE ANGIE	R, NC
23-4638-F01		F1-06		Floor Support	ed Gable		1		1 Job Refere	ence (optional)		# 3	9817	
							Run: 8.430 ID:fcZ0Kv) s Feb 12 2021 vZoZQmeXTII	l Print: 8.430 s F MivGJ_CysCY	eb 12 2021 MiTe m-FzAECkmtr	ek Industries, Ir hzTgxbf0Ww	nc. Fri Jul 7 11:0 04dGDfq2AkF)1:50 2023 Pa kLzTafA7z_	ige 1 UmV
													Scale = 1:	28.5
3x4	1.5x3	1.5x3 3>	1.5x3 k8 FP=	1.5x3	1.5x3	3x4 =	1.5x3	1.5x3	1.5x3	1.5x3	1.5x3	1.5x3	3x4	
	2 ST1 ST1	3 ST1 XXXXXX	4 5 ▼ 0 ST1 0 XXXXXX	6 ST1 F	7 ST1 B1 XXXXX	8 STI WS	9 2 ST1 2 XXXXX	10 ST1	11 ST1	12 ST1	13 ST1	14 ST1 B2 0 XXXXXX	15 W1	1-2-0
30 3x4	29 1.5x3	28 1.5x3	27 1.5x3	26 1.5x3	25 1.5x3	24 1.5x3	23 3x4 =	22 1.5x3	21 1.5x3	20 19 3x8 1.5x3	18 FP= 1.5x3	17 1.5x3	16 3x4	

	17-5-0											
						17-5-6						1
Plate 0	Offsets (X,Y)	[1:Edge,0-1-8], [8:0-1-8,I	Edge], [23:0-1-8	8,Edge], [30):Edge,0-1-8	8]						
LOADI TCLL TCDL BCLL BCDL	NG (psf) 40.0 10.0 0.0 5.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IRC2021/TF	2-0-0 1.00 1.00 YES Pl2014	CSI. TC 0 BC 0 WB 0 Matrix-	0.07 0.01 0.03 -SH	DEFL. Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - 23	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 76 lb	GRIP 244/190 FT = 20%F, 11%E
LUMBE TOP C BOT C WEBS OTHE	ER- HORD 2x4 SF HORD 2x4 SF 2x4 SF RS 2x4 SF	 No.1(flat) No.1(flat) No.3(flat) No.3(flat) No.3(flat) 				BRACING- TOP CHOF BOT CHOF	RD RD	Structu end ve Rigid c	ral wooc rticals. eiling dir	l sheathing c rectly applied	lirectly applied or 10- l or 10-0-0 oc bracing	-0-0 oc purlins, except g.

. . . .

REACTIONS. All bearings 17-5-6.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 30, 16, 29, 28, 27, 26, 25, 24, 23, 22, 21, 20, 18, 17

FORCES. (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) 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



7/5/2023



8-13=0/561, 8-11=-867/0, 9-11=0/973

NOTES- (3)

- 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.

LOAD CASE(S) Standard





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

BOT CHORD

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

REACTIONS. (lb/size) 9=204/0-7-8 (min. 0-1-8), 5=204/0-5-4 (min. 0-1-8)

FORCES. (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) or less except when shown. WEBS 3-5=-387/0

NOTES-(3)

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.

LOAD CASE(S) Standard



7/5/2023



REACTIONS. All bearings 7-1-8.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 13, 8, 12, 11, 10, 9

FORCES. (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) 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

SEAL 28147

7/5/2023

Job	Truss	Truss Type	Qty	Ply	LOT 0.0045 HONEYCUTT	HILLS 114 SHELBY MEADOW LANE ANGIER, NO
23-4638-F01	F1-11	GABLE	1	1	Job Reference (optiona	# 39817
			Run: 8.430 ID:fcZ0KwZc	s Feb ¹ 12 2021 F ZQmeXTIMivG	rint. 8.430 s Feb 12 2021 Mi J_CysCYm-gYsNqmpm	Tek Industries, Inc. Fri Jul 7 11:01:53 2023 Page 1 BcL1XPKDieTjhGuk024uxcWngRpJnSz_UmS 0 ₁ 1-8 Scale = 1:28.1
3x4 1.5x3 1 2 1 VI ST1 VI ST1	1.5x3 3x8 FP= 1.5x3 3 4 5 5 5 5 5 5 7 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7	1.5x3 3x4 = 6 7 ST1 ST1 V2 B B1	1.5x3 1.5x3 8 9 T ST1 ST1 ST1 ST1	1.5x3 2 10 ST1	1.5x3 1.5x3 11 12 ST1 ST1 ST1 ST1	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
30 29 3x4 1.5x3	28 27 1.5x3 1.5x3 3-0 . 4-0-0 . 5-4-	26 25 1.5x3 1.5x3 0 . 6-8-0 . 8-0-1	24 23 3x4 = 1.5x3 0 . 9-4-0 . 10	22 1.5x3 .8-0 . 12-6	21 20 1.5x3 3 1.5x3 1.5x3	19 18 17 16 x8 FP= 1.5x3 3x4 1.5x3 1.5x3
1-4-0 1-4 Plate Offsets (X,Y) [1:E	4-0 1-4-0 1-4- dge,0-1-8], [7:0-1-8,Edge],	0 1-4-0 1-4-0 [24:0-1-8,Edge], [30:Edge]	0 1-4-0 1 e,0-1-8]	4-0 1-4	-0 1-4-0	1-4-0 1-4-0 1-1-2
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. Vert(LL) Vert(CT) Horz(CT)	in (loc) n/a - n/a - 0.00 16	l/defl L/d n/a 999 n/a 999 n/a n/a	PLATES GRIP MT20 244/190 Weight: 74 lb FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SP No BOT CHORD 2x4 SP No WEBS 2x4 SP No OTHERS 2x4 SP No	.1(flat) .1(flat) .3(flat) .3(flat)	I	BRACING- TOP CHOR BOT CHOR	D Structur end ver D Rigid ce	ral wood sheathing dire ticals. iling directly applied o	ectly applied or 6-0-0 oc purlins,except r 10-0-0 oc bracing.

REACTIONS. All bearings 17-1-2.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 30, 16, 29, 28, 27, 26, 25, 24, 23, 22, 21, 20, 18, 17

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

NOTES-(6)

Gable requires continuous bottom chord bearing.
 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



7/5/2023



Plate Offsets (X,Y)	[1:Edge,0-1-8], [7:0-1-8,Edge], [8:0-1-	-8,Edge]			
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 0.37 BC 0.79 WB 0.36 Matrix-SH	DEFL. in Vert(LL) -0.20 Vert(CT) -0.20 Horz(CT) 0.00	n (loc) l/defl L/d 0 17-18 >999 480 8 17-18 >745 360 4 12 n/a n/a	PLATES GRIP MT20 244/190 Weight: 89 lb FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SI BOT CHORD 2x4 SI WEBS 2x4 SI	- - No.1(flat) - No.1(flat) - No.3(flat)		BRACING- TOP CHORD BOT CHORD	Structural wood sheathing o end verticals. Rigid ceiling directly applied	lirectly applied or 6-0-0 oc purlins, except

REACTIONS. (lb/size) 21=634/0-5-4 (min. 0-1-8), 12=629/0-3-8 (min. 0-1-8)

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

TOP CHORD 2-3=-1067/0, 3-4=-2040/0, 4-5=-2040/0, 5-6=-2040/0, 6-7=-2516/0, 7-8=-2578/0, 8-9=-2226/0, 9-10=-1436/0

BOT CHORD 20-21=0/478, 19-20=0/1635, 18-19=0/2392, 17-18=0/2578, 16-17=0/2578, 15-16=0/2578, 14-15=0/1926, 12-13=0/916

WEBS 7-18=-306/127, 6-18=0/266, 6-19=-450/0, 3-19=0/517, 3-20=-739/0, 2-20=0/766, 8-15=-558/0, 9-15=0/421, 9-13=-639/0, 10-13=0/677, 10-12=-1085/0, 2-21=-797/0

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



7/5/2023

Job	Truss	Truss Type	Qty	Ply	LOT 0.0045 HONEYCUTT	HILLS 114 SHELB	Y MEADOW LANE ANGIER, NC
23-4638-F01	F1-14	Floor	4		1	al)	# 39817
			Run: 8.430 s Fet) 12 2021 AXTIMiv(Print: 8.430 s Feb 12 2021 M	iTek Industries, Inc. [Fri Jul 7 11:01:54 2023 Page 1
0-1-8				07(111111)		VIG2VQIE:yEIN	
⊣ 1-3-0 1-	2-3 2-0-0	1-1-9	1-4-4	2-0	I-0		1-6-0 0-1-8
111 1	11 1 1	ļ	1 1	I	I		Scale = 1:38.1
2:4							1.5-2.11
3x4 = 1 5x3 =	$3x4 \equiv 3x4 \equiv$	4x8 = 3x8 FP = 3x4 =	3x4 = 15	x3	$3x4 \equiv$	3x4 ==	3x4 = 1.5x3 =
1	2 _ 3	4 5 6	7 8		9	10	11 12
	FI R		R			R.	
	V3		105		B2		
			bi Lo			<u> </u>	
26 25	24 23 22	21 20 19 1	8 1	7	16 15	14	13
3x4 3x4 =	= 1.5x3 1.5x3 3x4	4 = 3x4 4x6 = 3x8 FP = 3x8	4 = 3x4	4 =	1.5x3 3x4 =	3x4 =	6x6
2.0.11	4-11-3	7-5-4		15.0.0	16.0.0	22.44.0	
2-9-11	1-0-0 1-0-0 1-2-4	1-2-4 0-1-8 6-7-4		15-0-8	1-0-0	6-10-8	
Plate Offsets (X,Y) [2:0-1-8,Edge], [3:0-1-8,Edge],	[9:0-1-8,Edge], [17:0-1-8,Edge], [2	6:Edge,0-1-8]				
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 0.51	Vert(LL) -0.17	15-16	>999 480	MT20	244/190
BCLL 0.0	Rep Stress Incr YES	WB 0.61	Horz(CT) -0.23	15-16	>788 360 n/a n/a		
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH				Weight: 113	lb FT = 20%F, 11%E
LUMBER-			BRACING-				
TOP CHORD 2x4 SP BOT CHORD 2x4 SP	No.1(flat) No.1(flat)		TOP CHORD	Structu end ve	ural wood sheathing dir erticals.	ectly applied or 6	-0-0 oc purlins, except
WEBS 2x4 SP	No.3(flat)		BOT CHORD	Rigid c	eiling directly applied o	vr 6-0-0 oc bracin	g.
REACTIONS. (Ib/size) 26=266/0-3-8 (min. 0-1-8),	21=1438/0-5-4 (min. 0-1-8), 13=7	76/0-3-8 (min. 0-1-	-8)			
Max Up Max G	olift26=-14(LC 4)	1) 13-780/1 (7)		,			
Max G	av 20-355(LC 5), 21-1456(LC	(LC 7)					
FORCES. (lb) - Max.	Comp./Max. Ten All forces 2 =-352/6_1-27=-352/6_1-2=-32	250 (lb) or less except when shown 1/59 2-3=-543/246 3-4=-108/602	4-5=-317/0				
5-6=-(317/0, 6-7=-1767/0, 7-8=-2709	/0, 8-9=-2709/0, 9-10=-2537/0, 10-	11=-1730/0				
BOT CHORD 24-25 19-20	=-246/543, 23-24=-246/543, 2 =0/1218, 18-19=0/1218, 17-18	2-23=-246/543, 21-22=-1013/0, 20- ==0/2306, 16-17=0/2709, 15-16=0/2	·21=-1009/0, 2709, 14-15=0/2303	3.			
13-14 WERS 9.17-	=0/1125	5/202 2 25- 200/242 2 22- 706/0	4 22-0/507				
4-20=	0/1275, 6-20=-1184/0, 6-18=0	/755, 7-18=-752/0, 7-17=0/705, 9-1	5=-388/47,				
10-15	=0/359, 10-14=-746/0, 11-14=	0/787, 11-13=-1333/0					
NOTES- (5)							
 Unbalanced floor liv Provide mechanical 	re loads have been considered connection (by others) of trus	l for this design. s to bearing plate capable of withst	anding 14 lb uplift a	at ioint 2	26.		
3) Recommend 2x6 st	rongbacks, on edge, spaced a	t 10-0-0 oc and fastened to each t	russ with 3-10d (0.1	131" X 3	") nails. Strongbacks t	0	
4) CAUTION, Do not e	s at their outer ends or restrain rect truss backwards.	ed by other means.					
	lard						
LUAD CASE(S) Stand	lalu					MUMMIN	11/100.
						WHIN BTH CA	ROUTIN
						A OFESS	PN 9 11
					in m	1º 1	No.





1-9-0	6-10-8	1	7-10-8 8-10-8	15-8	J-0
1-9-0	5-1-8	1	1-0-0 ' 1-0-0 '	6-10)-8
Plate Offsets (X,Y)	[4:0-1-8,Edge], [5:0-1-8,Edge], [17:Ec	dge,0-3-0]			
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 YES Code IRC2021/TPI2014	CSI. TC 0.38 BC 0.80 WB 0.42 Matrix-SH	DEFL. Vert(LL) - Vert(CT) - Horz(CT)	in (loc) l/defl L/d 0.17 12-13 >999 480 0.24 12-13 >771 360 0.05 9 n/a n/a	PLATES GRIP MT20 244/190 Weight: 79 lb FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF WEBS 2x4 SF	9 No.1(flat) 9 No.1(flat) 9 No.3(flat)		BRACING- TOP CHOR BOT CHOR	 Structural wood sheathing of end verticals. Rigid ceiling directly applied 	lirectly applied or 6-0-0 oc purlins, except d or 10-0-0 oc bracing.

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REACTIONS. (lb/size) 17=846/0-7-8 (min. 0-1-8), 9=846/0-7-8 (min. 0-1-8)

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

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TOP CHORD 2-3=-1881/0, 3-4=-2834/0, 4-5=-3140/0, 5-6=-2832/0, 6-7=-1886/0

BOT CHORD 16-17=0/1183, 15-16=0/1183, 14-15=0/2519, 13-14=0/3140, 12-13=0/3140, 11-12=0/3140, 10-11=0/2519, 9-10=0/1217

WEBS 4-14=-590/0, 3-14=0/478, 3-15=-831/0, 2-15=0/891, 5-11=-591/0, 6-11=0/477, 6-10=-824/0, 7-10=0/871, 7-9=-1441/0,

NOTES- (3)

1) Unbalanced floor live loads have been considered for this design.

2-17=-1418/0

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.

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Job	Truss	Truss	Туре			Qty	Ply	LOT 0.0	045 HONEYCUTT	HILLS 114 SHELBY	MEADOV	V LANE ANGIER, NO
23-4638-F01	F1-16	Floor S	upported Gable			1	.	1 Job Re	ference (optiona	l)	# 3	39817
0 ₁ 1-8					Run: 8. ID:fcZ0Kw	430 s Feb ZoZQme>	12 2021 I KTIMivG	Print: 8.430 J_CysCY) s Feb 12 2021 Mi m-47XVToreRXj	Tek Industries, Inc. F cOs2oNm1QJuWF	ri Jul 711 JF5b8zC	:01:56 2023 Page 1 SDMP12Onz_UmP 0-1-8 Scale = 1:26.0
1.5x3 $1.5x3 = 1.5$ $1 2$ 0 0 0 0 0 0 0 0 0 0	x3 1.5x3 3 11 ST1 0	1.5x3 4 ST1	1.5x3 5 ST1	3x4 = 6 5T1 V2	1.5x3 7 5T1 ST1 B3	1.5x3 8 ST1		1.5x3 9 ST1	1.5x3 10 ST1	1.5x3 11 ST1 ST1	1.5x3 12 ST1 ST1	$1.5x3 $ $1.5x3 =$ 13 $28 \begin{bmatrix} 0 \\ 0 \\ 0 \\ 0 \end{bmatrix}$
26 25 3x4 1.5	5 24 x3 1.5x3	23 1.5x3	22 1.5x3	21 1.5x3	20 3x4 =	19 1.5x3		18 1.5x3	17 1.5x3	16 1.5x3	15 1.5x3	14 3x4
1-4-0 1-4-0 Plate Offsets (X,Y)	2-8-0 4-0- 1-4-0 1-4- [6:0-1-8,Edge], [20:0-	0 5-4-0 0 1-4-0 1-8,Edge], [26:E	6-8-0 1-4-0 dge,0-1-8]	8-0 1-4	0 9-4-(0 1-4-(0 0	10-8-0 1-4-0	<u> 12</u> 1	2-0-0 13- -4-0 1-4	4-0 <u>14-8-0</u> 4-0 1-4-0	18 1	5-9-0 -1-0
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Inc Code IRC2021	2-0-0 - 1.00 1.00 r YES /TPI2014	CSI. TC BC WB Matrix	0.06 0.01 0.03 -SH	DEFL. Vert(LL) Vert(CT) Horz(CT	in n/a n/a) 0.00	(loc) - - 14	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 69 lb	GRIP 244/19 FT	90 = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SP BOT CHORD 2x4 SP WEBS 2x4 SP OTHERS 2x4 SP	P No.1(flat) P No.1(flat) P No.3(flat) P No.3(flat)		1		BRACING TOP CHO BOT CHO	G- ORD ORD	Structu end ve Rigid c	ral wood rticals. eiling dir	sheathing dire	ectly applied or 6- r 10-0-0 oc bracir	0-0 oc p 1g.	ourlins, except

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

NOTES- (5)

- Gable requires continuous bottom chord bearing.
 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.

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7/5/2023