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 #: 52104 JOB: 24-7417-F01 JOB NAME: LOT 0.0036 HONEYCUTT HILLS Wind Code: N/A Wind Speed: Vult= N/A Exposure Category: N/A Mean Roof Height (feet): N/A These truss designs comply with IRC 2015 as well as IRC 2018. *30 Truss Design(s)*

Trusses:

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



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

ob	Truss	Truss Type	(Qty F	Ply	LOT 0.0036 HONEYCU	TT HILLS 286 SHELE	3Y MEADOW I	ANE ANGIER, NC
4-7417-F01	F1-01	Floor Supported Gable		1	1	Job Reference (option	nal)	# 5	2104
	l		Run: 8.4 ID:	30 s Feb 12 5fxLxLn?C	2021 Prin 6dWija?	nt: 8.630 s Jul 12 2024 Mi SHK4thzkcYI-UxXkPł	Tek Industries, Inc. S (vrdz8PFr YhY56s	at Sep 7 20:50 ZdV7ZIgSg(6:58 2024 Page 1 CKHHsrZBvfwEZ
0 ₁ 1 ₅ 8					· · · · , · · · , · · · ·				
									0
									Scale = 1:21.5
1 5x3									
1.5x3 = 1.5x	3 1.5x3	1.5x3	1.5x3	1.5x3	3	1.5x3	1.5x3	1.5x3	3x4
1 2	3	4 5 ³	x4 = 6	7		8	9	10	11
] 🕘 🕘	0			•		•	•		
	1 ST1	ST1 ST	1 VV2 ST1	ST1	I	ST1	ST1	ST1	W1 S
					$\times\!\!\times\!\!\times$				
22 21	20	19 18	17	16		15	14	13	12
3x4 1.5x	3 1.5x3	1.5x3 1.5x	3 3x4 =	1.5x3	3	1.5x3	1.5x3	1.5x3	3x4

 	13-1-12 13-1-12									
Plate Offsets (X,Y)	[5:0-1-8,Edge], [17:0-1-8,Edge], [22:E	dge,0-1-8]								
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.06 BC 0.01 WB 0.03 Matrix-SH	DEFL. in Vert(LL) n/a Vert(CT) n/a Horz(CT) 0.00	(loc) l/defl L/d - n/a 999 - n/a 999 12 n/a n/a	PLATES MT20 GRIP 244/190 Weight: 55 lb FT = 20%F, 11%E					
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF WEBS 2x4 SF OTHERS 2x4 SF	² No.1(flat) ² No.1(flat) ² No.3(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. 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)

- 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



Job	Truss	Truss Type	Qty	Ply LO	T 0.0036 HONEYC	UTT HILLS 286 SHELBY	MEADOW LANE ANGIER, N
24-7417-F01	F1-02	Floor	5	1	- D-f (t		# 52104
			Run: 8.430 s Feb	Jot 12 2021 Print: 8	630 s Jul 12 2024	onal) MiTek Industries, Inc. Sat	Sep 7 20:56:59 2024 Page 1
0-1-8			ID:5fxLxLn?C	6dWjia?SHK4t	hzkcYI-z856dgz	IOGGGt_2kFFcLOmA	bFzVkB8cUWxcO5dytwEY
1-3-0						i	1-3-4
Н	—						Scale = 1:21.5
4x4 =							
1.5x3 =	3x4 =	$3x4 \equiv$	1.5x3 3x	4 =		3x4 =	3x6 =
	2	3				0	
915				\sim			W1 9
? 🖽 📝							
			BI		J.		
14	13	12	11		10	9	
3x4	3x6 =	3x4 =	3x8 =	:	3x4 =	3x6 =	= 3x4
1-6-0	4-0-0		9-1-8		11	1-7-8	13-1-12
Plate Offsets (X,Y) [<u>2-6-0</u> 1:Edge,0-1-8], [14:Edge,0-1-8	·	5-1-8			2-6-0	1-6-4
	SPACING- 2-0-0	CSI	DEEL ir	n (loc) l/de	fl I/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.35	Vert(LL) -0.12	2 11 >99	9 480	MT20	244/190
TCDL 10.0 BCLL 0.0	Lumber DOL 1.00 Rep Stress Incr NO	BC 0.54 WB 0.53	Vert(CT) -0.17 Horz(CT) 0.03	7 11 >93 3 8 n/	8 360 'a n/a		
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH			u,u	Weight: 66 lb	FT = 20%F, 11%E
LUMBER-			BRACING-				
TOP CHORD 2x4 SP	No.1(flat) No.1(flat)		TOP CHORD	Structural w	ood sheathing	directly applied or 6-	0-0 oc purlins, except
WEBS 2x4 SP	No.3(flat)		BOT CHORD	Rigid ceiling	g directly applie	d or 10-0-0 oc bracin	ıg.
REACTIONS. (Ib/size)) 14=703/0-7-8 (min. 0-1-8),	8=1109/0-4-8 (min. 0-1-8)					
	Comp (Max Tan All foreas)	FO (Ib) or loss avaant when she					
TOP CHORD 14-15	=-698/0, 1-15=-696/0, 7-8=-11	02/0, 1-2=-940/0, 2-3=-2158/0, 3	3-4=-2605/0, 4-5=-26	05/0, 5-6=-21	66/0,		
6-7=-9 BOT CHORD 12-13:)50/0 =0/1759 11-12=0/2521 10-11	=0/2523 9-10=0/1772					
WEBS 1-13=0	0/1070, 2-13=-1000/0, 2-12=0	/487, 3-12=-443/0, 5-10=-436/0,	6-10=0/481, 6-9=-10	04/0, 7-9=0/1	121		
NOTES- (4)							
1) Load case(s) 1, 2 ha	as/have been modified. Buildir	g designer must review loads to	o verify that they are c	correct for the	intended use o	f this	
2) Recommend 2x6 str	ongbacks, on edge, spaced a	t 10-0-0 oc and fastened to eac	h truss with 3-10d (0.	131" X 3") na	ils. Strongback	is to	
be attached to walls 3) CAUTION Do not e	at their outer ends or restrain rect truss backwards	ed by other means.					
1) Dead + Floor Live (b	aiu balanced): Lumber Increase=1	.00, Plate Increase=1.00					
Uniform Loads (plf)	10 1 7- 100						
Concentrated Loads	s (lb)						
Vert: 7=-400) ase=1.00. Plate Increase=1.0	h					
Uniform Loads (plf)	ase-1.00, Flate Increase=1.0	J				MALININI	11/1tte
Vert: 8-14=-	10, 1-7=-100					WHEN BTH CA	ROITIN

Concentrated Loads (lb) Vert: 7=-400



Job	Truss	Truss Type	Qty Ply	LOT 0.0036 HONEYCUTT HILLS	286 SHELBY MEADOW LANE ANGIER, NC
24-7417-F01	F1-03	Floor	1	1 Job Reference (optional)	# 52104
0-1-8 H	<u>⊢ 1-3-0</u>		Run: 8.430 s Feb 12.2021 F ID:5fxLxLn?C6dWjia?S	²rínt: 8 630 s Jul 12 2024 MiTek Indus HK4thzkcYI-z856dgzTOGGGt_Z	stries, Inc. Sat Sep 7 20:56:59 2024 Page 1 ZkFFcLOmAXazYpB7wUWxcO5dyfwEY
4x4 = $1.5x3 =$ 1 2 1 1 2 $3x4 $ $3x6$	3x8 = 14 = 3x8 =	$3x4 = 3x4 =$ $3 \qquad 4$ $2 \qquad 2 \qquad 2 \qquad 2 \qquad 3 \qquad 4$ $3 \qquad 4 \qquad 2 \qquad 2$	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	4 = 3x 7 11 3x4 =	4 = 3x6 = 8 $4 = 3x6 = 10$ $3x4 = 3x4 $
1-4-8 1₁6 1-4-8 0 ¹ 1 Plate Offsets (X,Y) [1:E	0 2-10-8 8 1-4-8 idge,0-1-8], [2:0-3-0,Edge],	5-4-8 2-6-0 [16:Edge,0-1-8]	10-6-0 5-1-8	13-(2-6	0-0 <u>14-1-12</u> 5-0 <u>1-1-12</u>
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 0.59 BC 0.34 WB 0.58 Matrix-SH	DEFL. in (loc) Vert(LL) -0.07 12 Vert(CT) -0.10 12 Horz(CT) 0.01 9	I/defl L/d PL >999 480 M >999 360 n/a n/a W	LATES GRIP T20 244/190 Veight: 73 lb FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SP No BOT CHORD 2x4 SP No WEBS 2x4 SP No REACTIONS. (Ib/size) Max Uplift Max Grav	.1(flat) .1(flat) .3(flat) 16=-964/1-7-8 (min. 0-1-8) 16=-1011(LC 4) 9=575(LC 4), 15=1911(LC	ı, 9=575/0-4-8 (min. 0-1-8), 15=1911 1)	BRACING- TOP CHORD Structu end ve BOT CHORD Rigid c 6-0-0 c /1-7-8 (min. 0-1-8)	ural wood sheathing directly a rticals. æiling directly applied or 10-0 oc bracing: 15-16,14-15.	pplied or 6-0-0 oc purlins, except -0 oc bracing, Except:
FORCES. (lb) Max. Col TOP CHORD 16-17=0/ 7-8=-564 BOT CHORD 14-15=-1 WEBS 2-15=-89 7-11=0/3	mp./Max. Ten All forces 2 1005, 1-17=0/1003, 8-9=-5 /0 536/0, 13-14=0/413, 12-13 1/0, 1-15=-1760/0, 2-14=0/ 32, 7-10=-809/0, 8-10=0/74	250 (lb) or less except when shown. 72/0, 1-2=0/1536, 2-3=0/514, 3-4=-9 =0/1456, 11-12=0/1734, 10-11=0/12 1213, 3-14=-1129/0, 3-13=0/663, 4-7 13	54/0, 4-5=-1670/0, 5-6=- ⁻ 27 13=-615/0, 4-12=0/257, 6	1670/0, 6-7=-1498/0, -11=-288/0,	
NOTES- (6) 1) Unbalanced floor live lo 2) Provide mechanical co 3) This truss has large up at the bearings. Buildir 4) Recommend 2x6 stron be attached to walls at 5) CAUTION, Do not erec	bads have been considered nnection (by others) of trus lift reaction(s) from gravity g designer must provide fo gbacks, on edge, spaced a their outer ends or restrain t truss backwards.	I for this design. s to bearing plate capable of withsta load case(s). Proper connection is re r uplift reactions indicated. t 10-0-0 oc and fastened to each tru ed by other means.	nding 1011 lb uplift at join equired to secure truss ag iss with 3-10d (0.131" X 3	nt 16. ainst upward movement ") nails. Strongbacks to	
LOAD CASE(S) Standard	i				
				AND	SEAL 28147 9/6/2024

Warning !--Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 National Design Standard for Metal Plate Connected Wood Truss Construction and BCSI 1-03 Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Job	Truss	Truss Type	Qty	Ply	LOT 0.0036 HONEYCUTT HILLS 286 SH	ELBY MEADOW LANE ANGIER, NC
24-7417-F01	F1-04	Floor	8	1	Job Reference (optional)	# 52104
			Run: 8.430 s Feb 1 ID:5fxLxLn?C60	2 2021 Pri dWjia?SH	int: 8.630 s Jul 12 2024 MiTek Industries, In IK4thzkcYI-z856dgzTOGGGt_ZkFFcL	c. Sat Sep 7 20:56:59 2024 Page 1 OmAc2zU2B8FUWxcO5dyfwEY
0-1-8						
⊣ ⊢ 1-3-0						1-0-4 Scale = 1:23.2
4x4 =						



<u>1-6-0</u> 1-6-0 Plate Offsets (X,Y)	4-0-0 2-6-0 [1:Edge,0-1-8], [15:Edge,0-1-8]	9-1-8 5-1-8	l	<u>11-7-8</u> 2-6-0	<u>13-10-12</u> 14-1-12 2-3-4 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 0.30 BC 0.58 WB 0.56 Matrix-SH	DEFL. in Vert(LL) -0.16 Vert(CT) -0.22 Horz(CT) 0.04	(loc) I/defl L/d 12 >999 480 11-12 >764 360 9 n/a n/a	PLATES GRIP MT20 244/190 Weight: 71 lb FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SP BOT CHORD 2x4 SP WEBS 2x4 SP	2 No.1(flat) 2 No.1(flat) 2 No.3(flat)		BRACING- TOP CHORD BOT CHORD	Structural wood sheathing o end verticals. Rigid ceiling directly applied	directly applied or 6-0-0 oc purlins,except d 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. (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) 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- (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	Iruss		Truss Typ	e		Qty	Ply LOT 0.00	36 HONEYCUTT F	HILLS 286 SHELB	Y MEADOW L	ANE ANGIER, N
24-7417-F01	F1-05		Floor Supp	orted Gable		1	1 Job Ref	erence (optional))	# 52	2104
					R	un: 8.430 s Feb 12 ID:5fxLx	2 2021 Print: 8.630 s Ln?C6dWjia?SHI	s Jul 12 2024 MiTek K4thzkcYI-RKfVq	Industries, Inc. Sa 0z59aO6U87xpy	t Sep 7 20:57 7ax_jrcNzIv	7:00 2024 Page 1 vjidlbLyd3yfwEX
0- <mark>1</mark> -8											
											Scale = 1:23.2
1.5x3 1.5x3 ≕	1.5x3	1.5x3	1.5x3	1.5x3		1.5x3	1 5x3	1.5x3	1 5x3	1.5x3	3x4
1	2	3	4	5	$6^{3x4} =$	7	8	9	10	11	12
	•	•	•	•		•	•	•	•	•	
	ST1	ST1	ST1	ST1		ST1	ST1	ST1	ST1	ST1	
24	23	22	21	20	19	18	17	16	15	14	13
3x4	1.5x3	1.5x3	1.5x3	1.5x3	1.5x3	3x4 =	1.5x3	1.5x3	1.5x3	1.5x3	3x4

			14-1-12		
Plate Offsets (X,Y)	[6:0-1-8,Edge], [18:0-1-8,Edge], [24:E	dge,0-1-8]			
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.06 BC 0.01 WB 0.03 Matrix-SH	DEFL. in Vert(LL) n/a Vert(CT) n/a Horz(CT) 0.00	n (loc) l/defl L/d - n/a 999 - n/a 999 13 n/a n/a	PLATES GRIP MT20 244/190 Weight: 59 lb FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF WEBS 2x4 SF OTHERS 2x4 SF	P No.1(flat) P No.1(flat) P No.3(flat) P 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 d or 10-0-0 oc bracing.

14-1-12

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. (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



Job	Truss	Truss Type	Qty	Ply	LOT 0.0036 HONEYCUTT HILLS 286 SHEL	BY MEADOW LANE ANGIER, NO
24-7417-F01	F1-06	GABLE	1	1	Job Reference (optional)	# 52104

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Sat Sep 7 20:57:00 2024 Page 1 ID:5fxLxLn?C6dWjia?SHK4thzkcYI-RKfVq0z59aO6U87xpy7ax_jqDNzGwjcdlbLyd3yfwEX

Scale = 1:12.7



⊢	1-4-0 1-4-0	<u>2-8-0</u> 1-4-0		4-0-0		5-4-0 1-4-0		6-11-12 1-7-12	
Plate Offsets (X,Y)	[1:Edge,0-1-8], [3:0-1-8	,Edge], [9:0-1-8,E	dge], [12: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/T	2-0-0 1.00 1.00 YES PI2014	CSI. TC 0.08 BC 0.01 WB 0.04 Matrix-P	DEFL. Vert(LL) Vert(CT) Horz(CT) -(in (lo n/a n/a).00	oc) l/defl - n/a - n/a 9 n/a	L/d 999 999 n/a	PLATES MT20 Weight: 32 lb	GRIP 244/190 FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF WEBS 2x4 SF OTHERS 2x4 SF	P No.1(flat) P No.1(flat) P No.3(flat) P No.3(flat)			BRACING- TOP CHORE BOT CHORE) Str ex) Riç	ructural wood cept end vert gid ceiling dir	l sheathing dire ticals. ectly applied o	ectly applied or 6-1 r 10-0-0 oc bracin	1-12 oc purlins, g.

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. (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



Job	Truss	Truss Type	Qty	Ply	LOT 0.0036 HONEYCUTT H	ILLS 286 SHELBY MEADOW LANE ANGIER, NC
24-7417-F01	F1-08	Floor	3	1	Ich Reference (ontionel)	# 52104
			Run: 8.430 s Feb	12 2021 Pr	int: 8.630 s Jul 12 2024 MiTek	Industries, Inc. Sat Sep 7 20:57:01 2024 Page 1
, 1-3-0 ₁			1-4-8	COUVVjia		0-10-10
						Scale = 1:37.9
246 -	2×4	3x8 =	2,40		2×4	- 244 - 246 -
5x0 — 1	2 3x4 – 3x4 –	4 5 6			3x4 — 3x4 – 8 9	- 5x4 - 5x6 - 10 11
	T1 R			T2	æ æ	
				T		
	Longel					· · · · · · · · · · · · · · · ·
25 24	23	22 21 20 2×4 - 4 5×2 2×4 -	19 18	17 2v4 —	16 15	14 13 12 2×4 - 2×4 - 2×4
3x4 3x4 =	3x4 —	3x4 = 1.5x3 3x4 =	4x4 = 3x4	3x4 —	3x8 FP= 3x4 =	$3x4 = 3x4 = 3x4 \parallel$
					UX1	
<u> </u>	4-0-0 6-6-0 2-6-0 2-6-0	<u>9-1-8</u> <u>11-7-8</u> 2-7-8 <u>2-6-0</u>	13-1-8 14-6-0)	17-0-0 19-6-0 2-6-0 2-6-0	22-0-0 23-1-10 2-6-0 1-1-10
Plate Offsets (X,Y)	[25:Edge,0-1-8]					
LOADING (psf)	SPACING- 1-	4-0 CSI .	DEFL. in	(loc)	l/defl L/d	PLATES GRIP
TCLL 40.0 TCDL 10.0	Plate Grip DOL 1 Lumber DOL 1	.00 TC 0.35 .00 BC 0.28	Vert(LL) -0.06 Vert(CT) -0.08	22 22	>999 480 >999 360	MT20 244/190
BCLL 0.0	Rep Stress Incr	NO WB 0.43	Horz(CT) 0.01	18	n/a n/a	Woight 115 b ET - 20% E 11% E
BCDL 5.0		Mauix-SH				Weight. 115 ID FT - 20%F, 11%E
LUMBER- TOP CHORD 2x4 SP	No 1(flat)		BRACING- TOP CHORD	Structur	al wood sheathing direc	ty applied or 6-0-0 oc purlins except
BOT CHORD 2x4 SP	No.1(flat)			end ver	ticals.	
WEBS 2X4 SP	NO.3(flat)		BOI CHOKD	Rigia ce	ening directly applied or	6-0-0 oc bracing.
REACTIONS. (Ib/size	e) 25=384/0-7-8 (min. 0-1	-8), 12=641/0-4-6 (min. 0-1-8), 18=	-1653/0-4-8 (min. 0-1-	8)		
TOP CHORD 1-25=	Comp./Max. Ten All force -400/0, 11-12=-700/0, 1-2=	es 250 (lb) or less except when sho -517/0, 2-3=-1144/0, 3-4=-1217/0,	wn. 4-5=-1217/0, 5-6=-750	/59, 6-7=	0/514, 7-8=0/779,	
8-9=-	544/384, 9-10=-676/123, 10)-11=-278/10	210/380 18 10- 1206	/0 17 19	- 1305/0	
16-17	'=-567/339, 15-16=-567/339), 14-15=-228/724, 13-14=-42/604	210/300, 10-191290	/0, 17-10		
WEBS 7-18= 8-15	1624/0, 1-24=0/613, 2-24= =0/363_9-15=-331/0_10-13	551/0, 5-20=-474/0, 6-20=0/491, =-397/39 11-13=-14/368	6-19=-793/0, 7-19=0/9	07, 7-17=	=0/704, 8-17=-653/0,	
1) Unbalanced floor liv	ve loads have been conside	red for this design.				
2) Load case(s) 1, 2, 3	3, 4, 5, 6 has/have been mo	dified. Building designer must revie	ew loads to verify that t	hey are o	correct for the intended	
3) Recommend 2x6 st	rongbacks, on edge, space	d at 10-0-0 oc and fastened to eac	ch truss with 3-10d (0.1	31" X 3") nails. Strongbacks to	
4) CAUTION, Do not e	s at their outer ends or restr erect truss backwards.	ained by other means.				
LOAD CASE(S) Stop	lard					
1) Dead + Floor Live (balanced): Lumber Increas	e=1.00, Plate Increase=1.00				
Uniform Loads (plf) Vert: 12-25	=-7. 1-11=-67					sallillillilles.
Concentrated Load	s (lb)					WINNATH CAROLINI
2) Dead: Lumber Incre	ease=1.00, Plate Increase=	1.00			111	OFESSION
Uniform Loads (plf)	=_7 1_11=_67				in the second second	1° · · · · · · · · · · · · · · · · · · ·
Concentrated Load	s (lb)				rinu	28147
Vert: 7=-60 3) 1st Dead + Floor Li	0 11=-400 ve (unbalanced): Lumber In	crease=1.00. Plate Increase=1.00			11HI	2014/
Uniform Loads (plf)	- 7 4 7- 07 7 44 40				Inter	A WOINER A
Vert: 12-25 Concentrated Load	=- <i>i</i> , 1- <i>i</i> =-6 <i>i</i> , <i>i</i> -11=-13 s (lb)					ARK & MORPHINN
Vert: 7=-60	0 11=-400					With the second state
						9/6/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0036 HONEYCUTT HILLS 286 SHE	LBY MEADOW LANE ANGIER, NC
24-7417-F01	F1-08	Floor	3	1	Job Reference (optional)	# 52104
		Run 8	3430 s Eeh	12 2021 Pr	int 8 630 s Jul 12 2024 MiTek Industries Inc.	Sat Sen 7 20:57:01 2024 Page 2

In: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Sat Sep 7 20:57:01 2024 Page 2 ID:5fxLxLn?C6dWjia?SHK4thzkcYI-vWCt2M_jwuWz6li7MgepTBFxqnFGf4inzF5V9WyfwEW

LOAD CASE(S) Standard

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

Uniform Loads (plf) Vert: 12-25=-7, 1-7=-13, 7-11=-67

Concentrated Loads (lb)

- Vert: 7=-600 11=-400
- 5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
- Uniform Loads (plf) Vert: 12-25=-7, 1-7=-67, 7-11=-13
- Concentrated Loads (lb)
- Vert: 7=-600 11=-400
- 6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf)
- Vert: 12-25=-7, 1-7=-13, 7-11=-67
- Concentrated Loads (lb) Vert: 7=-600 11=-400



Job		Truss			Truss T	уре				Qty	Ply	LOT 0.0036 H	HONEYCUT	T HILLS 28	6 SHELBY N	/IEADOW L	ane angie	ER, NC
24-7417-F01		F1-09			Floor Su	pported Gab	le			1	1	Job Referei	nce (optior	al)		# 52	2104	
		·			·				Run: 8.4 ID:5f	130 s Feb 1 xLxLn?C6	2 2021 Pri dWjia?SH	int: 8.630 s Jul HK4thzkcYl-v	12 2024 Mi /WCt2M_jv	rek Industrie /uWz6Ii7M	es, Inc. Sat S IgepTBF?D	ep 7 20:57 nJWfAwnz	:01 2024 P zF5V9Wyf	age 1 wEW
																	Scale = 1	:37.3
					1.5x3													
3x4 1	1.5x3 2	1.5x3 3	1.5x3 ∣∣ ⊿	1.5x3 5	3x8 FP=	= 1.5x3 8	1.5x3	3x4 =	1.5x3	1.5x3 12	1.5x3	1.5x3 14	1.5x3 15	1.5x3 16	1.5x3	1.5x3 18	3x4 10	
0-0			1 ST1 CXXXX											ST1 B2 XXXXX	sī1	ST1		1-0-0
38	37	36	35	34	33	32	31	30	29	28 2	7 26	25	24	23	22	21	20	
3x4	1.5x3	1.5x3	1.5x3	1.5x3	1.5x3	1.5x3	1.5x3	1.5x3	3x4 =	3x8	FP=	1.5x3	1.5x3	1.5x3	1.5x3	1.5x3	3x4	
										1.5x3	1.5x3	П						

					-	22.0.2						
Plate Off	sets (X,Y)	[1:Edge,0-1-8], [10:0-1-8	3,Edge], [29:	0-1-8,Edge], [38:Edge,0-1	1-8]						
LOADING TCLL TCDL BCLL BCDL	6 (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 PI2014	CSI. TC BC WB Matrix	0.07 0.01 0.03 -SH	DEFL. Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 26	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 92 lb	GRIP 244/190 FT = 20%F, 11%E
LUMBER TOP CHO BOT CHO WEBS	- DRD 2x4 SP DRD 2x4 SP 2x4 SP	2 No.1(flat) 2 No.1(flat) 2 No.3(flat)			`	BRACING- TOP CHOF BOT CHOF	RD RD	Structu end ve Rigid c	ral wood rticals. eiling dii	l sheathing ectly applie	directly applied or 10)-0-0 oc purlins, except

22-0-2

OTHERS 2x4 SP No.3(flat)

REACTIONS. All bearings 22-9-2.

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

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

NOTES-(5)

Job

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	0.0036 HONEYCUTT	HILLS 286 SHELBY ME	EADOW LANE ANGIER, NC
24-7417-F01	F1-10	Floor	6	1	Deference (entionel		# 52104
0-1-8 H ⊢	I		Run: 8.430 s Feb 1 ID:5fxLxLn?C6	2 2021 Print: 8.6 6dWjia?SHK4t	Verence (opuona 30 s Jul 12 2024 MiTe hzkcYI-NjmFFi?Mhl) k Industries, Inc. Sat Ser BfqkSHJwN920PoyZ#	p 7 20:57:02 2024 Page 1 Ab5OWYwCuq3iyyfwEV <u>ρ-10-12</u> Scale = 1:38.2
3x4 = 1.5x3 = 1 2600 25 24 3x4 =	3x4 = 3x4 = 2 2 T1 3 3x4 = 23 3x4 = 3	3x8 = 3x8 FP = $3x4 =4 5 63x8 FP =$ $3x4 =4 5 63x4 =$ $4 53x4 =$ $4 53x4 =$ $4 53x4 =$ $4 53x4 =$ $4 5$	3x8 = 7 19 18 x4 = 3x4	3x4 T2 8 17 16 4x4 = 3x8	= 3x4 9 5 15 FP= 3x4 =	= 3x4 = $27 10$ 14 $3x4 =$	3x6 = 11 11 13 12 $3x4 = 3x4 \parallel$
<u> 1-6-0</u> 	4-0-0 6-6-0 2-6-0 2-6-0 Edge,0-1-8]	9-1-8 11-7-8 2-7-8 2-6-0	<u> 13-1-8 14-6-0</u> 1-6-0 1-4-8) <u> 17-0-(</u> 2-6-0) 19-6-(2-6-0	0 <u>22-0-0</u>) <u>2-6-0</u>	23-1-12 1-1-12
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 0.99 BC 0.31 WB 0.46 Matrix-SH	DEFL.inVert(LL)-0.06Vert(CT)-0.07Horz(CT)0.01	(loc) l/defl 22 >999 22 >999 12 n/a	L/d 480 360 n/a	PLATES O MT20 2 Weight: 115 lb	GRIP 244/190 FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SP No BOT CHORD 2x4 SP No WEBS 2x4 SP No REACTIONS. (Ib/size) Max Grav	0.1(flat) 0.1(flat) 0.3(flat) 25=363/0-7-8 (min. 0-1-8), 25=384(LC 3), 12=489(LC	12=427/0-4-8 (min. 0-1-8), 18=182(4), 18=1820(LC 1)	BRACING- TOP CHORD BOT CHORD 0/0-4-8 (min. 0-1-8	Structural wo end verticals. Rigid ceiling (3)	od sheathing dire directly applied or	ctly applied or 4-8-1 [.] 6-0-0 oc bracing.	1 oc purlins, except
FORCES. (lb) - Max. Co TOP CHORD 25-26-3 6-7=0/73 BOT CHORD 23-24=0 16-17=-3 WEBS 7-18=-17 8-15=0/0	mp./Max. Ten All forces 2 180/0, 1-26=-380/0, 11-12=- 12, 7-8=0/803, 8-9=-981/0, 9 1917, 22-23=0/1198, 21-22= 192/513, 15-16=-392/513, 1 188/0, 1-24=0/560, 2-24=-5 183, 9-15=-651/0, 10-13=-7	50 (lb) or less except when shown. 486/0, 1-2=-493/0, 2-3=-1070/0, 3-4 -27=-1297/0, 10-27=-1297/0, 10-11= -72/965, 20-21=-72/965, 19-20=-405 4-15=0/1424, 13-14=0/1149 8/0, 5-20=-505/0, 6-20=0/522, 6-19= 52/0, 11-13=0/691	=-1095/0, 4-5=-109 =-525/0 9/183, 18-19=-1537 =-819/0, 7-19=0/93	95/0, 5-6=-574 7/0, 17-18=-1 2, 7-17=0/96	3/232, 546/0, 1, 8-17=-896/0,		
 NOTES- (5) 1) Unbalanced floor live I 2) Load case(s) 1, 2, 3, 4 use of this truss. 3) Recommend 2x6 stron be attached to walls at 4) CAUTION, Do not erect 	oads have been considered , 5, 6 has/have been modifi gbacks, on edge, spaced a their outer ends or restrain ct truss backwards.	for this design. ed. Building designer must review lo t 10-0-0 oc and fastened to each tru ed by other means.	ads to verify that th uss with 3-10d (0.13	ney are correc 31" X 3") nails	t for the intended S. Strongbacks to)	
LOAD CASE(S) 1) Dead + Floor Live (bal Uniform Loads (plf) Vert: 12-25=-7 Concentrated Loads (II Vert: 7=-600 2 2) Dead: Lumber Increas Uniform Loads (plf) Vert: 12-25=-7 Concentrated Loads (II Vert: 7=-600 2 3) 1st Dead + Floor Live (I) Uniform Loads (plf) Vert: 12-25=-7 Concentrated Loads (II) Vert: 7=-600 2	anced): Lumber Increase=1) 7=-335 e=1.00, Plate Increase=1.00 , 1-11=-67 b) 7=-335 (unbalanced): Lumber Incre , 1-7=-67, 7-11=-13 b) 7=-335	.00, Plate Increase=1.00) ase=1.00, Plate Increase=1.00			""""""""""""""""""""""""""""""""""""""	SEAL 28147	RANDING THE REPORT OF THE REPORT

Job	Truss	Truss Type	Qty	Ply	LOT 0.0036 HONEYCUTT HILLS 286 SHELB	Y MEADOW LANE ANGIER, NC
24-7417-F01	F1-10	Floor	6	1	Job Reference (optional)	# 52104

ın: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Sat Sep 7 20:57:02 2024 Page 2⊂ ID:5fxLxLn?C6dWjia?SHK4thzkcYI-NjmFFi?MhBfqkSHJwN920PoyZAb5OWYwCuq3iyyfwEV

LOAD CASE(S)

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

Uniform Loads (plf) Vert: 12-25=-7, 1-7=-13, 7-11=-67

Concentrated Loads (lb)

Vert: 7=-600 27=-335

- 5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
- Uniform Loads (plf) Vert: 12-25=-7, 1-7=-67, 7-11=-13
- Concentrated Loads (lb)
- Vert: 7=-600 27=-335
- 6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf)
- Vert: 12-25=-7, 1-7=-13, 7-11=-67
- Concentrated Loads (lb) Vert: 7=-600 27=-335



Job	Truss	Truss Type	Qty	Ply	LOT 0.0036 HONEYCU	TT HILLS 286 SHELBY N	MEADOW LANE ANGIER, NO
24-7417-F01	F1-11	Floor	3	1	Job Reference (optio	nal)	# 52104
		R	un: 8.430 s Feb 1	12 2021 Pri	nt: 8.630 s Jul 12 2024 M	iTek Industries, Inc. Sat S	Gep 7 20:57:03 2024 Page 1
0-1-8			ID.JIXEXEIT: C	Journia : C			
H ⊢ 1-3-0		<u>⊢_1</u>	-4-8				0-10-12 Scale = 1:38.2
3x4 = 1.5x3 = 1 26b 25 25 24 $3x4 \parallel$ 3x4 =	3x4 = 3x4 = 2 $2 T1$ $3x4 = 2$ 23 $3x4 = 3$	3x8 = $3x8 FP = 3x4 =$ $4 5 6$ $3x8 FP = 3x4 =$ $4 5 6$ $3x8 =$ $3x4 =$ $4 5 6$ $3x4 =$ $3x4 =$ $4 5 6$ $3x4 =$ $4 4 =$ $3x4 =$ $4x4 =$ $3x4 =$ $3x$	3x8 = 7 18 18 3x4	17 3x4 =	3x4 = 3x 8 9 9 16 15 3x8 FP = 3x4 = 3x4 = 3x4	44 = 3x4 = 10 10 12 14 3x4 =	= 3x6 = 11 11 13 12 $3x4 = 3x4 $
<u>1-6-0</u> <u>1-6-0</u> Plate Offsets (X,Y) [25	4-0-0 6-6-0 2-6-0 2-6-0 :Edge.0-1-8]	+ 9-1-8 + 11-7-8 + 1 2-7-8 2-6-0 1	<u>3-1-8 14-6-(</u> 1-6-0 1-4-8	0	17-0-0 19- 2-6-0 2-	6-0 <u>22-0-0</u> 5-0 <u>2-6-0</u>	23-1-12
LOADING (psf) TCLL 40.0	SPACING- 1-4-0 Plate Grip DOL 1.00	CSI. DEI TC 0.31 Ver	FL. in t(LL) -0.06	(loc) 22	l/defl L/d >999 480	PLATES MT20	GRIP 244/190
TCDL 10.0 BCLL 0.0 BCDL 5.0	Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	BC 0.25 Ver WB 0.43 Hor Matrix-SH	t(CT) -0.08 rz(CT) 0.01	22 ÷ 18	>999 360 n/a n/a	Weight: 115 lb	FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SP N BOT CHORD 2x4 SP N WEBS 2x4 SP N	o.1(flat) o.1(flat) o.3(flat)	BR TOI BO	ACING- P CHORD T CHORD	Structura end vert Rigid ce	al wood sheathing d icals. iling directly applied	irectly applied or 6-0- or 6-0-0 oc bracing.	-0 oc purlins, except
REACTIONS. (Ib/size) Max Grav	25=380/0-7-8 (min. 0-1-8), /25=400(LC 3), 12=303(LC -	12=241/0-4-8 (min. 0-1-8), 18=1054/0-4 4), 18=1054(LC 1)	1-8 (min. 0-1-8	8)			
FORCES. (Ib) - Max. Co TOP CHORD 25-26=- 6 7=0/5	omp./Max. Ten All forces 2 397/0, 1-26=-396/0, 11-12=- 16_7 8=0/778_8 0= 545/384	50 (lb) or less except when shown. 301/0, 1-2=-519/0, 2-3=-1143/0, 3-4=-12 9 10- 678/123 10 11- 281/10	216/0, 4-5=-12	16/0, 5-6	=-748/62,		
BOT CHORD 23-24=0	//967, 22-23=0/1295, 21-22=	0/1109, 20-21=0/1109, 19-20=-213/379,	18-19=-1300/	/0, 17-18	=-1306/0,		
WEBS 7-18=-1 8-15=0	/363, 9-15=-332/0, 10-13=-3	17/0, 5-20=-475/0, 6-20=0/491, 6-19=-79 97/39, 11-13=-13/371	3/0, 7-19=0/90	09, 7-17=	=0/706, 8-17=-653/0		
NOTES- (4) 1) Unbalanced floor live 2) Recommend 2x6 stron be attached to walls a 3) CAUTION, Do not ere	loads have been considered ngbacks, on edge, spaced a t their outer ends or restrain ct truss backwards.	for this design. t 10-0-0 oc and fastened to each truss w ed by other means.	vith 3-10d (0.1	31" X 3")) nails. Strongbacks	to	

LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	LOT 0.0036 HONEYCUTT HI	LLS 286 SHELBY MEADO	W LANE ANGIER, NC
24-7417-F01	F1-12	Floor	2	1		#	52104
			Run: 8.430 s Feb 1	2 2021 Pri	JOD Reference (optional) int: 8.630 s Jul 12 2024 MiTek I	Industries, Inc. Sat Sep 7 20	0:57:03 2024 Page 1
1-3-0			ID:5fxLxLn /Ct	odvvjia?S		InLCSVVU5gHZCLH_aXq72	
							Scale = 1:38.0
		3x8 =					4x6 =
3x6 =	3x4 = 3x4 =	3x8 FP= 3x4 =	3x8 =		3x4 = 1.5x3 3x4 =	= 3x4 =	3x4
				T2			14W5J3
			W3 -			Beer W4	
	₹			<u>1≬</u> t		<u></u>	<u>hanka</u> [.
27 26	25	24 23 22	21 20	19	18 17	16	15 14
3x4 ∥ 3x4 =	3x4 =	$3x4 = 1.5x3 \parallel 3x4 =$	3x6 = 3x4 ∥	3x4 =	3x8 FP=3x8 =	3x4 =	3x6 =
							4x6 =
I		13-2-4	1		22-6-8		23-2-8
Plate Offsets (X Y) 1	[14·Edge 0-1-8] [27·Edge (13-2-4)-1-8]	I		9-4-4		0-8-0
				(1	1/1-1-1		
TCLL 40.0	Plate Grip DOL 1	.00 TC 0.37	Vert(LL) -0.06	(IOC) 24	>999 480	MT20 244/1	, 190
TCDL 10.0	Lumber DOL 1	.00 BC 0.27	Vert(CT) -0.08	24	>999 360		
BCDL 5.0	Code IRC2021/TPI2	014 Matrix-SH		14	n/a n/a	Weight: 119 lb FT	= 20%F, 11%E
LUMBER-			BRACING-				
TOP CHORD 2x4 SP	No.1(flat)		TOP CHORD	Structur	al wood sheathing direct	ly applied or 6-0-0 oc p	ourlins, except
WEBS 2x4 SP	'No.1(flat) 'No.3(flat)		BOT CHORD	end veri Rigid ce	ticals. Filing directly applied or 6	δ-0-0 oc bracing.	
	$\sim 27 - 270/0.4.9$ (min 0.1	(2) - 1121/0 4 9 (min 0 1 9) 14	-1040/0.4.8 (min 0.1	0)	0 7 11	Ũ	
Max G	rav 27=400(LC 3), 20=1121	(LC 1), 14=1111(LC 4)	- 1049/0-4-0 (11111. 0-1	-0)			
FORCES. (Ib) - Max	Comp /Max Ten - All force	es 250 (lb) or less except when sho	wn				
TOP CHORD 1-27=	-395/0, 1-2=-509/0, 2-3=-1	122/0, 3-4=-1180/0, 4-5=-1180/0, 5	-6=-698/127,				
6-7=0 BOT CHORD 25-26	0/582, 7-8=0/802, 8-9=-718, 6=0/954, 24-25=0/1266, 23-	224, 9-10=-718/224, 10-11=-978/0 24=0/1066, 22-23=0/1066, 21-22=-	, 11-12=-672/0 288/322, 20-21=-1408/	0,			
19-20 WEBS 7 20-	=-1417/0, 18-19=-513/394	17-18=-513/394, 16-17=0/960, 15-	16=0/968, 14-15=0/672	2			
7-20= 7-21=	=1093/0, 1-26=0/604, 2-26 0/948, 7-19=0/804, 8-19=-	542/0, 5-22=-483/0, 6-22=0/499, 1 744/0, 8-17=0/514, 10-17=-399/0, 1	1-15=-338/154,				
12-14	1277/0						
NOTES- (5)							
1) Unbalanced floor liv 2) Load case(s) 1, 2, 3	/e loads have been conside 3. 4. 5. 6 has/have been mo	ered for this design. odified, Building designer must revie	ew loads to verify that th	nev are o	correct for the intended		
use of this truss.							
 Recommend 2x6 st be attached to walls 	rongbacks, on edge, space s at their outer ends or rest	ed at 10-0-0 oc and fastened to eac rained by other means.	ch truss with 3-10d (0.13	31" X 3") nails. Strongbacks to		
4) CAUTION, Do not e	erect truss backwards.	,					
LOAD CASE(S) Stand	dard						
1) Dead + Floor Live (balanced): Lumber Increas	e=1.00, Plate Increase=1.00					
Vert: 14-27	=-7, 1-13=-67					WHINTH CARO	11.
Concentrated Load Vert: 12=-8	s (lb) 65				1111	OFESSION	19 mg
2) Dead: Lumber Incre	ease=1.00, Plate Increase=	1.00			(IIII)	12 1 de	*
Uniform Loads (plf) Vert: 14-27	=-7, 1-13=-67					SEAL	
Concentrated Load	s (lb)				URI I	28147	1 5
3) 1st Dead + Floor Li	ve (unbalanced): Lumber lr	ncrease=1.00, Plate Increase=1.00			IIIII	S. Shance	Inn
Uniform Loads (plf)	-7 1-7-67 7 12- 12				ALC: NO	ARY	annut .
Concentrated Load	s (lb)					Manna K. MUMM	
Vert: 12=-8	65					9/6/2024	

Job	Truss	Truss Type	Qty	Ply	LOT 0.0036 HONEYCUTT HILLS 286 SHE	LBY MEADOW LANE ANGIER, NC
24-7417-F01	F1-12	Floor	2	1	Job Reference (optional)	# 52104
		Run	8/30 c Feb	12 2021 Pr	int: 8 630 s. Jul 12 2024 MiTek Industries Inc.	Sat Sen 7 20:57:03 2024 Page 2

un: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Sat Sep 7 20:57:03 2024 Page 2 ID:5fxLxLn?C6dWjia?SHK4thzkcYI-rvKdT20_SVnhLcsWU5gHZcLH_axq7zu4RYacEOyfwEU

LOAD CASE(S) Standard

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

Uniform Loads (plf) Vert: 14-27=-7, 1-7=-13, 7-13=-67

Concentrated Loads (lb)

- Vert: 12=-865
- 5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
- Uniform Loads (plf)
- Vert: 14-27=-7, 1-7=-67, 7-13=-13 Concentrated Loads (lb)
- Vert: 12=-865
- 6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf)
- Vert: 14-27=-7, 1-7=-13, 7-13=-67 Concentrated Loads (lb)
- Vert: 12=-865



Job	Truss	Truss Type	•		Qty	Ply	LOT 0.0036	B HONEYCUTT H	IILLS 286 SHELE	Y MEADOW LANE ANGIER, NO
24-7417-F01	F1-12A	Floor			7	1	Job Dofor	anaa (antional)		# 52104
				Run: 8.	430 s Feb 1	2 2021 Pri	JOD Refer nt: 8.630 s J	ul 12 2024 MiTek	Industries, Inc. S	at Sep 7 20:57:04 2024 Page 1
				D.5	IXLXLII?CO	uvvjia ?5r	TK4INZKCT	I-Jou (gin ICD)	V I ZINRIZOC VVOQ	0_3_8
1-3-0				1-5-4		1-0-4	1			0 _r 4 _r 0
					-		7			Scale = 1:38.0
		3x8	=							4x8 =
3x6 =	3x4 = 3x4 =	= 3x8 FP=	3x4 =		5x12 =	;	3x8 =	3x4 =	= 3x	4 = 3x4 ∥
1	2 3	4 5	6		7	Т2	8	9	1	0 1 1 ₩ð2
				Wat		WA				
		B 1 B 1				×/		В 2		
×	22	05 04	22		×	40	10	47	10	
28 27	20	25 24 3×4 - 15×	23 2 2×4 —	22 2v6 —	21 20	19 n	18 2v4 ·	17 2v4 —	10 2v4 —	15 14 13 2×4 II
5,4 5,4	5,44 —	5.44 — 1.5.4	5 5,44 —	3.0 -	3x4 4	r = -	584 5	384 —	5.4 —	4x4 = 4x6 =
					44.5.0					
		13-2-4			14-5-6 13-3-12	15-7-0	5-8-8 		22-6-8	23-2-8
•		13-2-4			0-'1'-8 <u>1-1-10</u>	' 1-1-10 0)-1-8		6-10-0	'0-8-0'
Plate Offsets (X,Y)	[13:Edge,0-1-8], [28:Edg	e,0-1-8]								
LOADING (psf)	SPACING-	1-4-0	CSI.	DEFL.	in	(loc)	l/defl l	_/d	PLATES	GRIP
TCLL 40.0 TCDI 10.0	Plate Grip DOL	1.00	TC 0.47 BC 0.41	Vert(LL)) -0.06) -0.08	25 × 16-17 ×	>999 4 >999 3	80 60	MT20	244/190
BCLL 0.0	Rep Stress Incr	NO	WB 0.62	Horz(C) 0.00 Г) 0.01	13	n/a r	n/a		
BCDL 5.0	Code IRC2021/TP	2014	Matrix-SH						Weight: 120	lb FT = 20%F, 11%E
LUMBER-				BRACIN	IG-					
TOP CHORD 2x4 SF BOT CHORD 2x4 SF	PNo.1(flat) PNo.1(flat)			TOP CH	IORD	Structura end verti	al wood sł icals.	neathing direc	tly applied or 6	5-0-0 oc purlins, except
WEBS 2x4 SF	P No.3(flat) *Except*			BOT CH	IORD	Rigid ce	iling direc	tly applied or	6-0-0 oc bracir	ng.
W2: 2>	(4 SP No.2(flat)									
REACTIONS. (Ib/size	e) 28=331/0-4-8 (min. 0	0-1-8), 21=1926/0)-4-8 (min. 0-1-8), 13	3=1223/0-4-8	(min. 0-1-	-8)				
Max G	arav 28=351(LC 3), 21=19	926(LC T), T3=T2	80(LC 4)							
FORCES. (lb) - Max.	Comp./Max. Ten All fo	orces 250 (lb) or l	ess except when sho	wn.	4					
6-7=	34770, 1-243470, 2-3- 0/1210, 7-8=-332/338, 8-9	9=-1881/0, 9-10=	-1676/0, 10-11=-963	, 5-6–-206/61 /0	4,					
BOT CHORD 26-27	7=0/810, 25-26=-119/986 2= 2100/0, 20 21= 2124/(, 24-25=-400/646	6, 23-24=-400/646, 22 18 10-0/1823 17 1	2-23=-845/0, 18-0/1823 16	17-0/100	м				
15-1	6=0/1426, 14-15=0/770,	13-14=0/770	, 10-19-0/1023, 17-1	10-0/1023, 10	-17-0/190	,				
WEBS 7-21:	=-1879/0, 1-27=0/515, 2-2	27=-459/2, 5-25=	0/258, 5-23=-568/0,	6-23=0/585, 0 10 16-0/30	м					
10-1	5=-565/0, 11-15=0/416, 1	1-13=-1462/0		0, 10-10-0/30	· - ,					
NOTES- (5)										
1) Unbalanced floor li	ve loads have been cons	idered for this de	sign.							
2) Load case(s) 1, 2, use of this truss	3, 4, 5, 6 has/have been	modified. Building	g designer must revie	ew loads to ve	erify that th	ney are c	correct for	the intended		
3) Recommend 2x6 s	trongbacks, on edge, spa	aced at 10-0-0 oc	and fastened to eac	ch truss with 3	8-10d (0.13	31" X 3")	nails. St	rongbacks to		
4) CAUTION Do not	s at their outer ends or re erect truss backwards	estrained by other	means.							
										14.
1) Dead + Floor Live	(balanced): Lumber Incre	ase=1.00 Plate I	ncrease=1 00						MINIMUM	APOUL
Uniform Loads (plf)								IN OP FES	SIA
Vert: 13-28 Concentrated Load	i=-7, 1-12=-67 Is (lb)							In	PRU	ANR IN
Vert: 8=-93	32 11=-865							Int	SEA	
2) Dead: Lumber Incr Uniform Loads (nlf	ease=1.00, Plate Increas)	e=1.00						100 Million	2814	47 j E
Vert: 13-28	=-7, 1-12=-67							IIIII		
Concentrated Load Vert: 8=-93	is (id) 32 11=-865							1m	A SNOIN	EER IS UN
3) 1st Dead + Floor L	ive (unbalanced): Lumbe	r Increase=1.00,	Plate Increase=1.00						MARK K	MORMUNI
Uniform Loads (plf) Vert: 13-28) =-7, 1-7=-67. 7-12=-13								A 11.11 2+111	all the
	,,								9/6/2	2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0036 HONEYCUTT HILLS 286 SHELBY N	EADOW LANE ANGIER, NC
24-7417-F01	F1-12A	Floor	7	1	Job Reference (optional)	# 52104

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Sat Sep 7 20:57:04 2024 Page 2 ID:5fxLxLn?C6dWjia?SHK4thzkcYI-J5u?gN1cDpvYzmRi2oCW5qtQ9_FxsOUDgCJ9mqyfwET

LOAD CASE(S)

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

- 4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
- Uniform Loads (plf)
- Vert: 13-28=-7, 1-7=-13, 7-12=-67
- Concentrated Loads (lb) Vert: 8=-932 11=-865
- 5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
- Uniform Loads (plf)
- Vert: 13-28=-7, 1-7=-67, 7-12=-13 Concentrated Loads (lb)
- Vert: 8=-932 11=-865
- 6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf)
- Vert: 13-28=-7, 1-7=-13, 7-12=-67
- Concentrated Loads (lb) Vert: 8=-932 11=-865



Job	Truss	Truss Type	Qty	Ply	LOT 0.0036 HONEYCUTT	HILLS 286 SHELBY N	IEADOW LANE ANGIER, NO
24-7417-F01	F1-13	Floor	1	1	Job Reference (optional	()	# 52104
		I	Run: 8.430 s Feb 1 ID:5fxLxLn?	12 2021 Pri C6dWjia?	nt: 8.630 s Jul 12 2024 MiTe SHK4thzkcYI-J5u?gN1cE	k Industries, Inc. Sat So DpvYzmRi2oCW5qt⊺	ep 7 20:57:04 2024 Page 1 Tt IYsRFDgCJ9mqyfwET
1-3-0					1-5-4		<u>1-0-0</u> 0 ₁ 1 ₇ 8
							Scale = 1:26.0
							3x4 =
_3x6 =	3x4 =	3x4 = 1.5x3 3x4 =	=	3x4 :	=	3x8 =	1.5x3 =
			\searrow		W3		W4 BU1 18 9
		B1					
16	15	14	13		12	10	. 🖉
3x4 3x4	= 3x4 =	3x8 =	3x4 =		3x6 =	3x4 3x	≪4 = 3x4
ļ		13-2-4				15-9	-12
Plate Offsets (X,Y) [8:	0-1-8,Edge], [17:Edge,0-1-8]	10-2-4					-0
LOADING (psf)	SPACING- 1-4-0	CSI. D	EFL. in	(loc)	l/defl L/d	PLATES	GRIP
TCLL 40.0 TCDL 10.0	Lumber DOL 1.00	BC 0.24 V	'ert(LL) -0.05 'ert(CT) -0.07	14 × 14 ×	>999 480 >999 360	M120 2	244/190
BCLL 0.0 BCDL 5.0	Rep Stress Incr YES Code IRC2021/TPI2014	WB 0.44 H Matrix-SH	lorz(CT) 0.01	11	n/a n/a	Weight: 80 lb	FT = 20%F. 11%E
TOP CHORD 2x4 SP N	lo.1(flat)	T	OP CHORD	Structura	al wood sheathing dire	ctly applied or 6-0-	-0 oc purlins, except
WEBS 2x4 SP N	lo.3(flat)	В	OT CHORD	Rigid ce	icals. iling directly applied or	6-0-0 oc bracing.	
REACTIONS. (lb/size)	17=395/0-4-8 (min. 0-1-8).	9=-353/0-3-8 (min. 0-1-8). 11=1096/0	-4-8 (min. 0-1-8	3)			
Max Upli Max Gra	ft9=-413(LC 3)	: 1)	- (,			
		· · · ·					
TOP CHORD 1-17=-3	omp./Max. Ten All forces 2 91/0, 9-18=0/419, 8-18=0/41	8, 1-2=-504/0, 2-3=-1098/0, 3-4=-116	9/0, 4-5=-1169/0), 5-6=-65	50/0, 6-7=0/378,		
7-8=0/5 BOT CHORD 15-16=0	40)/943, 14-15=0/1229, 13-14=	0/1002, 12-13=0/272, 11-12=-1189/0,	10-11=-1196/0				
WEBS 7-11=-1	065/0, 1-16=0/597, 2-16=-53	36/0, 5-13=-435/0, 6-13=0/468, 6-12=-7	791/0, 7-12=0/93	32, 7-10=	0/777, 8-10=-661/0		
NOTES- (5)	ta a da ta ana ta ang ang ata ata da ang d	for the start					
2) Provide mechanical of	connection (by others) of trus	s to bearing plate capable of withstand	ing 413 lb uplift	at joint 9			
 Recommend 2x6 stro be attached to walls a 	ngbacks, on edge, spaced a at their outer ends or restrain	t 10-0-0 oc and fastened to each truss ed by other means.	s with 3-10d (0.1	31" X 3")	nails. Strongbacks to		
4) CAUTION, Do not ere	ect truss backwards.	-					
LOAD CASE(S) Standa	rd						



Job	Truss	Truss Type	Qty	Ply LOT 0.00	36 HONEYCUTT HI	LLS 286 SHELBY I	MEADOW LANE ANGIER, NC
24-7417-F01	F1-14	Floor	4	1			# 52104
				Job Ref	erence (optional)		# 32104
			ID:5fxLxLn?	C6dWjia?SHK4thz	kcYI-J5u?gN1cDp	ovYzmRi2oCW5qt	Tt_IYsRFDgCJ9mqyfwET
1-3-0					1-5-4	1	1-0-0 0-1-8
					ŀ		
							Scale = 1:26.0
							3x4 =
	3x4 =	3x4 = 1.5x3 ∣∣	$3x4 \equiv$	3x4 =		3x8 =	1.5x3 =
$1^{3x6} =$	2	3 4	5_	6		7	8
				12			
3 11					W3 S		W4 H11 18 9
			_B1		$\overline{\mathbf{M}}$		
12 16	15	14	13		12		0
3x4 3x4 =	= 3x4 =	3x8 =	3x4 =		3x6 =	3x4 3	$x4 = 3x4 \parallel$
	on t		U. I.		ene -		
1-6-0	4-0-0	9-1-8	I	<u>11-7-8</u> 2-6-0	13-2-4	14-6-12	15-9-12
Plate Offsets (X,Y) [8:0	-1-8,Edge], [17:Edge,0-1-8]	3-1-0		2-0-0	1-0-12	1-4-0	1-0-0
	00100	001				BI 4750	
TCLL 40.0	Plate Grip DOI 1.00		Vert(LL) -0.05	(IOC) I/defi 14 >999	L/d 480	PLATES MT20	GRIP 244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.24	Vert(CT) -0.07	14 >999	360	11120	244/100
BCLL 0.0	Rep Stress Incr YES	WB 0.44	Horz(CT) 0.01	11 n/a	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)		TOP CHORD	Structural wood	sheathing direct	ly applied or 6-0	-0 oc purlins, except
BOT CHORD 2x4 SP No	.1(flat)			end verticals.	othy applied or G		
WED3 2X4 SP NO	.3(liat)		BUICHURD	Rigia celling alle	ectly applied of c	-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=1	096/0-4-8 (min. 0-1-8	5)			
Max Uplift	9=-413(LC 3)	4					
Max Grav	17=395(LC 3), 11=1096(LC	- 1)					
FORCES. (Ib) - Max. Con	mp./Max. Ten All forces 2	50 (lb) or less except when show	/n.				
TOP CHORD 1-17=-39	1/0, 9-18=0/419, 8-18=0/41	8, 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=0/54 BOT CHORD 15-16=0/	U 943 14-15=0/1229 13-14=	0/1002 12-13=0/272 11-12=-11	89/0 10-11=-1196/0				
WEBS 7-11=-10	65/0, 1-16=0/597, 2-16=-53	6/0, 5-13=-435/0, 6-13=0/468, 6-	-12=-791/0, 7-12=0/93	32, 7-10=0/777, 8	8-10=-661/0		
NUIES- (5) 1) Unbalanced floor live k	ade have been considered	for this design					
2) Provide mechanical co	nnection (by others) of truss	s to bearing plate capable of with	standing 413 lb uplift	at joint 9.			
3) Recommend 2x6 stron	gbacks, on edge, spaced at	t 10-0-0 oc and fastened to each	truss with 3-10d (0.1	31" X 3") nails. 🖇	Strongbacks to		
be attached to walls at	their outer ends or restraine	ed by other means.					
+) GAUTION, DU HUL EFEC	LUUSS DALKWATUS.						
LOAD CASE(S) Standard	I						



Job	Truss	Truss Type	Qty	Ply	LOT 0.0036 HONEYCUTT HI	LLS 286 SHELBY MEADOW LANE ANGIER, NC
24-7417-F01	F1-15	Floor	1	1		# 52104
			Run: 8.430 s Feb 1	2 2021 Pri	Job Reference (optional) nt: 8.630 s Jul 12 2024 MiTek I	Industries, Inc. Sat Sep 7 20:57:04 2024 Page 1
0.1.9			ID:5fxLxLn?C	6dWjia?	SHK4thzkcYI-J5u?gN1cDp	vYzmRi2oCW5qtTz_lasRSDgCJ9mqyfwET
1-3-0					1-4-8	, 1-0-0 , 0-1 _F 8
H						Scale = 1:26.0
2.4						.
3x4 = 15x3 =	3x4 —	3x4 = 1.5x3 ∐	3x4 ==	3x4	=	3x4 3x81 5x3
1	2	3 4	5_	6		7 8
				J.		
					W3	
			B1 8			
16	15	14	13		12	
3x4 3x4	= 3x4 =	3x8 =	3x4 =		4x4 =	3x4 3x4 = 3x4
Plate Offsets (X Y) 18:0)-1-8 Edge] [17:Edge ()-1-8]	13-1-8 13-1-8				<u> </u>
		001		(1)		
TCLL 40.0	Plate Grip DOL 1.00	TC 0.29	Vert(LL) -0.05	(IOC) 14	>999 480	MT20 244/190
TCDL 10.0 BCLL 0.0	Lumber DOL 1.00 Rep Stress Incr YES	BC 0.24 WB 0.43	Vert(CT) -0.07 Horz(CT) 0.01	14 : 11	>999 360 n/a n/a	
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH	1012(01) 0.01		n/a n/a	Weight: 80 lb FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SP N BOT CHORD 2x4 SP N WEBS 2x4 SP N	o.1(flat) o.1(flat) o.3(flat)		BRACING- TOP CHORD BOT CHORD	Structur end vert Rigid ce	al wood sheathing direct icals. iling directly applied or 6	ly applied or 6-0-0 oc purlins, except i-0-0 oc bracing.
REACTIONS. (Ib/size) Max Uplif Max Grav	17=389/0-3-8 (min. 0-1-8), t9=-409(LC 3) r17=389(LC 3), 11=1088(LC	9=-348/0-7-8 (min. 0-1-8), 11= 1)	1088/0-4-8 (min. 0-1-8)		
FORCES. (lb) - Max. Co TOP CHORD 17-18= 6-7=0/3	omp./Max. Ten All forces 2 386/0, 1-18=-385/0, 9-19=0/- 99, 7-8=0/535	50 (lb) or less except when sho 414, 8-19=0/414, 1-2=-503/0, 2	own. -3=-1090/0, 3-4=-1155/	0, 4-5=-^	1155/0, 5-6=-632/0,	
BOT CHORD 15-16=0 WEBS 7-11=-10	/936, 14-15=0/1219, 13-14= 057/0, 1-16=0/571, 2-16=-52	0/986, 11-12=-1178/0, 10-11=- 9/0, 5-13=-439/0, 6-13=0/472,	1183/0 6-12=-791/0, 7-12=0/90	04, 7-10=	=0/768, 8-10=-654/0	
NOTES- (5) 1) Unbalanced floor live 2) Provide mechanical cr 3) Recommend 2x6 stron be attached to walls a 4) CAUTION, Do not ere	loads have been considered onnection (by others) of trus: ngbacks, on edge, spaced a t their outer ends or restrain ct truss backwards.	for this design. s to bearing plate capable of wit t 10-0-0 oc and fastened to eac ed by other means.	thstanding 409 lb uplift ch truss with 3-10d (0.1	at joint 9 31" X 3")) nails. Strongbacks to	

LOAD CASE(S) Standard



Job	Truss	Truss Type			Qty	Ply LOT 0.00	36 HONEYCUTT HI	LLS 286 SHELBY N	IEADOW LANE ANG	ER, N
24-7417-F01	F1-19	GABLE			1	1	erence (ontional)		# 52104	
0-1-8				Run:	8.430 s Feb ID:5fxLxL	2 2021 Print: 8.630 s n?C6dWjia?SHK4	Jul 12 2024 MiTek thzkcYI-nISOtj1E	Industries, Inc. Sat S _61Pbv0ubWjle1Q	ep 7 20:57:05 2024 1 iLOgTb_xMus3jJH Scale =	page 1 /fwE\$ 1:22.9
$1.5x3 \\ 1.5x3 = 1. \\ 1 2 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$	5x3 1.5x3 3 • • • • • T1 ST1	1.5x3 4 ST1	1.5x3 5 ST1	6 ^{3x4} = T1 ST1 W2	1.5x3 7 ST1	1.5x3 8 ST1 0	1.5x3 9 ST1	1.5x3 10 ST1	1.5x3 3x4 11 12 ST1 W1	
24 2 3x4 1.	XXXXXXXXXXXX 3 22 5x3 1.5x3	21 1.5x3	20 1.5x3	19 1.5x3	18 3x4 =	17 1.5x3	16 1.5x3	XXXXXXXXX 15 1.5x3 ∏	XXXXXXX 14 13 3x4 1.5x3	
⊢ 1-4-0 1-4-0 Plate Offsets (X,Y) [<u>- 2-8-0 4-(</u> - <u>1-4-0 1-4</u> 6:0-1-8,Edge], [18:0-1-8])-0 5-4-(1-0 1-4-(,Edge], [24:Edge,) 6-8-0) 1-4-0)-1-8]	8-0-0 1-4-0		9-4-0 10 1-4-0 1·	1-8-0 <u> 12</u> - 1-0 1-	-0-0 13-4 4-0 1-4	13-11-8 -0 0-7-8	
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/TP	2-0-0 1.00 1.00 YES VI2014	CSI. TC 0.06 BC 0.01 WB 0.03 Matrix-SH	DEFL Vert(L Vert(C Horz(. in .L) n/a CT) n/a CT) 0.00	(loc) l/defl - n/a - n/a 13 n/a	L/d 999 999 n/a	PLATES MT20	GRIP 244/190 FT = 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)			BRAC TOP C BOT C	ing- Chord Chord	Structural wood end verticals. Rigid ceiling dire	sheathing direct	lly applied or 6-0- 10-0-0 oc bracing	0 oc purlins, exc	ept

REACTIONS. All bearings 13-11-8.

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

FORCES. (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



Job	Truss	Truss Type		Qty	Ply	LOT 0.0036 HONEYCUTT HILLS	286 SHELBY MEADO	W LANE ANGIER, NC
24-7417-F01	F1-20	Floor		4	1	Job Reference (optional)	#	52104
			Ri	un: 8.430 s Feb ID:5fxLxLi	12 2021 Pri n?C6dWjia	nt: 8.630 s Jul 12 2024 MiTek Indus ?SHK4thzkcYI-nISOtj1E_61PI	stries, Inc. Sat Sep 720 0v0ubWjle1QdeOXH):57:05 2024 Page 1 bseMus3jJHyfwES
0-1-8					,		,	- 1- 1
H 1-3-0							<u>⊢ 1-2</u> -	<u>4</u>
								Scale = 1:23.5
4x4 =								
1.5x3 =	3x4 =	3x4 =		3x8 =		3x4 =	4x4 =	3x4
1	2	3		4		5	6	7
				7R				
		\sim	\searrow		\sim			
	*4							
15	14	13	12	11	10	9		8
3x4	3x8 =	3x4 =	3x4 =	1.5x3	3x4 =	4x4 =	=	3x6 =

1-6-0 1-6-0	4-0-0	6-6-0 2-6-0	9-1-8 2-7-8	<u>11-7-8</u> 2-6-0	<u>14-0-12</u> <u>14-3-</u> 12 <u>2-5-4</u> <u>0-3-0</u>
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 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 0.36 BC 0.59 WB 0.56 Matrix-SH	DEFL. in Vert(LL) -0.17 Vert(CT) -0.23 Horz(CT) 0.04	(loc) l/defl L/d 11-12 >999 480 11-12 >739 360 8 n/a n/a	PLATES MT20 GRIP 244/190 Weight: 71 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 CHORD BOT CHORD	Structural wood sheathing di end verticals. Rigid ceiling directly applied	irectly applied or 6-0-0 oc purlins, except or 10-0-0 oc bracing.

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

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

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

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

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

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 0.0036 HONEYCUTT HILLS 286 SHELBY MEADOW LANE ANGIER, NO
24-7417-F01	F1-21	Floor Girder	1	1	Job Reference (optional) # 52104
0.1-8		Run: 8. ID	430 s Feb 5fxLxLn	12 2021 Pri 2C6dWjia	nt: 8.630 s Jul 12 2024 MiTek Industries, Inc. Sat Sep 7 20:57:05 2024 Page 1 SHK4thzkcYI-nISOtj1E_61Pbv0ubWjle1QZ8OSwbmUMus3jJHyfwES



	4-9-4 4-9-4 [7:0-3-0 Edge] [15:0-1-8 Edge]	<u>د</u>	9-5-12 4-8-8		14-3-12 4-10-0		
Flate Offsets (A, I)	[7.0-3-0, Luge], [13.0-1-0, Luge]						
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr NO Code IRC2021/TPI2014	CSI. TC 0.58 BC 0.94 WB 0.96 Matrix-SH	DEFL. in Vert(LL) -0.29 Vert(CT) -0.36 Horz(CT) 0.05	(loc) I/defl L/d 2-13 >582 480 2-13 >471 360 8 n/a n/a	PLATES MT20 Weight: 112 lb	GRIP 244/190 FT = 20%F, 11%E	
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF WEBS 2x4 SF W2: 2x	P No.1(flat) P No.1(flat) P No.3(flat) *Except* 4 SP No.2(flat)		BRACING- TOP CHORD BOT CHORD	Structural wood sheathir end verticals. Rigid ceiling directly app	ng directly applied or 6-0- lied or 10-0-0 oc bracing	0 oc purlins, except	

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

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

TOP CHORD 1-17=-1420/0, 7-8=-1434/0, 1-2=-2401/0, 2-3=-6230/0, 3-18=-7839/0, 4-18=-7839/0, 4-19=-7716/0, 5-19=-7716/0, 5-6=-5453/0, 6-7=-1493/0

BOT CHORD 15-16=0/4497, 14-15=0/7313, 13-14=0/7314, 12-13=0/8289, 11-12=0/7252, 10-11=0/7255, 9-10=0/3697

WEBS 3-13=0/602, 4-13=-525/0, 4-12=-669/0, 5-12=0/614, 5-10=-2063/0, 6-10=0/2048, 6-9=-2571/0, 7-9=0/2008,

1-16=0/2716, 2-16=-2445/0, 2-15=0/2022, 3-15=-1481/0

NOTES- (6)

1) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to

be attached to walls at their outer ends or restrained by other means.

2) CAUTION, Do not erect truss backwards.

3) Use Simpson Strong-Tie THA422 (6-16d Girder, 6-10d Truss) or equivalent spaced at 1-7-3 oc max. starting at 4-9-4 from the left end to

9-5-12 to connect truss(es) F1-24 (1 ply 2x4 SP), F1-23 (1 ply 2x4 SP), F1-22 (1 ply 2x4 SP) to back face of top chord.

4) Fill all nail holes where hanger is in contact with lumber.

5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

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

Uniform Loads (plf)

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

Concentrated Loads (lb)

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



Job	Truss	Truss Type	Qty	Ply	LOT 0.0036 HONEYCUTT HILLS 286 SHE	LBY MEADOW LANE ANGIER, NC
24-7417-F01	F1-22	Floor Girder	1	1	Job Reference (optional)	# 52104
Run 8 430 s Feb 12 2021 Print 8 630 s Jul 12 2024 MiTek Industries Inc. Sat Sep 7 20:57:05 2024 Page 1						

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Sat Sep 7 20:57:05 2024 Page 1 ID:5fxLxLn?C6dWjia?SHK4thzkcYI-nISOtj1E_61Pbv0ubWjle1QbROdmbt3Mus3jJHyfwES

0-11-8 Scale = 1:17.3



	2-1-0 <u>1-6-0 1-11-8 3-5</u> <u>1-6-0 0-5-80-1-8 1-4</u>	-8	<u>5-11-8</u> 2-6-0	8-5-8 2-6-0	<u>9-8-0</u> 1-2-8		
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr NO Code IRC2021/TPI2014	CSI. TC 0.50 BC 0.24 WB 0.47 Matrix-SH	DEFL. in Vert(LL) -0.03 Vert(CT) -0.03 Horz(CT) 0.01	(loc) l/defl L/d 8 >999 480 8 >999 360 6 n/a n/a	PLATES GRIP MT20 244/190 Weight: 51 lb FT = 20%F, 11%E		
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 o end verticals. Rigid ceiling directly applied	directly applied or 6-0-0 oc purlins, except d or 6-0-0 oc bracing.		
REACTIONS. (Ib/siz Max G	e)	0 (min. 0-1-8)					
FORCES. (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. TOP CHORD 5-6=-543/0, 1-2=0/623, 3-16=-994/0, 4-16=-994/0, 4-17=-517/0, 5-17=-517/0 BOT CHORD 10-11=-902/0, 9-10=-871/0, 8-9=0/863, 7-8=0/1088 WEBS 2-10=-1320/0, 1-11=-749/0, 2-11=0/489, 2-9=0/990, 3-9=-929/0, 4-7=-697/0, 5-7=0/665							
 NOTES- (9) 1) Unbalanced floor live loads have been considered for this design. 2) Refer to girder(s) for truss to truss connections. 3) Load case(s) 1, 2, 3, 4, 5, 6 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss. 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means. 5) CAUTION, Do not erect truss backwards. 6) Use Simpson Strong-Tie THA422 (Single Chord Girder) or equivalent spaced at 2-0-0 oc max. starting at 4-1-4 from the left end to 8-1-4 to connect truss(es) F1-27 (1 ply 2x4 SP) to back face of top chord. 7) Fill all nail holes where hanger is in contact with lumber. 8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B). 							
LOAD CASE(S) Stan 1) Dead + Floor Live Uniform Loads (plf Vert: 6-12= Concentrated Load Vert: 1=-26 2) Dead: Lumber Incr Uniform Loads (plf Vert: 6-12= Concentrated Load Vert: 1=-26 3) 1st Dead + Floor L Uniform Loads (plf Vert: 6-12= Concentrated Load Vert: 1=-26	dard (balanced): Lumber Increase=1.00, Pl) -10, 1-2=-190(F=-90), 2-5=-100 is (ib) 44 15=-144(B) 16=-144(B) 17=-144(B) ease=1.00, Plate Increase=1.00) -10, 1-2=-190(F=-90), 2-5=-100 is (ib) 44 15=-144(B) 16=-144(B) 17=-144(B) ive (unbalanced): Lumber Increase=1) -10, 1-2=-190(F=-90), 2-5=-20 is (ib) 44 15=-224(B) 16=-224(B) 17=-224(B)	ate Increase=1.00 .00, Plate Increase=1.00)		SEAL 28147 0/6/2024		

Job	Truss	Truss Type	Qty	Ply	LOT 0.0036 HONEYCUTT HILLS 286 SHEL	LBY MEADOW LANE ANGIER, NC
24-7417-F01	F1-22	Floor Girder	1	1	Job Reference (optional)	# 52104
		R	up: 8/130 s Eeb	12 2021 Pri	int: 8,630 s. Jul 12 2024 MiTek Industries Inc.	Sat Sep. 7 20:57:05 2024 Page 2

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LOAD CASE(S) Standard

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

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

- Concentrated Loads (lb)
- Vert: 1=-264 15-144(B) 16=-144(B) 17=-144(B)
- 5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf)
 - Vert: 6-12=-10, 1-2=-190(F=-90), 2-5=-20 Concentrated Loads (lb)
- Vert: 1=-264 15-224(B) 16-224(B) 17-224(B) 6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
 - Uniform Loads (plf) Vert: 6-12=-10, 1-2=-110(F=-90), 2-5=-100

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



Job	Truss	Truss Type	Qty	Ply LOT 0.0036 HONE	YCUTT HILLS 286 SHELBY MEADOW LANE ANGIER, N
24-7417-F01	F1-23	Floor Special	2	1 Job Reference (optional) # 52104
			Run: 8.430 s Fe ID:5fxLxLn?	eb 12 2021 Print: 8.630 s Jul 12 20 PC6dWjia?SHK4thzkcYI-FU0r	024 MiTek Industries, Inc. Sat Sep 7 20:57:06 2024 Page 1 n532sIQ9GC3b59DE?AFznco_ZKNrW7WoGrjyfwEF
0-1-8	120 050				0.44.0
HH	1-3-0 0-5-8				<u>0-11-8</u> Scale = 1:17.3
1 ^{3x}	4 = ^{3x8} 2	=	3x4 = 3	3x4 = 4	3x6 = 5
		_			
	1.5x3				W4 W1 5
				NT I	
			DI		
12 1 5x3	11 10 3v4 -	9 3v4 -		8 3x4 —	7 6 3v4 —
1.040	3x43x4	5X4		574 —	3x4
L	2-1-0 1-6-0 1-1-11-8	3-5-8	5-11-8	8-5-8	9-8-0
	<u>1-6-0</u> <u>0-5-80¹1-8</u>	1-4-8	2-6-0	2-6-0	1-2-8
LOADING (psf) TCLL 40.0	Plate Grip DOL 1.	1-0 CSI. 00 TC 0.35	DEFL. Vert(LL) -0.0	in (loc) l/defl L/d 02 8 >999 480	PLATES GRIP MT20 244/190
TCDL 10.0 BCLL 0.0	Lumber DOL 1. Rep Stress Incr N	00 BC 0.14 NO WB 0.31	Vert(CT) -0.0 Horz(CT) 0.0	02 8 >999 360 00 6 n/a n/a	
BCDL 5.0	Code IRC2021/TPI20	14 Matrix-SH			Weight: 51 lb FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 S	P No.1(flat)		BRACING- TOP CHORD	Structural wood sheathi	ng directly applied or 6-0-0 oc purlins, except
BOT CHORD 2x4 S WEBS 2x4 S	P No.1(flat) P No.3(flat)		BOT CHORD	end verticals. Rigid ceiling directly ap	blied or 6-0-0 oc bracing.
REACTIONS. (Ib/siz	ze) 6=317/Mechanical, 10=9	76/0-8-0 (min. 0-1-8)			C C
Max (Grav 6=336(LC 4), 10=976(LC	; 1)			
FORCES. (lb) - Max TOP CHORD 5-6=	. Comp./Max. Ten All force -332/0. 1-2=0/522. 2-3=0/501	s 250 (lb) or less except wi . 3-4=-546/145. 4-5=-297/	hen shown. 2		
BOT CHORD 10-1 WEBS 2-10	1=-763/0, 9-10=-745/0, 8-9=-)=-940/0 1-11=-627/0 2-11=0	296/443, 7-8=-33/611)/423_2-9=0/650_3-9=-598	3/0 4-7=-384/38 5-7=-3/381		
NOTES- (6)			,		
1) Unbalanced floor	live loads have been consider	ed for this design.			
3) Load case(s) 1, 2,	3, 4, 5, 6 has/have been mod	Jified. Building designer mi	ust review loads to verify tha	at they are correct for the in	tended
4) Recommend 2x6	strongbacks, on edge, spaced	at 10-0-0 oc and fastene	d to each truss with 3-10d (0	0.131" X 3") nails. Strongb	acks to
5) CAUTION, Do not	erect truss backwards.				
LOAD CASE(S) Star	ndard		0		
Uniform Loads (pl	(Dalanceu). Lumber increase f) = 10, 1 5- 100	- 1.00, Flate increase=1.00	U		
Concentrated Loa	ds (lb)				
2) Dead: Lumber Inc	rease=1.00, Plate Increase=1	.00			

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

Concentrated Loads (lb)

Vert: 1=-264

 3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 6-12=-10, 1-2=-100, 2-5=-20

Concentrated Loads (lb)

Vert: 1=-264

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

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



11033		Qty	FIY	LOT 0.0036 HONEYCUTT HILLS 286 SF	IELBY MEADOW LANE ANGIER, NC
24-7417-F01 F1-23	Floor Special	2	1	Job Reference (optional)	# 52104

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LOAD CASE(S) Standard Concentrated Loads (lb) Vert: 1=-264 5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 6-12=-10, 1-2=-100, 2-5=-20 Concentrated Loads (lb) Vert: 1=-264 6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 6-12=-10, 1-2=-20, 2-5=-100

Concentrated Loads (lb) Vert: 1=-264



Job	Truss	Truss Type	Qty	Ply	LOT 0.0036 HONEYCUTT HILLS 286 SHELBY M	IEADOW LANE ANGIER, NC
24-7417-F01	F1-24	Floor Girder	1	1	Job Reference (optional)	# 52104
		Run:	8.430 s Feb	12 2021 Pri	int: 8.630 s Jul 12 2024 MiTek Industries, Inc. Sat Se	ep 7 20:57:06 2024 Page 1



	2-1-0 <u>1-6-0</u> <u>1-11-8</u> <u>3-5</u> <u>1-6-0</u> 0-5-80-1-8 <u>1-4</u>	-8 -8	<u>5-11-8</u> 2-6-0	8-5-8	9-8-0 1-2-8			
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 NO	CSI. TC 0.53 BC 0.24 WB 0.47	DEFL. in Vert(LL) -0.03 Vert(CT) -0.03 Horz(CT) 0.01	(loc) l/defl L/d 8 >999 480 8 >999 360 6 n/a n/a	PLATES GRIP MT20 244/190			
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH			Weight: 51 lb FT = 20%F, 11%E			
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 end verticals. Rigid ceiling directly applie	ural wood sheathing directly applied or 6-0-0 oc purlins, except erticals. ceiling directly applied or 6-0-0 oc bracing.			
REACTIONS. (Ib/size Max G	REACTIONS. (lb/size) 6=506/Mechanical, 10=1382/0-8-0 (min. 0-1-8) Max Grav6=525(LC 4), 10=1382(LC 1)							
FORCES. (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. TOP CHORD 5-6=-521/0, 1-2=0/616, 3-16=-984/0, 4-17=-508/0, 5-17=-508/0 BOT CHORD 10-11=-891/0, 9-10=-859/0, 8-9=0/862, 7-8=0/1068 WEBS 2-10=-1332/0, 1-11=-740/0, 2-11=0/483, 2-9=0/985, 3-9=-924/0, 4-7=-684/0, 5-7=0/653								
 NOTES- (9) 1) Unbalanced floor live loads have been considered for this design. 2) Refer to girder(s) for truss to truss connections. 3) Load case(s) 1, 2, 3, 4, 5, 6 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss. 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means. 5) CAUTION, Do not erect truss backwards. 6) Use Simpson Strong-Tie THA422 (Single Chord Girder) or equivalent spaced at 2-0-0 oc max. starting at 3-9-12 from the left end to 7-9-12 to connect truss(es) F1-25 (1 ply 2x4 SP) to front face of top chord. 7) Fill all nail holes where hanger is in contact with lumber. 8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B). 								
LOAD CASE(S) Stan. 1) Dead + Floor Live (Uniform Loads (plf) Vert: 6-12= Concentrated Load Vert: 1=-26 2) Dead: Lumber Incr Uniform Loads (plf) Vert: 6-12= Concentrated Load Vert: 1=-26 3) 1st Dead + Floor Li Uniform Loads (plf) Vert: 6-12= Concentrated Load Vert: 6-12= Concentrated Load	dard (balanced): Lumber Increase=1.00, PI -10, 1-2=-190, 2-5=-100 Is (Ib) 4 15=-141(F) 16=-141(F) 17=-141(F) ease=1.00, Plate Increase=1.00 -10, 1-2=-190, 2-5=-100 Is (Ib) 4 15=-141(F) 16=-141(F) 17=-141(F) ve (unbalanced): Lumber Increase=1 -10, 1-2=-190, 2-5=-20 Is (Ib) 4 15=-224(F) 42=-224(F) 47=-224(F)	ate Increase=1.00 .00, Plate Increase=1.00)		SEAL 28147			
Vert: 1=-26	4 15=-221(F) 16=-221(F) 17=-221(F)				9/6/2024			

Job	Truss	Truss Type	Qty	Ply	LOT 0.0036 HONEYCUTT HILLS 286 SHELBY	MEADOW LANE ANGIER, NC		
24-7417-F01	F1-24	Floor Girder	1	1	Job Reference (optional)	# 52104		
Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Sat Sep 7 20:57:06 2024 Page 2 ID:5fxLxLn?C6dWjia?SHK4thzkcYI-FU0m532sIQ9GC3b59DE?AFzkooz3KKLW7WoGrjyfwEF								

LOAD CASE(S) Standard

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

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

Concentrated Loads (lb)

- Vert: 1=-264 15=-141(F) 16=-141(F) 17=-141(F)
- 5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf)
 - Vert: 6-ï2=-10, 1-2=-190, 2-5=-20
 - Concentrated Loads (lb)
- Vert: 1=-264 15=-221(F) 16=-221(F) 17=-221(F) 6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
 - Uniform Loads (plf) Vert: 6-12=-10, 1-2=-110, 2-5=-100

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





LUMBER-

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

TOP CHORD Structural wood sheathing directly applied or 4-7-8 oc purlins, except end verticals BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

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

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

NOTES-(3)

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

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

LOAD CASE(S) Standard





2x4 SP No.3(flat)

REACTIONS. All bearings 4-7-8.

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

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





LUMBER-

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

TOP CHORD Structural wood sheathing directly applied or 4-8-4 oc purlins, except end verticals BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

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

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

NOTES-(3)

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

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

LOAD CASE(S) Standard





REACTIONS. All bearings 4-7-8.

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

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



Job	Truss	Truss Type	Qty	Ply	LOT 0.0036 HONEYCUTT HILLS 286 SHELBY MEADOW LANE ANGIER,
24-7417-F01	F1-29	Floor	1	1	Job Reference (optional) # 52104
		I	Run: 8.430 s Feb ID:5fxLxLn	12 2021 Pri ?C6dWjia	nit: 8.630 s Jul 12 2024 MiTek Industries, Inc. Sat Sep 7 20:57:07 2024 Page a?SHK4thzkcYI-kga8IP3UWkH7qDAHjxIEjSVx1BIk3kqfMAYqN9yfwE
0-1-8 H					<mark>0-7-2</mark> <mark>0-6-12</mark> 0-10-8 1-1-8 Scale = 1:25
3x4 = $1.5x3 =$ 1 1 1 1 1 1 1 1 1 1	3x4 = 2 2 18 $3x4 = 3x4 = 3$	3x8 = 3 17 16 1.5x3 3x4 =	3x4 = 4 1 $B1$ 15 $3x4 = 1$	3x4 5	$4 = 4x8 = 3x4 6 7^{4x6} = 8^{3x6} = 9$ $4 = 4x8 = 3x4 6 7^{4x6} = 8^{3x6} = 9$ $4 = 4x6 = 3x6 = $
ŀ		<u>12-4-2</u> 12-4-2			13-8-10 13-0433-3-12 12-9-0 13-3-6 14-3-6 <u>12-5-10,13-1-14</u> <u>14-1-14</u> <u>15-9-6</u> 0-1-8 0-3-6 0-4-14 0-1-8 1-6-0 0-3-6 0-1-8 0-5-4 0-1-8 0-0-6
Plate Offsets (X,Y) [20	:Edge,0-1-8]				
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING-1-4-0Plate Grip DOL1.00Lumber DOL1.00Rep Stress IncrNOCode IRC2021/TPI2014	CSI. TC 0.43 BC 0.28 WB 0.65 Matrix-SH	DEFL. in Vert(LL) -0.05 Vert(CT) -0.08 Horz(CT) 0.01	(loc) 17 16 12	l/defi L/d PLATES GRIP >999 480 MT20 244/190 >999 360 n/a n/a Weight: 85 lb FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SP No BOT CHORD 2x4 SP No WEBS 2x4 SP No	0.1(flat) 0.1(flat) 0.3(flat)		BRACING- TOP CHORD BOT CHORD	Structura end vert Rigid ce	ral wood sheathing directly applied or 6-0-0 oc purlins, except ticals. eiling directly applied or 6-0-0 oc bracing.
REACTIONS. (Ib/size) Max Unlift	20=402/0-7-14 (min. 0-1-8) t10=-372(LC 3) 11=-476(LC), 10=-340/1-7-8 (min. 0-1-8), 1 3) 11=-396(LC 1)	11=-396/1-7-8 (min. 0-1	1-8), 11=-	-396/1-7-8 (min. 0-1-8), 12=2204/0-4-8 (min. 0-1-8)
FORCES. (lb) - Max. Co TOP CHORD 20-21=-3 BOT CHORD 18-19=0, 10-11=-6 WEBS 8-11=-46 6-14=0/:	omp./Max. Ten All forces 2 399/0, 1-21=-398/0, 1-2=-52 /973, 17-18=0/1311, 16-17= 314/0 52/0, 7-12=-934/0, 7-11=0/1 589, 6-12=-1622/0	50 (Ib) or less except when sh 3/0, 2-3=-1149/0, 3-4=-1222/0, 0/1311, 15-16=0/1116, 14-15= 357, 8-10=0/728, 1-19=0/594,	own. 4-5=-764/0, 6-7=0/168 0/391, 13-14=-581/0, 1: 2-19=-550/0, 4-15=-429	5, 7-8=0/ 2-13=-58)/0, 5-15=	/614 31/0, 11-12=-1685/0, =0/455, 5-14=-730/0,
NOTES- (6-9) 1) Unbalanced floor live I 2) Provide mechanical co	oads have been considered onnection (by others) of trus	for this design. s to bearing plate capable of w	ithstanding 372 lb uplift	at joint 1	10 and 476 lb uplift at
 Jont 11. Joad case(s) 1, 2, 3, 4 use of this truss. Recommend 2x6 stror be attached to walls at 5) CAUTION, Do not ered Graphical bracing repr the member must be b Bearing symbols are o design of the truss to s Web bracing shown is Restraining & Bracing SEE BCSI-B3 SUMMA MINIMUM BRACING F GUIDELINES, ALWAY LOAD CASE(S) Standard Dead + Floor Live (bal Uniform Loads (plf) Vert: 10-20=-7 Concentrated Loads (I 	4, 5, 6 has/have been modified ngbacks, on edge, spaced at their outer ends or restrained t truss backwards. resentation does not depict to praced. Inly graphical representation support the loads indicated. for lateral support of individ of Metal Plate Connected W ARY SHEET- PERMANENT REQUIREMENTS OF TOP (YS CONSULT THE PROJECT d anced): Lumber Increase=1 ', 1-9=-67 b)	ed. Building designer must rev t 10-0-0 oc and fastened to ea ed by other means. the size, type or the orientation us of a possible bearing conditi- ual web members only. Refer to vood Trusses for additional bra RESTRAING/BRACING OF C CHORD, BOTTOM CHORD, A CT ARCHITECT OR ENGINEE .00, Plate Increase=1.00	iew loads to verify that t ch truss with 3-10d (0.1 of the brace on the mer on. Bearing symbols are o BCSI - Guide to Good cing guidelines, includi HORDS & WEB MEME ND WEB PLANES. IN R FOR ADDITIONAL B	hey are c 31" X 3") mber. Sy e not con d Practice ng diagon BERS FO ADDITIO RACING	correct for the intended p) nails. Strongbacks to ymbol only indicates that hsidered in the structural e for Handling, Installing, mal bracing. DR RECOMMENDED DN TO THESE MININGHA S CONSIDERATIONS SEAL 28147
Vert: 6=-735	,				The A. Marine
Warning ! Vowify dosign	n narameters and read notes be	afore use. This design is based only	upon paramatare abour	nd is for an	9/6/2024
Continued on page 2	i parameters and read notes be	ciore use. This design is based only	upon parameters snown, ar	id is for an	in marviauar building component to be installed and loaded

Job	Truss	Truss Type	Qty	Ply	LOT 0.0036 HONEYCUTT HILLS 286 SHE	LBY MEADOW LANE ANGIER, NC
24-7417-F01	F1-29	Floor	1	1	Job Reference (optional)	# 52104
		Run	8430 s Feb	12 2021 Pri	int: 8 630 s. Jul 12 2024 MiTek Industries Inc.	Sat Sep. 7 20:57:07 2024 Page 2

n: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Sat Sep 7 20:57:07 2024 Page 2 ID:5fxLxLn?C6dWjia?SHK4thzkcYI-kga8IP3UWkH7qDAHjxIEjSVx1BIk3kqfMAYqN9yfwEQ

LOAD CASE(S) Standard 2) Dead: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 10-20=-7, 1-9=-67 Concentrated Loads (lb) Vert: 6=-735 3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 10-20=-7, 1-7=-67, 7-9=-13 Concentrated Loads (lb) Vert: 6=-735 4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 10-20=-7, 1-7=-13, 7-9=-67 Concentrated Loads (lb) Vert: 6=-735 5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 10-20=-7, 1-7=-67, 7-9=-13 Concentrated Loads (lb) Vert: 6=-735 6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 10-20=-7, 1-7=-13, 7-9=-67

Concentrated Loads (lb) Vert: 6=-735



Job	Truss	Truss Type	Qty	Ply	LOT 0.0036 HONEYCUTT H	ILLS 286 SHELBY MEADOW LANE ANGIER, N
24-7417-F01	F1-30	Floor	2	1	Job Reference (ontional)	# 52104
			Run: 8.430 s Feb D:5fxLxI n	12 2021 Prii 1?C6dWiia	nt: 8.630 s Jul 12 2024 MiTek ?SHK4thzkcYI-kaa8IP3U	ا Industries, Inc. Sat Sep 7 20:57:07 2024 Page 1 WkH7qDAHjxIEjSVxxBIV3i3fMAYɑN9vfwFO
0-1-8						· · · · · · · · · · · · · · · · · · ·
H ⊢ <u>1-3-0</u>					0-7-	-2 $0-6-12$ $1-3-8$ $0-1-8$
						State - 1.24.4
3x4 =	2×4 —	2×9 —	2×4 —		2×4 —	4v9 — 1 5v2 II
1.585 —	2	3	3x4 — 4		5×4 —	6 7 4x8 = 8
					- Lik	
					× ×	
			B1			
18 17	16	15 14	1	13	12	11 10 59
3x4 3x4	4 = 3x4	= 1.5x3 3x4 =	= 3	3x4 =	3x4 =	3x4 4x6 = 7x8
						13-0-6
		<u>12-4-2</u> 12-4-2				12_{-5-10} 12_{-5-10} 13_{-17} 14 14-9-14 -148 -18-0
Plate Offsets (X Y) [7:0	-3-0 Edge] [9:Edge 0-3-0]	[18:Edge 0-1-8]				0-3-6 0-1-8
	SPACING - 1-4-0		DEEL in	(loc)	l/defl l/d	
TCLL 40.0	Plate Grip DOL 1.00	TC 0.44	Vert(LL) -0.05	15	>999 480	MT20 244/190
BCLL 10.0	Rep Stress Incr NO	BC 0.29 WB 0.82	Vert(CT) -0.08 Horz(CT) 0.01	14 × 10	>999 360 n/a n/a	
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH				Weight: 78 lb FT = 20%F, 11%E
	1/flat)		BRACING-	Structur	al wood sheathing direc	thy applied or 6.0.0 oc purling except
BOT CHORD 2x4 SP No	5.1(flat)			end vert	icals.	
WEBS 2x4 SP No	0.3(flat)		BOI CHORD	Rigid ce	lling directly applied or 6	6-0-0 oc bracing.
REACTIONS. (Ib/size) Max Uplift	18=415/0-7-14 (min. 0-1-8) 9=-871(LC 3)	, 9=-834/0-8-0 (min. 0-1-8), 10	0=2215/0-4-8 (min. 0-1	-8)		
Max Grav	18=415(LC 3), 10=2215(LC	1)				
FORCES. (lb) - Max. Co	mp./Max. Ten All forces 2	50 (lb) or less except when she	own.			
BOT CHORD 18-19=-4 BOT CHORD 16-17=0/	11/0, 1-19=-410/0, 1-2=-542 /1010, 15-16=0/1383, 14-15	2/0, 2-3=-1204/0, 3-4=-1313/0, =0/1383, 13-14=0/1224, 12-13	4-5=-890/0, 6-7=0/150 =0/535, 11-12=-412/59	4 , 10-11=-/	412/59, 9-10=-1504/0	
WEBS 7-10=-98	80/0, 7-9=0/1728, 1-17=0/61	6, 2-17=-572/0, 4-13=-408/0, 5	5-13=0/434, 5-12=-710/	0, 6-12=0	/573, 6-10=-1608/0	
NOTES- (6-9)	anda hava haan aanaidarad	for this design				
2) Provide mechanical co	onnection (by others) of truss	to bearing plate capable of w	ithstanding 871 lb uplift	at joint 9		
3) Load case(s) 1, 2, 3, 4 use of this truss.	, 5, 6 has/have been modifie	ed. Building designer must revi	iew loads to verify that t	hey are c	correct for the intended	
 Recommend 2x6 stron be attached to walls at 	igbacks, on edge, spaced at their outer ends or restraine	10-0-0 oc and fastened to ea to by other means.	ch truss with 3-10d (0.1	31" X 3")	nails. Strongbacks to	
5) CAUTION, Do not erec	ct truss backwards.	he size type or the orientation	of the brace on the me	mher Svi	mbol only indicates that	
the member must be b	raced.					
 Bearing symbols are o design of the truss to s 	nly graphical representation support the loads indicated.	s of a possible bearing condition	on. Bearing symbols are	e not cons	sidered in the structural	
 Web bracing shown is Restraining & Bracing 	for lateral support of individe of Metal Plate Connected W	ual web members only. Refer t ood Trusses for additional bra	o BCSI - Guide to Good	d Practice ng diagor	e for Handling, Installing nal bracing.	
9) SEE BCSI-B3 SUMMA	RY SHEET- PERMANENT		HORDS & WEB MEMB	BERS FOI	R RECOMMENDED	MUNDATH CAROLINI
GUIDELINES, ALWAY	'S CONSULT THE PROJEC	T ARCHITECT OR ENGINEE	R FOR ADDITIONAL B	RACING	CONSIDERATIONS	ROFESSION
LOAD CASE(S) Standard	b				Inn	SFAL
1) Dead + Floor Live (bal	anced): Lumber Increase=1.	00, Plate Increase=1.00			huu	28147
Vert: 9-18=-7,	1-8=-67				1111	
Vert: 6=-735					in.	A NOINEER OS IN
2) Dead: Lumber Increas Uniform Loads (plf)	e=1.00, Plate Increase=1.00)				Manna K. MOHumm
Vert: 9-18=-7,	1-8=-67					9/6/2024
Warning !—Verify design	parameters and read notes be	fore use. This design is based only	upon parameters shown. ar	nd is for an	individual building compor	hent to be installed and loaded

	51			LOT WILADOW LANE ANGILIN, NO
24-7417-F01 F1-30	Floor	2	1 Job Reference (optional)	# 52104

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LOAD CASE(S) Standard Concentrated Loads (lb) Vert: 6=-735 3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 9-18=-7, 1-7=-67, 7-8=-13 Concentrated Loads (lb) Vert: 6=-735 4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 9-18-7, 1-7=-13, 7-8=-67 Concentrated Loads (lb) Vert: 6=-735 5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 9-18=-7, 1-7=-67, 7-8=-13 Concentrated Loads (lb) Vert: 6=-735 6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 9-18-7, 1-7=-13, 7-8=-67 Concentrated Loads (lb) Vert: 6=-735





24-7417-F01 F1-31 Floor 1 1 1 # 52104	Job	Truss	Truss Type	Qty	Ply	LOT 0.0036 HONEYCUTT HILLS 286 SHE	LBY MEADOW LANE ANGIER, NO
Job Reference (optional) π J2104	24-7417-F01	F1-31	Floor	1	1	Job Reference (optional)	# 52104

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LOAD CASE(S) Standard Concentrated Loads (lb) Vert: 7=-735 2) Dead: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 12-24=-7, 1-11=-67 Concentrated Loads (lb) Vert: 7=-735 3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 12-24 =-7, 1-8 =-67, 8-11 =-13 Concentrated Loads (lb) Vert: 7=-735 4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 12-24=-7, 1-8=-13, 8-11=-67 Concentrated Loads (lb) Vert: 7=-735 5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 12-24=-7, 1-8=-67, 8-11=-13 Concentrated Loads (lb) Vert: 7=-735 6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 12-24=-7, 1-8=-13, 8-11=-67 Concentrated Loads (lb) Vert: 7=-735



Job	Truss	Truss Type	Qty	Ply	LOT 0.0036 HONEYC	JTT HILLS 286 SHELE	BY MEADOW LANE ANGIER, NO	
24-7417-F01	F1-32	Floor	5	1	Ich Reference (coti	onal)	# 52104	
	Run: 8,430 s Feb 12 2021 Print: 8,630 s Jul 12 2024 MiTek Industries, Inc. Sat Sep 7 20:57:08 2024 Page 1							
0-1-8			15.0KEKEN OC	avija o			gzoobopoozpaqi ii woyiwzi	
H ⊢ 1-3-0				0-7-	2 0-6-12			
							Scale = 1:30.1	
3x4 =							3x4 =	
1.5x3 =	3x4 = 3x8 FP=	3x8 = 3x4 =	3x4 =		4x8 = 3x6 =	3x4 =	1.5x3 =	
		4 5		°		9 	10 	
9 ²⁴ B				wa			W5 1 25 9	
	Ý – – – – – – – – – – – – – – – – – – –	B1 - 12		- M	<u>li pii Bż</u> ⊠			
23 22	2 21	20 19	18 17	16	15 14	13	12	
3x4 3x	4 = 3x4 =	1.5x3 3x4 =	3x4 = 3x8 FP=	3x4 =	3x4 ∥4x6 =	3x4 =	3x4 = − 3x4	
					13-1-14 13-0-6			
		12-4-2			12-9-0 12-5-10	18-1-14		
		12-4-2			0-1-80-3-6 0-3-60-1-8	5-0-0		
Plate Offsets (X,Y)	[10:0-1-8,Edge], [23:Edge,0-1	-8]						
LOADING (psf) TCLL 40.0	Plate Grip DOL 1.0	0 CSI. 0 TC 0.49	DEFL. in Vert(LL) -0.05	(loc) 20	l/defl L/d >999 480	PLATES MT20	GRIP 244/190	
TCDL 10.0	Lumber DOL 1.0	0 BC 0.29	Vert(CT) -0.08	19 14	>999 360			
BCDL 5.0	Code IRC2021/TPI201	4 Matrix-SH	H012(C1) 0.01	14	11/a 11/a	Weight: 94 I	b FT = 20%F, 11%E	
LUMBER-			BRACING-			1		
TOP CHORD 2x4 SF BOT CHORD 2x4 SF	PNo.1(flat) PNo.1(flat)		TOP CHORD	Structur end ver	al wood sheathing	directly applied or 6	6-0-0 oc purlins, except	
WEBS 2x4 SF	P No.3(Îlat)́		BOT CHORD	Rigid ce	eiling directly applie	d or 6-0-0 oc bracir	ng.	
REACTIONS. (Ib/size	e) 23=407/0-7-14 (min. 0-1-	8), 11=-125/0-8-0 (min. 0-1-8),	14=1757/0-4-8 (min. 0-7	1-8)				
Max U Max G	iplift11=-244(LC 3) Grav23=410(LC 3), 11=30(LC	4), 14=1757(LC 1)						
FORCES. (lb) - Max.	Comp./Max. Ten All forces	250 (lb) or less except when sh	iown.					
TOP CHORD 23-24	4=-407/0, 1-24=-406/0, 1-2=-5	35/0, 2-3=-1185/0, 3-4=-1185/0), 4-5=-1281/0, 5-6=-846	/0, 7-8=0	0/1598, 8-9=0/1106	,		
BOT CHORD 21-22	2=0/997, 20-21=0/1358, 19-20	=0/1358, 18-19=0/1186, 17-18	=0/484, 16-17=0/484, 15	-16=-51	2/0, 14-15=-512/0,			
13-14 WEBS 8-14=	4=-1598/0, 12-13=-675/0 =-530/0, 8-13=0/694, 9-13=-65	51/0, 9-12=0/471, 10-12=-372/0	, 1-22=0/608, 2-22=-564	/0, 5-18:	=-420/0, 6-18=0/44	б,		
6-16	=-725/0, 7-16=0/581, 7-14=-1	638/0						
NOTES- (6-9)		d for this desire						
2) Provide mechanica	al connection (by others) of tru	ed for this design. ss to bearing plate capable of v	vithstanding 100 lb uplift	at joint(s	s) except (jt=lb) 11=	244.		
 Load case(s) 1, 2, use of this truss. 	3, 4, 5, 6 has/have been modi	fied. Building designer must rev	view loads to verify that t	ney are	correct for the inten	ded		
4) Recommend 2x6 s	trongbacks, on edge, spaced	at 10-0-0 oc and fastened to ea	ach truss with 3-10d (0.1	31" X 3") nails. Strongback	s to		
5) CAUTION, Do not	erect truss backwards.		6 1 1 1					
the member must b	representation does not depict be braced.	t the size, type or the orientation	n of the brace on the mer	nber. Sy	mbol only indicates	that		
 Bearing symbols and design of the truss 	re only graphical representation to support the loads indicated	ons of a possible bearing condit	ion. Bearing symbols are	e not con	isidered in the struc	tural within TH C	ARCHIN	
8) Web bracing show	n is for lateral support of indivi	idual web members only. Refer	to BCSI - Guide to Good	Practic	e for Handling, Inst	alling	SIG Nall	
9) SEE BCSI-B3 SUM	IMARY SHEET- PERMANEN	T RESTRAING/BRACING OF (CHORDS & WEB MEMB	ERS FO	R RECOMMENDE	DI	The second	
GUIDELINES, ALV	IG REQUIREMENTS OF TOP VAYS CONSULT THE PROJE	CHORD, BOTTOM CHORD, A	ER FOR ADDITIONAL B	RACING	CONSIDERATION	IS. SEA		
LOAD CASE(S) Stop	dard					2814	⁴⁷ j <u>ē</u>	
1) Dead + Floor Live	(balanced): Lumber Increase=	1.00, Plate Increase=1.00				THE ASSANDING	EER C M	
Uniform Loads (plf) Vert: 11-23) =-7, 1-10=-67					MARK V	MORRIGHT	
Concentrated Load Vert: 7=-73	ls (lb) 5					All the total	annum.	
	-					9/6/2	2024	
Warning !	esign parameters and read notes	before use. This design is based only	y upon parameters shown, an asibility of building designer	d is for an	n individual building co	mponent to be installe	ed and loaded	

Solution and back of the second secon

Job	Truss	Truss Type	Qty	Ply	LOT 0.0036 HONEYCUTT HILLS 286 SHE	LBY MEADOW LANE ANGIER, NC
24-7417-F01	F1-32	Floor	5	1	Job Reference (optional)	# 52104
		Pup	8 130 c Ech	12 2021 Dr	int: 8 630 c. Jul 12 2024 MiTok Industrios, Inc.	Sat Son 7 20:57:08 2024 Page 2

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LOAD CASE(S) Standard 2) Dead: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 11-23=-7, 1-10=-67 Concentrated Loads (lb) Vert: 7=-735 3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 11-23=-7, 1-8=-67, 8-10=-13 Concentrated Loads (lb) Vert: 7=-735 4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 11-23=-7, 1-8=-13, 8-10=-67 Concentrated Loads (lb) Vert: 7=-735 5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 11-23=-7, 1-8=-67, 8-10=-13 Concentrated Loads (lb) Vert: 7=-735 6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 11-23=-7, 1-8=-13, 8-10=-67

Concentrated Loads (lb) Vert: 7=-735



dor	Truss		Truss Typ	be			QIY	Ply	LOT 0.0036 HC	NEYCUTTHILLS	286 SHELBY M	EADOW	LANE ANGI	ER, N
24-7417-F01	F1-33		Floor Supp	orted Gable			1	1	Job Referenc	e (optional)		# :	52104	
	·					Run: 8. ID:5	430 s Feb 5fxLxLn?C	12 2021 Pri 6dWjia?SI	nt: 8.630 s Jul 12 HK4thzkcYI-C	2 2024 MiTek Indus 8WWI46H1P_SI	tries, Inc. Sat Se NITHeGTGg20	ep 7 20: CabiAol	57:08 2024 P _hpaqHNvcy	age 1 fwEP
0- <u>1</u> -8													0- <mark>1</mark> -8	
													Scale = 1	:30.1
												1.5x	3	
1.5x3	1.5x3												1.5x3	
1.5x3 = 1.5x3	3 3x8 F	P=1.5x3 ∣∣	1.5x3	1.5x3	1.5x3	3x4 =	1.5x3	1.5x	3 1.5x3	1.5x3	1.5x3		1.5x3 =	
1 2	34	5	6	7	8	9	10 T2	11	12	13	14	15	16	
	ST1	ST1	o ST1	ST1	ST1	ST1 W	2 ST1	e ST1	I ST1	ST1		e ST		4 0-0-1
					XXXXXX				XXXXXX					l
32 31	30	29	28	27	26	25	24	23	22	21 20	19	18	17	
3x4 1.5x3	3 1.5x3	1.5x3	1.5x3	1.5x3	1.5x3	1.5x3	3x4 =	1.5x	3	3x8 FP=	1.5x3		3x4	
									1.5x3	1.5x3		1.5x	3	

	18-1-14									
Plate Offsets (X,Y) [9:0-1-8,Edge], [24:0-1-8,Edge], [32:Edge,0-1-8]										
LOADIN TCLL TCDL BCLL BCDL	G (psf) 40.0 10.0 0.0 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) - - 17	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 74 lb	GRIP 244/190 FT = 20%F, 11%E	
LUMBEF TOP CH BOT CH WEBS OTHERS	R- IORD 2x4 SP IORD 2x4 SP 2x4 SP S 2x4 SP	BRACING- TOP CHORD BOT CHORD	Structo end ve Rigid o	ural wood erticals. ceiling di	d sheathing rectly applie	directly applied or 6-0 d or 10-0-0 oc bracin	0-0 oc purlins, except g.			

18-1-14

REACTIONS. All bearings 18-1-14.

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

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

NOTES- (5-8)

1) Gable requires continuous bottom chord bearing.

- 2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 3) Gable studs spaced at 1-4-0 oc.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 5) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
- 6) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
- 7) Web bracing shown is for lateral support of individual web members only. Refer to BCSI Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
 8) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED
- 8) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard

