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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 #: 45635 JOB: 24-1097-F01 JOB NAME: LOT 0.0001 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-



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

Job	Truss		Truss Type		Q	y Ply	LOT 0.0001 HONEY	UTT HILLS 17 SHE	LBY MEADOW LA	ANE ANGIER, NC
24-1097-F01	F1-01		GABLE		1		1	tional)	# 4	5635
0 ₁ 18					Run: 8.430 s ID:fcZ0Kv	Feb 12 2021 P vZoZQmeXTIN	rint: 8.430 Feb 12 200 /ivGJ_CysCYm-mSaC	uiTek Industries, Inc. y6biM91NmBsDku	Thu Feb 22 19:0: utKSDdfJLQz56	2:42 2024 Page 1 1dNRMkrgziVzR Scale = 1:21.9
$\begin{array}{c} 1.5x3 \\ 1.5x3 = 1 \\ 1 & 2 \\ \hline 23 & 1 \\ \hline 23 & 1 \\ \hline 24 & 2 \\ 3x4 & 1 \end{array}$	5x3 2 3 1 5x3	1.5x3 3 ST1 e 20 1.5x3	1.5x3 4 ST1 9 1.5x3	1.5x3 5 ST1 0 18 1.5x3	6 ^{3x4} = 5T1 5T1 17 1.5x3	1.5x3 7 ST1 16 3x4 =	1.5x3 8 ST1 ST1 1.5x3	1.5x3 9 ST1 0 14 1.5x3	1.5x3 10 ST1 ST1 13 1.5x3	3x4 11 W1 V1 V1 V2 12 3x4
1-4-0 1-4-0	<u>+ 2-8-0</u> 1-4-0	+ 4-0-0 1-4-0	5-4- 1-4-	-0 + 6-8-0 -0 + 1-4-0	8-0-0 1-4-0	9- 1-	4-0 <u>10-8-0</u> 4-0 1-4-0	<u>12-0-0</u> 1-4-0	<u> 13-4-6</u> 1-4-6	6 5
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACIN Plate G Lumber Rep Str Code IF	, <u>[10:0-1-8,Edg</u> IG- 2-0 rip DOL 1.0 DOL 1.0 ress Incr YE RC2021/TPI20 ⁻¹	-0 -0 00 55 14	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 12	l/defl L/d n/a 999 n/a 999 n/a n/a	PLATES MT20 Weight: {	GRIP 244/190 59 lb FT = 1	 20%F, 11%E
LUMBER- TOP CHORD 2x4 SP BOT CHORD 2x4 SP WEBS 2x4 SP OTHERS 2x4 SP	No.1(flat) No.1(flat) No.3(flat) No.3(flat)				BRACING TOP CHO BOT CHO	RD Struct end v RD Rigid	tural wood sheathing erticals. ceiling directly applie	directly applied of a constraint of the constrai	or 6-0-0 oc pur racing.	lins, except
REACTIONS. All be (Ib) - Max Gr	arings 13-4-6. av All reactio	ons 250 lb or le	ess at joint(s) 22	2, 12, 21, 20, 19, 1	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





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,

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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7-9=-851/0

LOAD CASE(S) Standard





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. (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.

5) CAUTION, DUTINE CICCUTUSS DACK

LOAD CASE(S) Standard





REACTIONS. (Ib/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



Job	Truss	Truss Type	Qty	Ply	LOT 0.0001 HONEYCUTT HIL	LS 17 SHELBY MEADOW LANE ANGIER, NC
24-1097-F01	F1-05	GABLE	1	1	lob Poference (entional)	# 45635
0 ₁ 1 ₁ 8		I	Run: 8.430s Feb 12 ID:fcZ0KwZoZ0	2021 Print QmeXTIMi	S430 s February 8430 s February vGJ_CysCYm-A1GXa7eaf4	Justries, Inc. Thu Feb 22 19:02:45 2024 Page 1 IPydfboP0R14sFAdYSgITo33PaPS?ziVzO Scale = 1:27.2
$1.5x3 \\ 1.5x3 = 1.5x3 \\ 1 2 \\ 1$	1.5x3 1.5x3 3x8 3 4 5 ST1 ST1 ST1 ST1 28 27 1.5x3 1.5x3	1.5x3 FP= 1.5x3 6 7 ST1 ST1 B1 0 26 25 1.5x3 1.5x3	3x4 = 1.5x3 8 9 ST1 W2 ST1 24 23 1.5x3 3x4 =	1.5x3 10 12 ST1 ST1 22 1.5x3	1.5x3 1.5x3 11 12 ST1	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
1-4-0 1-4-0 Plate Offsets (X X) [8:	<u>2-8-0 4-0-0 5</u> <u>1-4-0 1-4-0 1</u> 0-1-8 Edgel [23:0-1-8 Edge	-4-0 6-8-0 8-0-0 -4-0 1-4-0 1-4-0	<u> </u>	3-0 -0	12-0-0 13-4-0 1-4-0 1-4-0	14-8-0 16-0-0 16-6-8 1-4-0 1-4-0 0-6-8
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 Vert(LL) n/a Vert(CT) n/a Horz(CT) 0.00	(loc) - - 16	l/defl L/d n/a 999 n/a 999 n/a 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	lo.1(flat) o.1(flat) o.3(flat) o.3(flat)	L	BRACING- TOP CHORD BOT CHORD	Structura end vert Rigid ce	al wood sheathing directly icals. iling directly applied or 10	y applied or 6-0-0 oc purlins, except)-0-0 oc bracing.
KEACTIONS. All bear (lb) - Max Upli Max Gra	Ings 16-6-8. ft All uplift 100 lb or less at j v All reactions 250 lb or less	bint(s) 16 s 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			Qty	y Ply	LOT 0.0001	HONEYCUTT H	ILLS 17 SHEL	.BY MEADOW L	ANE ANGIER, NC
24-1097-F01		F1-06		Floor Support	ed Gable		1		1 Job Refere	ence (optional)		# 4	5635
							Run: 8.430 s ID:fcZ0KwZc	Feb 12 2021 Pi ZQmeXTIMiv	int: 8.430 s Feb GJ_CysCYm-	12 2021 MiTek I 6POH?pfrBhg	ndustries, Inc. gszIBWRTV9	Thu Feb 22 19:0 HKVzM87mN	02:47 2024 Page 1 EMXj3VWuziVzM
													Scale = 1:28.5
3x4	1.5x3	1.5x3 3x8	1.5x3 5 FP=	1.5x3	1.5x3	3x4 =	1.5x3	1.5x3	1.5x3	1.5x3	1.5x3	1.5x3	3x4
1	2 1	3 4	5	6	7	8	9	_10	11	12	13	14	15
		ST1	ST1 SXXXXXX	ST1 SXXXXXX	ST1 B1 XXXXXXX	STI W2		ST1	ST1	ST1	8 ST1 - 6 XXXXXX	ST1 B2 =	
30	29	28	27	26	25	24	23	22	21	20 19	18	17	16
3x4	1.5x3	1.5x3	1.5x3	1.5x3	1.5x3	1.5x3	3x4 =	1.5x3	1.5x3	3x8	FP=	1.5x3	3x4
										1.5x3	1.5x3		

					17-5-0						1
					17-5-6						1
Plate 0	Offsets (X,Y)	[1:Edge,0-1-8], [8:0-1-8,E	Edge], [23:0-1-8,Edg	e], [30:Edge,0-1-8	6]						
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/TP	2-0-0 1.00 1.00 YES Pl2014	CSI. C 0.07 3C 0.01 VB 0.03 Matrix-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 OTHEF	ER- HORD 2x4 SF HORD 2x4 SF 2x4 SF RS 2x4 SF	P No.1(flat) P No.1(flat) P No.3(flat) P No.3(flat)			BRACING- TOP CHOF BOT CHOF	RD RD	Structu end ve Rigid c	iral wood rticals. eiling dii	d sheathing d rectly applied	irectly applied or 10 or 10-0-0 oc bracin	-0-0 oc purlins, except g.

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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)

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- 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.

LOAD CASE(S) Standard





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(llat) BOT CHORD 2x4 SP No.1(flat) WEBS 2x4 SP No.3(flat) TOP CHORD Structu end ver BOT CHORD Rigid c

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. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) 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





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 2/20/2024

Job	Truss	Truss Type	Qty	Ply LOT 0.0001 HONEYC	UTT HILLS 17 SHELBY MEADOW LANE ANGIER, NC
24-1097-F01	F1-11	GABLE	1	1	anal) # 45635
			Run: 8.430 s Feb 12 ID:fcZ0Kw2	2021 Print 8430 5 F6 12 2021 N ZoZQmeXTIMivGJ_CysCYm-?	Norm Trek Industries, Inc. Thu Feb 22 19:02:51 2024 Page 1 AdorBiLFwA6La2yIHXRJ7VC4zV4iBGyRL1jffziVzI 0 ₁ 1-8 Scale = 1:28.1
3x4 1.5x3 1.5x3 1 2 1.5x3 1 2 1.5x3 1 2 1.5x3 1 1.5x3	1.5x3 3x8 FP= 1.5x3 3 4 5 5 5 5 7 7 8 7 7 7 7 7 7 7 7 7 7 7 7 7	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1.5x3 1.5x3 1 8 9 T2 5T1 ST1 ST1 ST1 24 23	.5x3 1.5x3 1.5 10 11 12 10 11 5 11 ST1 ST 0 0 0 22 21 20	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
3x4 1.5x3 + <u>1-4-0</u> <u>2-4</u> <u>1-4-0</u> <u>1-4</u> Plate Offsets (X,Y)- [1:2	1.5x3 1.5x3 <u>3-0 + 4-0-0 + 5-4-</u> <u>4-0 + 1-4-0 + 1-4-</u> dge,0-1-8], [7:0-1-8,Edge],	1.5x3 1.5x3 0 6-8-0 8-0-0 0 1-4-0 1-4-0 [24:0-1-8,Edge], [30:Edge,]	3x4 = 1.5x3 1 $+ 9-4-0 + 10-8-0$ $+ 1-4-0 + 1-4-0$ 0-1-8]	.5x3 1.5x3 1.5x + 12-0-0 + 13-4-0 + 1-4-0 + 1-4-0 +	3x8 FP= 1.5x3 3x4 3 1.5x3 <u>14-8-0 16-0-0 17-1-2 </u> <u>1-4-0 1-1-2 </u>
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 0.06 BC 0.01 WB 0.03 Matrix-SH	DEFL. in Vert(LL) n/a Vert(CT) n/a Horz(CT) 0.00	(loc) l/defi L/d - n/a 999 - n/a 999 16 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)		BRACING- TOP CHORD BOT CHORD	Structural wood sheathing end verticals. Rigid ceiling directly applie	directly applied or 6-0-0 oc purlins,except d or 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





	8-7-14		1-0-0 1-0-0	6	6-10-8	
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. ir Vert(LL) -0.20 Vert(CT) -0.28 Horz(CT) 0.04	n (loc) l/defl L/d 17-18 >999 480 17-18 >745 360 12 n/a n/a	PLATES GF MT20 24 Weight: 89 lb	t IP 4/190 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	lirectly applied or 6-0-0 l or 10-0-0 oc bracing.	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, 13-14=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



Job	Truss	Truss Type	Qty	Ply	LOT 0.0001 HONEYCU	TT HILLS 17 SHELBY M	EADOW LANE ANGIER, NC
24-1097-F01	F1-14	Floor	4	1	Job Reference (optio	nal)	# 45635
	1	1	Run: 8.430 s Feb 1 ID:fcZ0KwZoZ	2 2021 Print	ivGJ_CysCYm-xZIYFs	Fek Industries, Inc. Thu F kcnXQpauCLtiavOYa	eb 22 19:02:53 2024 Page 1 QVn_aAxmFvfWqkXziVzG
0-1-8						·	
H ⊢ 1-3-0	1-2-3 2-0-0	1-1-9	1-4-4	2-0-0	0		1-6-0 0-1-8 Scale = 1:38.1
3x4 == 1 5x3	3x4 — 3x4 —	4x8 - 3x8 FP- 3x4 -	3x4 — 14	5v3	3x4 —	3v4 — 3	1.5x3 xx4 — 1.5x3 —
1	2 1 3	4 5 6	7 8	B		10	11 12
9 27			2 JNS	0			
			XI VI	 هر	B2 8		
26 25	24 23 24		10	17	16 15	14	13
3x4 3x4 :	= 1.5x3 1.5x3 3x	4 = 3x4 4x6 = 3x8 FP = 3	$x_4 = 3x$	4 =	1.5x3 3x4 =	14 3x4 =	6x6
, 2-9-11	4-11-3 , 3-9-11 , 4-9-11 , , 6-1-7 ,	7-5-4		, 15-0-8 , 1	16-0-8	22-11-0	
2-9-11	1-0-0 1-0-0 1-2-4 0-1-8	1-2-4 0-1-8 6-7-4		1-0-0	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	26:Edge,0-1-8]				
LOADING (psf)	SPACING- 2-0-0 Plate Grip DOI 1.00) CSI.	DEFL. ir	n (loc) 7 15-16	l/defl L/d	PLATES MT20	GRIP 244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.84	Vert(CT) -0.23	3 15-16	>788 360	WI 20	244/130
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH	Horz(CT) 0.02	4 13	n/a n/a	Weight: 113 lb	FT = 20%F, 11%E
LUMBER-			BRACING-				
TOP CHORD 2x4 SI BOT CHORD 2x4 SI	P No.1(flat) P No.1(flat)		TOP CHORD	Structur end verf	al wood sheathing d ticals.	irectly applied or 6-0	-0 oc purlins, except
WEBS 2x4 SF	P No.3(Îlat)́		BOT CHORD	Rigid ce	eiling directly applied	or 6-0-0 oc bracing.	
REACTIONS. (Ib/siz	e) 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 C Max C	Jplift26=-14(LC 4) Grav26=353(LC 3), 21=1438(L0	C 1), 13=789(LC 7)					
FORCES. (Ib) - Max	. Comp./Max. Ten All forces :	250 (lb) or less except when showr	۱.				
TOP CHORD 26-2 5-6=	7=-352/6, 1-27=-352/6, 1-2=-32 -317/0_6-7=-1767/0_7-8=-2709	21/59, 2-3=-543/246, 3-4=-108/602 2/0 8-9=-2709/0 9-10=-2537/0 10	, 4-5=-317/0, -11=-1730/0				
BOT CHORD 24-2	5=-246/543, 23-24=-246/543, 2	22-23=-246/543, 21-22=-1013/0, 20)-21=-1009/0,	0			
13-1	4=0/11218, 18-19=0/1218, 17-18 4=0/1125	5-0/2306, 16-17-0/2709, 15-16-0/	2709, 14-15-0/230	13,			
WEBS 8-17 4-20	=-274/0, 4-21=-1382/0, 1-25=-7 =0/1275, 6-20=-1184/0, 6-18=0	75/383, 2-25=-289/243, 3-22=-796/)/755, 7-18=-752/0, 7-17=0/705, 9-1	0, 4-22=0/597, 15=-388/47,				
10-1	5=0/359, 10-14=-746/0, 11-14=	=0/787, 11-13=-1333/0					
NOTES- (5)	ive loads have been considere	d for this design					
2) Provide mechanica	al connection (by others) of trus	ss to bearing plate capable of withs	tanding 14 lb uplift	at joint 26).		
be attached to wal	strongbacks, on edge, spaced a ls at their outer ends or restrair	ned by other means.	truss with 3-10d (0.	131" X 3") nalis. Strongbacks	10	
4) CAUTION, Do not	erect truss backwards.						
LOAD CASE(S) Stan	dard						liles
						WHENTH CAL	9011111
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						E K A	-K:: =





1-9-0	6-10-8	/-1	0-8 8-10-8	15-9-	-0	
1-9-0	5-1-8	' 1-(0-0 ' 1-0-0 '	6-10-	-8	
Plate Offsets (X,Y)	[4:0-1-8,Edge], [5:0-1-8,Edge], [17:Ed	ge,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. in Vert(LL) -0.17 Vert(CT) -0.24 Horz(CT) 0.05	n (loc) l/defl L/d 7 12-13 >999 480 12-13 >771 360 5 9 n/a n/a	PLATES GRIP MT20 244/190 Weight: 79 lb FT = 20%F, 119	6E
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF WEBS 2x4 SF	P No.1(flat) P No.1(flat) P 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, exce or 10-0-0 oc bracing.	pt

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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,

2-17=-1418/0

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.

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Job	Truss	Truss	Туре			Qty	Ply	LOT 0.0	001 HONEYCUTT	HILLS 17 SHELBY I	/IEADOW	LANE ANGIER, NC
24-1097-F01	F1-16	Floor S	upported Gable			1	1	Job Re	ference (optional)	#	45635
0 ₁ 1-8					Run: 8.43 ID:ft	DS FED 12 ZOKwZo	ZQmeXT	t: 8.430 s I IMivGJ_C	-eb 12 2021 Milek SysCYm-tytJgYls	industries, inc. Thu J8gXqBMj_7cNUz	fu6as0e	.02:55 2024 Page 1 _GYMz?wpQziVzE 0-11-8 Scale = 1:26.0
$1.5x3 \parallel$ $1.5x3 = 1.5$ $1 2$ 0 0 0 0 0 0 0 0 0 0	x3 1.5x3 3 1 ST1	1.5x3 4 ST1	1.5x3 5 ST1	3x4 = 6 5T1 /02	1.5x3 7 511 511	1.5x3 8 ST1		1.5x3 9 ST1 Ø	1.5x3 10 ST1	1.5x3 11 ST1	1.5x3 12 ST1 ST1	$ \begin{array}{c} 1.5x3 \\ 1.5x3 = \\ 13 \\ \hline 0 \\ 1 \\ 28 \\ \hline 0 \\ 1 \\ \hline 0 \\ 0 \\ 0 \\ \hline 0 \\ \hline 0 \\ 0 \\ \hline 0 \\ 0 \\ \hline 0 \\ \hline 0 \\ 0 \\ \hline \hline \hline \hline \hline 0 \\ \hline \hline$
26 25 3x4 1.5	; 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 4-0-0 1-4-0 1-4-0 [6:0-1-8,Edge], [20:0-1-4	5-4-0 1-4-0 8,Edge], [26:E	6-8-0 1-4-0 dge,0-1-8]	8-0- 1-4-	0 9-4-0 0 1-4-0	0 0	10-8-0 1-4-0	12 12	-0-0 13-4 4-0 1-4	4-0 <u>14-8-0</u> -0 1-4-0		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 Incr Code IRC2021/T	2-0-0 1.00 1.00 YES PI2014	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) No.1(flat) No.3(flat) No.3(flat)				BRACING TOP CH BOT CH	G- ORD ORD	Structur end ver Rigid ce	ral wood ticals. eiling dire	sheathing dire	ctly applied or 6- 10-0-0 oc bracin	0-0 oc p g.	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.

LOAD CASE(S) Standard

