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 #: 45998 JOB: 24-1219-F01 JOB NAME: LOT 0.0006 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. *16 Truss Design(s)*



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

This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 Guide to

Job	Truss	Truss Type		Qt	y Ply	LOT 0.0006 I	HONEYCUTT HILLS	117 SHELBY MEA	DOW LANE ANGIER, NC
24-1219-F01	F101	Floor Supported G	able	1	1	Job Refere	nce (optional)	#	45998
Atlantic Building Compo	nents, Moncks Corner, So	outh Carolina		ID:72?9Y	8 iJntM17rR340	430 s Feb 12 3	2021 MiTek Industrie	s, Inc. Wed Feb 28 1 vaZS8MPPL52Kw	2:39:34 2024 Page 1 qlySRxBnynyrzgd0d
0- <u>1</u> -8							_ , .		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
									Scale = 1:38.2
1.5x3		1.5x3 1.5x3							1.5x3
	1.5x3 1.5x3		1.5x3 3x4 =	1.5x3 1.5	x3 1.5x3	1.5x3 1	1.5x3 1.5x3	1.5x3 1.5x3	
1 2	3 4	5 6 7 8	9 10	11 1	2 13 _T	14	15 16	17 18	19 20
0-41 _B ST1	STT1 STT1	<u> </u>	ST1 W2 ST1	ST1 S		-	ST1 ST1	ST1 ST1	ST1 W1 0-
							B2		
40.00					·····	~~~			
40 39 3x4 Ⅲ 1.5x3	38 37 1.5x3 1.5x3	36 35 34 1.5x3 1.5x3 1.5x3	33 32 3x4 = 1.5x3	31 3 1.5x3	0 29 28 3x8 FP=	27 1.5x3 1	26 25 1.5x3 1.5x3	24 23	22 21 3x4
					x3 1.5x3	1.0.00 11		none († none (1.5x3

			23-3-12				
Plate Offsets (X,Y)	[10:0-1-8,Edge], [33:0-1-8,Edge], [40	:Edge,0-1-8]					
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.06 BC 0.01 WB 0.03 Matrix-SH	Vert(LL) n	in (loc) /a - /a - 00 21	l/defl L/d n/a 999 n/a 999 n/a n/a	PLATES MT20 Weight: 100 II	GRIP 244/190 FT = 20%F, 11%E
			BRACING- TOP CHORD BOT CHORD	end ve	erticals.	directly applied or 6-0 d or 10-0-0 oc bracinç	I-0 oc purlins, except J.

23-3-12

All bearings 23-3-12. REACTIONS.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 40, 21, 39, 38, 37, 36, 35, 34, 33, 32, 31, 30, 28, 27, 26, 25. 24. 23. 22

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

NOTES- (6-9)

1) Gable requirés continuous bottom chord bearing.

2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).

3) Gable studs spaced at 1-4-0 oc.

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

5) CAUTION, Do not erect truss backwards.

6) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.

7) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

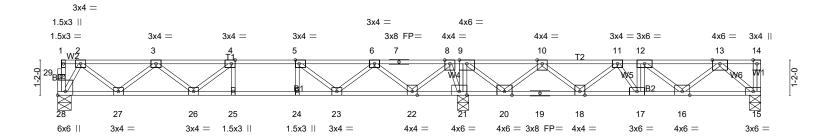
8) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing. 9) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED

MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	LOT 0.0006 HONEYCUTT HILLS 117 SHELBY N	VEADOW LANE ANGIER, NC
24-1219-F01	F102	Floor	3		Job Reference (optional)	# 45998
Atlantic Building Components, I	Moncks Corner, South Carolina	ID:72'	?9YjJntM1	8.4 17rR3400	430 s Feb 12 2021 MiTek Industries, Inc. Wed Feb OIWujydnDB-CDYfc3QoyjQbm5Fl0rueyZd63	28 12:39:35 2024 Page 1 ?K?0hlb4QRhKUHzgd0c
0-1-8						
H <mark>0-6-2 1-3-0</mark>	⊢—	2-0-0 0-	-3-12		0-7-12	<u>1-1-4</u> Scale = 1:38.2



+	<u>5-10-10</u> 5-10-10	6-10-107-10-10 1-0-0	<u>13-5-6</u> 5-6-12		19-4-2	23-3-14
Plate Offsets (X,Y) [4:0-1-8,Edge], [5:0-1-8,Edge]		5-0-12		5-10-12	3-11-12
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	1.00 BC 0. NO WB 0.) -0.14 25-26	l/defl L/d >999 480 >999 360 n/a n/a	PLATES GRIP MT20 244/190 Weight: 122 lb FT = 20%F, 11%E
	No.1(flat) No.3(flat)	1-8), 21=1678/0-4-8 (min.	BRACI TOP C BOT C 0-1-8), 15=845/0-4-8 (HORD Structu end ve HORD Rigid o	ural wood sheathing d articals. ceiling directly applied	irectly applied or 6-0-0 oc purlins, except or 6-0-0 oc bracing.
Max G FORCES. (lb) - Max. TOP CHORD 2-3=- 8-9=0 BOT CHORD 27-28 22-23 17-18 WEBS 12-17 6-23=	rav28=505(LC 3), 21=167 Comp./Max. Ten All for 750/0, 3-4=-1303/0, 4-5=- 1/1545, 9-10=-123/567, 10 =0/316, 26-27=0/1169, 29 =-416/554, 21-22=-1299/ =0/2413, 16-17=0/2731, =-498/0, 9-21=-1000/0, 3 =0/562, 6-22=-836/0, 8-22	78(LC 1), 15=905(LC 4) ces 250 (lb) or less except .1359/0, 5-6=-925/228, 6-7: .11=-1756/0, 11-12=-2731 5-26=0/1359, 24-25=0/1359 0, 20-21=-1545/0, 19-20=-2	when shown. =0/715, 7-8=0/715, /0, 12-13=-1858/0 9, 23-24=0/1359, 228/1068, 18-19=-228/1 28=-610/0, 5-23=-679/0 =0/1422, 10-20=-1334/0	068, ,		
 2) Recommend 2x6 st attached to walls at 3) CAUTION, Do not e 4) Graphical bracing re the member must b 5) Bearing symbols ar design of the truss 6) Web bracing shown 	their outer ends or restra erect truss backwards. epresentation does not de e braced. e only graphical represen to support the loads indica n is for lateral support of ir	ced at 10-0-0 oc and faster ined by other means. epict the size, type or the or tations of a possible bearin ated. Idividual web members only	ientation of the brace o g condition. Bearing syn y. Refer to BCSI - Guide	n the member. Sy nbols are not cor to Good Practic	rmbol only indicates th isidered in the structur e for Handling, Installi	nat

Job	Truss	Truss Type	Qty	Ply LOT 0.000	6 HONEYCUTT HILLS 11	7 SHELBY MEADOW LANE ANGIER, NC
24-1219-F01	F102A	Floor	1	1 Iob Refe	rence (optional)	# 45998
Atlantic Building Compone	ents, Moncks Corner, South Carolina		ID:72?9YjJnt	8.430 s Feb 1	2 2021 MiTek Industries, In	c. Wed Feb 28 12:39:37 2024 Page 1 87Gw61_jRl8l79cgNtkARYAzgd0a
0-1-8				10		074
H ⊢ 1-3-00₁5-1 4	ł	0-6-4 2-0-0	0- <u>3-</u>	12 F	1-1-12	<u>0-7-4</u> Scale = 1:41.4
3x4 —	4	x4 —	4x4 =	4x8 —		4x4 =
	8 = 4x4 =	1.5x3 4x4 =	3x8 FP= 4x4			4x4 = 3x4
	<u></u>	456 814 19			$\frac{12}{12}$	
		B1	W		100	
31 30 2	9 28 27	26 25 24	23	22 21 20	19 18	17 16
1.5x3 3x	4 4x4 = 4x4 =	4x4 = 1.5x3 4x4 =	4x4 =	3x8 FP=	4x6 = 4x4 =	4x4 = 4x6 =
4x4 =			4x	6 = 4x8 =		
	-6 7-10-10 -8 5-9-4 [6:0-1-8,Edge], [10:0-3-0,Edge],	8-10-109-10-10 1-0-0 1-0-0 1-0-1	15-5-6 5-6-12 1 [32:0.1_8,0.1_8]	<u>19-4-2</u> 3-10-12		25-3-14 5-11-12
LOADING (psf)	SPACING- 1-7-3	CSI.		(loc) l/defl	L/d PLAT	ES GRIP
TCLL 40.0 TCDL 10.0	Plate Grip DOL 1.00 Lumber DOL 1.00	TC 0.56 BC 0.51	Vert(LL) -0.09	26-27 >999	480 MT20 360	
BCLL 0.0 BCDL 5.0	Rep Stress Incr NO Code IRC2021/TPI2014	WB 0.83 Matrix-SH	Horz(CT) 0.01		n/a	nt: 134 lb FT = 20%F, 11%E
		22=1832/0-4-8 (min. 0-1-8), 1	BRACING- TOP CHORD BOT CHORD 6=633/0-4-8 (min. 0-1-	end verticals. Rigid ceiling direc	neathing directly applie tly applied or 6-0-0 oc l	d or 6-0-0 oc purlins, except bracing.
	5rav29=1212(LC 3), 22=1841(LC					
TOP CHORD 1-2= 7-8=	Comp./Max. Ten All forces 25 0/579, 2-3=0/717, 3-4=-552/531, 0/904, 8-9=0/904, 9-10=0/1622, 4=-1135/0	4-5=-726/486, 5-6=-726/486, 6	6-7=-357/583,			
BOT CHORD 29-3)=-854/0, 28-29=-841/0, 27-28=- 5=-486/726, 23-24=-686/17, 22-2					
19-2)=0/1466, 18-19=0/2477, 17-18= 9=-884/0, 2-29=-1169/0, 10-22=-	0/1757, 16-17=0/489				
3-28	637/0, 3-27=0/334, 4-27=-278/ =0/792, 9-22=-717/0, 10-20=0/17	0, 6-24=-520/0, 7-24=0/475, 7-	23=-770/0,			
	3=0/461, 13-17=-810/0, 14-17=0/		, ,			
2) Load case(s) 1, 2, correct for the inter	ve loads have been considered f 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, ided use of this truss. trongbacks, on edge, spaced at	14 has/have been modified. Bu	0 0		, ,	
attached to walls a 4) CAUTION, Do not	erect truss backwards. representation does not depict th	/ other means.			•	ALLIDOT.
	re only graphical representations	of a possible bearing condition	n. Bearing symbols are	not considered in t	ndicates that	A CAROLINI
7) Web bracing show	to support the loads indicated. n is for lateral support of individu	al web members only. Refer to	BCSI - Guide to Good	Practice for Handli	ng, Installing, 7	FESSION
8) SEE BCSI-B3 SUN MINIMUM BRACIN	ing of Metal Plate Connected Wo MARY SHEET- PERMANENT F IG REQUIREMENTS OF TOP C VAYS CONSULT THE PROJEC	RESTRAING/BRACING OF CH HORD. BOTTOM CHORD. AN	IORDS & WEB MEMBI	ERS FOR RECOM	MENDED SE MINIMUM RATIONS	SEAL 28147 2/27/2024
LOAD CASE(S) Star					THE AS SA	GINEER &
Uniform Loads (plf		00, Plate Increase=1.00			In ARK	K. MORRAM
Vert: 16-31	=-8, 1-2=-180, 2-15=-80					2/27/2024
Winning to Norieval	esign parameters and read notes be	fore use. This design is based only	upon parameters shown a	nd is for an individual	building component to be	installed and loaded

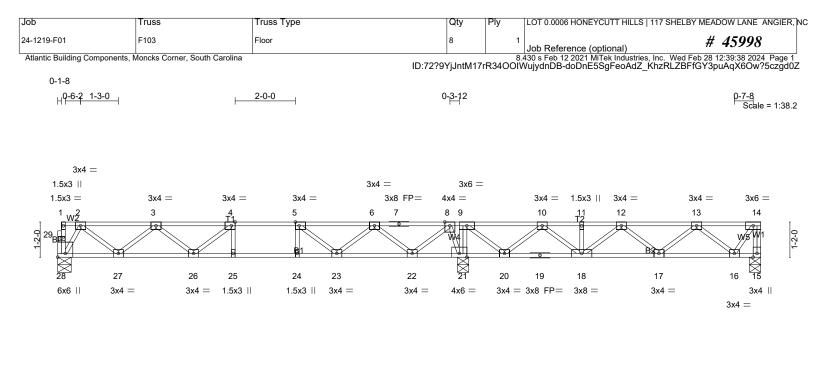
CoNtinuing on Pacify 2lesign parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building 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 0.0006 HONEYCUTT HILLS 117 SHEI	BY MEADOW LANE ANGIER, NC
24-1219-F01	F102A	Floor	1	1	Job Reference (optional)	# 45998
Atlantic Building Components, Moncks Corner, South Carolina					430 s Feb 12 2021 MiTek Industries, Inc. Wee	

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	10
LOAD CASE(S) Standard	
Concentrated Loads (lb)	
Vert: 1=-305 12=-960	
2) Dead: Lumber Increase=1.00, Plate Increase=1.00	
Uniform Loads (plf) Vert: 16-31=-8, 1-2=-180, 2-15=-80	
Concentrated Loads (lb)	
Vert: 1=-305 12=-960	
3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00	
Uniform Loads (plf) Vert: 16-31=-8, 1-2=-180, 2-10=-80, 10-15=-16	
Concentrated Loads (lb)	
Vert: 1=-305 12=-960	
 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) 	
Vert: 16-31=-8, 1-2=-116, 2-15=-80	
Concentrated Loads (lb)	
Vert: 1=-305 12=-960	
5) 3rd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf)	
Vert: 16-31=-8, 1-2=-180, 2-10=-16, 10-15=-80	
Concentrated Loads (lb)	
Vert: 1=-305 12=-960 6) 4th Dead + Elect Live (unbelonced): Lumber Increase=1.00, Blote Increase=1.00	
6) 4th Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf)	
Vert: 16-31=-8, 1-2=-116, 2-10=-80, 10-15=-16	
Concentrated Loads (lb)	
Vert: 1=-305 12=-960 7) 5th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00	
Uniform Loads (plf)	
Vert: 16-31=-8, 1-2=-180, 2-10=-80, 10-15=-16	
Concentrated Loads (lb)	
Vert: 1=-305 12=-960 8) 6th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00	
Uniform Loads (plf)	
Vert: 16-31=-8, 1-2=-116, 2-15=-80	
Concentrated Loads (lb) Vert: 1=-305 12=-960	
9) 7th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00	
Uniform Loads (plf)	
Vert: 16-31=-8, 1-2=-180, 2-10=-16, 10-15=-80	
Concentrated Loads (lb) Vert: 1=-305 12=-960	
10) 8th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00	
Uniform Loads (plf)	
Vert: 16-31=-8, 1-2=-116, 2-10=-80, 10-15=-16	
Concentrated Loads (lb) Vert: 1=-305 12=-960	
11) 1st chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00	
Uniform Loads (plf)	
Vert: 16-31=-8, 1-2=-116, 2-6=-80, 6-10=-16, 10-15=-80	
Concentrated Loads (lb) Vert: 1=-305 12=-960	
12) 2nd chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00)
Uniform Loads (plf)	
Vert: 16-31=-8, 1-2=-180, 2-5=-16, 5-15=-80 Concentrated Loads (lb)	
Vert: 1=-305 12=-960	
13) 3rd chase Dead: Lumber Increase=1.00, Plate Increase=1.00	
Uniform Loads (plf) Vert: 16-31=-8, 1-2=-116, 2-6=-80, 6-10=-16, 10-15=-80	
Concentrated Loads (lb)	
Vert: 1=-305 12=-960	
14) 4th chase Dead: Lumber Increase=1.00, Plate Increase=1.00	
Uniform Loads (plf) Vert: 16-31=-8, 1-2=-180, 2-5=-16, 5-15=-80	
Concentrated Loads (lb)	
Vert: 1=-305 12=-960	





	<u>5-10-10</u> 5-10-10	6-10-10 ₁ 7-10-10 1-0-0 1-0-0	1	<u>3-5-6</u> -6-12	+			-3-14 -10-8		
Plate Offsets (X,Y)	[4:0-1-8,Edge], [5:0-1-8,			-0-12			5-	10-0		
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	1-7-3 1.00 1.00 YES PI2014	CSI. TC 0.38 BC 0.61 WB 0.39 Matrix-SH	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (k -0.10 25- -0.13 25- 0.02	26 >999	L/d 480 360 n/a	PLATES MT20 Weight: 120 lb	GRIP 244/190 FT = 20%F, 11%E	
LUMBER- TOP CHORD 2x4 SP BOT CHORD 2x4 SP WEBS 2x4 SP				BRACING TOP CHOP BOT CHOP	RD Str en	d verticals.		lirectly applied or 6-0- l or 6-0-0 oc bracing.	-0 oc purlins, except	
	e) 28=497/0-5-6 (min.) rav28=515(LC 3), 15=3			21=1213/0-4-8 (min	. 0-1-8)					
TOP CHORD 14-15 7-8=-	Comp./Max. Ten All fo 5=-373/0, 2-3=-768/0, 3-/ 69/313, 8-9=0/1085, 9-1 3=-696/40	4=-1345/0, 4-5=-1	423/0, 5-6=-1011/	/0, 6-7=-69/313,						
21-2										
WEBS 9-21= 6-22=	=-590/0, 3-27=-558/0, 2-3 =-787/0, 8-22=0/819, 8-2 3=-266/0, 13-16=-466/1,	1=-742/0, 9-20=0/								
 2) Recommend 2x6 st attached to walls at 3) CAUTION, Do not et 4) Graphical bracing r the member must b 5) Bearing symbols ar design of the truss 6) Web bracing showr Restraining & Braci 7) SEE BCSI-B3 SUM MINIMUM BRACIN 	e only graphical represe to support the loads indi n is for lateral support of ing of Metal Plate Conne IMARY SHEET- PERMA G REQUIREMENTS OF /AYS CONSULT THE P	aced at 10-0-0 oc ained by other me depict the size, typ ntations of a poss cated. individual web me icted Wood Trusse NENT RESTRAIN TOP CHORD, Be	c and fastened to e eans. sible bearing condi embers only. Refe es for additional b NG/BRACING OF OTTOM CHORD,	on of the brace on th ition. Bearing symbo r to BCSI - Guide to racing guidelines, in CHORDS & WEB M AND WEB PLANES	e member Is are not Good Pra cluding dia IEMBERS 5. IN ADD	- Symbol onl considered i ctice for Han agonal bracir FOR RECC ITION TO TH	y indicates th n the structu	hat ral	A A B A A A A A A A A A A A A A A A A A	

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.

2/27/2024

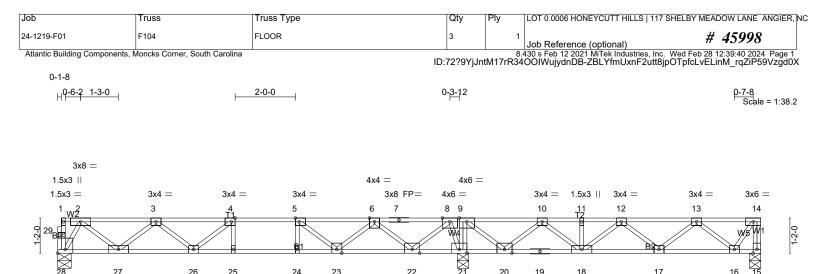
Job	Truss	Truss Type	Qty	Ply LOT 0.0006 HONEYO	CUTT HILLS 117 SHELBY	MEADOW LANE ANGIER, NC
24-1219-F01	F103A	Floor	3			# 45998
Atlantic Building Component	ts, Moncks Corner, South Carolina			Job Reference (op 8.430 s Feb 12 2021 Mil /17rR34OOIWujydnDB-5?n9F	Tek Industries, Inc. Wed Fe	eb 28 12:39:39 2024 Page 1
0-1-8 0-0	6-4		10.72.01.joi			JUPAN DEJULZI I DELUGO
<u>н⊢ 1-3-00₇5-1</u> 4⊢	\neg	2-0-0	0- <u>3-</u> 1	12		0-7-8 Scale = 1:41.4
3x4 =	4x4 =		4x4 =	4x6 =		
3x4 = 4x6 =	= 4x4 =	4x4 = 4x4 =	3x8 FP= 4x4	= 4x4 $=$ 1.5x3		4x4 = 3x6 =
1 2		5 6	789 ⁻	<u> </u>	13	14 15 R
		B1			а <u>В</u> 2 М	W6W1 1-5-0
		<u>н н гу</u> е				17 16
31 30 29 1.5x3 4x4 =	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	26 25 24 = 1.5x3 1.5x3 4x4 =		22 21 20 19 3x8 FP= 3x8		17 16 3x4 ∣∣
4x6	=		4x	x6 = 4x4 =		4x4 =
	7 40 40					
<u>1-11-14 2-1-6</u> <u>1-11-14 0-1-8</u> Plate Offsets (X X) [5		8-10-109-10-10 1-0-0 1-0-0 1-0-0 1-0-0	<u>15-5-6</u> 5-6-12	-+	<u>25-3-14</u> 9-10-8	
LOADING (psf)			DEEL in			GRIP
TCLL 40.0	SPACING- 1-7-3 Plate Grip DOL 1.00	TC 0.46	Vert(LL) -0.10	(loc) l/defl L/d 26-27 >999 480	PLATES MT20	244/190
TCDL 10.0 BCLL 0.0	Lumber DOL 1.00 Rep Stress Incr NO	WB 0.35	Vert(CT) -0.07 Horz(CT) 0.01	′ 26-27 >999 360 16 n/a n/a		
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH	<u> </u>		Weight: 133 lb	FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SP N	No 1(flat)		BRACING- TOP CHORD	Structural wood sheathing	directly applied or 6-0-	-0 oc purlins. except
BOT CHORD 2x4 SP N WEBS 2x4 SP N	No.1(flat)		BOT CHORD	end verticals. Rigid ceiling directly applie		• • •
REACTIONS. (lb/size)		22=1149/0-4-8 (min. 0-1-8), 29		10-0-0 oc bracing: 30-31,1		
TOP CHORD 15-16=	-370/0, 1-2=0/565, 2-3=0/828,	50 (lb) or less except when sho 8, 3-4=-95/601, 4-5=-819/330, 5- 10, 10=0/1116, 10, 11=0/623, 12	5-6=-1027/213,			
12-13=	-640/255, 13-14=-686/50	, 9-10=0/1116, 10-11=0/623, 1 ⁻				
24-25=	213/1027, 23-24=-262/470, 2	442/588, 26-27=-213/1027, 25 22-23=-923/0, 21-22=-1116/0, 2				
	-422/419, 18-19=-129/769, 17 757/0, 10-22=-600/0, 1-30=-72	7-18=0/578 21/0, 2-30=0/518, 5-27=-343/0,	, 4-27=0/315,			
		8/0, 6-24=-408/0, 7-24=0/390, 7 /17, 11-20=-661/0, 11-19=0/390				
	-461/7, 15-17=0/383	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, 10 .0,			
NOTES- (5-8)	e loads have been considered	for this design				
2) Load case(s) 1, 2, 3,	4, 5, 6, 7, 8, 9, 10, 11, 12, 13,	, 14 has/have been modified. B	uilding designer must re	eview loads to verify that the	ey are	
	ongbacks, on edge, spaced at	t 10-0-0 oc and fastened to eac	ch truss with 3-10d (0.1	31" X 3") nails. Strongbacks	s to be	
4) CAUTION, Do not en		,				
		he size, type or the orientation of	of the brace on the mem	nber. Symbol only indicates	that	11111
6) Bearing symbols are design of the truss to	only graphical representation	s of a possible bearing conditio	n. Bearing symbols are	not considered in the struct	ural uning The CAN	OLIN'III
7) Web bracing shown i	is for lateral support of individu	he size, type or the orientation or s of a possible bearing conditio ual web members only. Refer to /ood Trusses for additional brac	BCSI - Guide to Good	Practice for Handling, Instal	ling, Jen	NR. P. III
8) SEE BCSI-B3 SUMM	MARY SHEET- PERMANENT	RESTRAING/BRACING OF CH	HORDS & WEB MEMBE	BRS FOR RECOMMENDED	SEAL	
MINIMUM BRACING GUIDELINES, ALWA	AYS CONSULT THE PROJEC	CHORD, BOTTOM CHORD, AN CT ARCHITECT OR ENGINEEF	ND WEB PLANES. IN P R FOR ADDITIONAL BF	ADDITION TO THESE MININ	MUM 28147	
LOAD CASE(S) Standa					A NOINEE	
1) Dead + Floor Live (ba Uniform Loads (plf)	alanced): Lumber Increase=1.	.00, Plate Increase=1.00			MARK K. MO	RAL
	-8, 1-2=-180, 2-15=-80				2/07/0	024
					2/27/2	024
		efore use. This design is based only		ind is for an individual building c	component to be installed a	and loaded

Job	Truss	Truss Type	Qty	Ply	LOT 0.0006 HONEYCUTT HILLS 117 SHEL	BY MEADOW LANE ANGIER, NC
24-1219-F01	F103A	Floor	3	1	Job Reference (optional)	# 45998
Atlantic Building Components,			430 s Feb 12 2021 MiTek Industries, Inc. Wed			

ID:72?9YjJntM17rR34OOIWujydnDB-5?n9RQTI0yw1FjZWFhya6PoopxRPdejgL2fYd2zgd0Y

LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 1=-305
2) Dead: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf)
Vert: 16-31=-8, 1-2=-180, 2-15=-80
Concentrated Loads (lb)
Vert: 1=-305 3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 16-31=-8, 1-2=-180, 2-10=-80, 10-15=-16
Concentrated Loads (lb) Vert: 1=-305
4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 16-31=-8, 1-2=-116, 2-15=-80 Concentrated Loads (lb)
Vert: 1=-305
5) 3rd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf) Vert: 16-31=-8, 1-2=-180, 2-10=-16, 10-15=-80
Concentrated Loads (lb)
Vert: 1=-305
 6) 4th Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf)
Vert: 16-31=-8, 1-2=-116, 2-10=-80, 10-15=-16
Concentrated Loads (lb)
Vert: 1=-305 7) 5th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 16-31=-8, 1-2=-180, 2-10=-80, 10-15=-16
Concentrated Loads (lb) Vert: 1=-305
8) 6th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 16-31=-8, 1-2=-116, 2-15=-80 Concentrated Loads (lb)
Vert: 1=-305
 9) 7th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf)
Vert: 16-31=-8, 1-2=-180, 2-10=-16, 10-15=-80
Concentrated Loads (lb)
Vert: 1=-305 10) 8th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 16-31=-8, 1-2=-116, 2-10=-80, 10-15=-16
Concentrated Loads (lb) Vert: 1=-305
11) 1st chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 16-31=-8, 1-2=-116, 2-6=-80, 6-10=-16, 10-15=-80 Concentrated Loads (lb)
Vert: 1=-305
12) 2nd chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf) Vert: 16-31=-8, 1-2=-180, 2-5=-16, 5-15=-80
Concentrated Loads (lb)
Vert: 1=-305
13) 3rd chase Dead: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf)
Vert: 16-31=-8, 1-2=-116, 2-6=-80, 6-10=-16, 10-15=-80
Concentrated Loads (lb)
Vert: 1=-305 14) 4th chase Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 16-31=-8, 1-2=-180, 2-5=-16, 5-15=-80 Concentrated Loads (lb)
Vert: 1=-305





4x6 =

4x6 =

4x6 = 3x8 FP =

3x8 =

3x4 =

3x4 || 3x4 =

Plate Offsets (X,Y)	5-10-10 5-10-10 [4:0-1-8,Edge], [5:0-1-8,	6-10-10 ₁ 7-1 1-0-0 1- Edge], [28:Edge]	0-0	13-5-6 5-6-12		-				-3-14 10-8	
LOADING (psf) TCLL 40.0 TCDL 60.0 BCLL 0.0 BCDL 5.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IRC2021/T	1-7-3 1.00 1.00 YES	CSI. TC 0.74 BC 0.71 WB 0.74 Matrix-SH		()	in -0.09 2 -0.22 2 0.03		l/defl >999 >713 n/a	L/d 480 360 n/a	PLATES MT20 Weight: 120 lb	GRIP 244/190 FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SP No.1(flat) BRACING- TOP CHORD 2x4 SP SS(flat) *Except* B2: 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(flat) BOT CHOR WEBS 2x4 SP No.3(flat)							end vei Rigid c	rticals. eiling dir	0	or 10-0-0 oc bracing	0 oc purlins, except , Except:
Max G	e) 28=947/0-5-6 (min. Grav28=966(LC 3), 15=6	57(LC 4), 21=	2318(LC [`] 1)	,,	8/0-4-8 (min.	0-1-8)					

- FORCES. (lb) Max. Comp./Max. Ten. All forces 250 (lb) or less except when shown
- 14-15=-656/0, 2-3=-1430/0, 3-4=-2496/0, 4-5=-2613/0, 5-6=-1781/0, 6-7=0/442, TOP CHORD 7-8=0/442, 8-9=0/2015, 9-10=0/1021, 10-11=-944/0, 11-12=-944/0, 12-13=-1150/0, 13-14=-387/0 BOT CHORD 27-28=0/610, 26-27=0/2244, 25-26=0/2613, 24-25=0/2613, 23-24=0/2613, 22-23=0/1092,
- 21-22=-1553/0, 20-21=-2015/0, 19-20=-363/469, 18-19=-363/469, 17-18=0/1261, 16-17=0/1014 WEBS 4-25=-256/0, 5-24=0/280, 9-21=-1120/0, 3-26=0/329, 3-27=-1058/0, 2-27=0/1068, 2-28=-1177/0, 5-23=-1114/0, 6-23=0/929, 6-22=-1520/0, 8-22=0/1555, 8-21=-1351/0,
 - 9-20=0/1339, 10-20=-1258/0, 10-18=0/714, 12-18=-510/0, 13-16=-817/0, 14-16=0/663

(4-7) NOTES-

6x6 ||

3x8 =

3x4 =

1.5x3 ||

1.5x3 ||

4x4 =

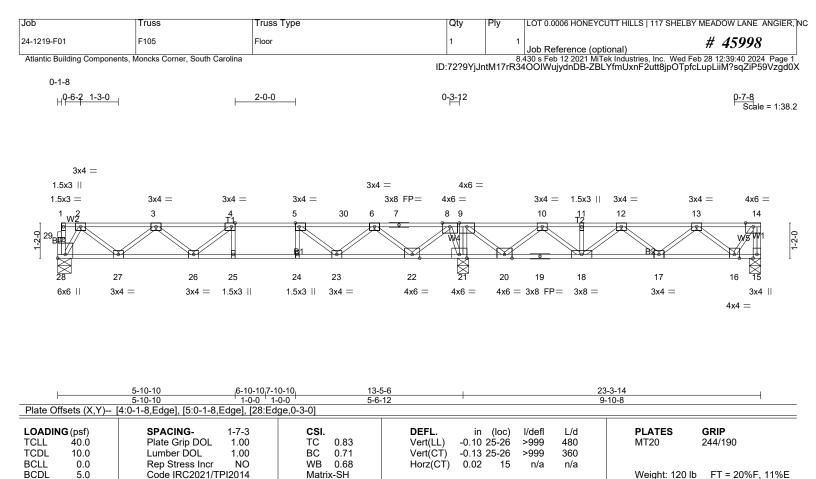
1) Unbalanced floor live loads have been considered for this design.

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.

4) 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.

- the member must be braced.
 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.
 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.
 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 AND THE REAL PROPERTY OF THE P



BRACING-

TOP CHORD

BOT CHORD

end verticals

LUMBER-

TOP CHORD 2x4 SP No.1(flat)

BOT CHORD 2x4 SP No.1(flat)

WEBS 2x4 SP No.3(flat)

REACTIONS. (lb/size) 28=497/0-5-6 (min. 0-1-8), 15=721/0-4-8 (min. 0-1-8), 21=2176/0-4-8 (min. 0-1-8) Max Grav28=534(LC 3), 15=812(LC 4), 21=2176(LC 1)

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

TOP CHORD 14-15=-810/0, 2-3=-803/0, 3-4=-1427/0, 4-5=-1549/0, 5-30=-1176/89, 6-30=-1176/89, 6-7=-8/596, 7-8=-8/596, 8-9=0/1778, 9-10=-138/882, 10-11=-1478/234, 11-12=-1478/234, 12-13=-1522/0, 13-14=-487/0

BOT CHORD	27-28=0/336, 26-27=0/1252, 25-26=0/1549, 24-25=0/1549, 23-24=0/1549,
	22-23=-255/842, 21-22=-1407/0, 20-21=-1778/0, 19-20=-506/1043, 18-19=-506/1043,
	17-18=-25/1739, 16-17=0/1281
WEBS	9-21=-1203/0, 3-27=-584/0, 2-27=0/608, 2-28=-648/0, 5-23=-628/0, 6-23=0/503,
	6-22=-1139/0, 8-22=0/1164, 8-21=-1198/0, 9-20=0/1418, 10-20=-1331/0, 10-18=0/713,
	12-18=-490/0, 12-17=-283/113, 13-17=-82/313, 13-16=-1034/0, 14-16=0/834

NOTES-(4-7)

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.

4) 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.

5) 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.

6) 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.

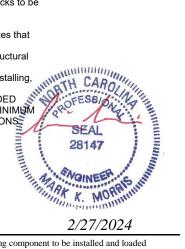
7) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM

GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS

LOAD CASE(S) Standard

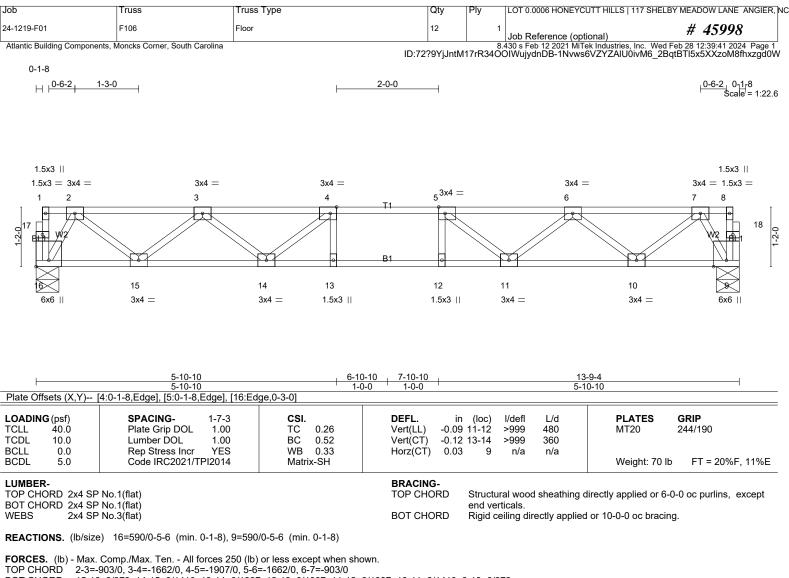
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf)

Vert: 15-28=-8, 1-30=-80, 14-30=-180



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

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



BOT CHORD 15-16=0/373, 14-15=0/1410, 13-14=0/1907, 12-13=0/1907, 11-12=0/1907, 10-11=0/1410, 9-10=0/373

WEBS 4-14=-428/0, 3-14=0/355, 3-15=-660/0, 2-15=0/690, 2-16=-719/0, 5-11=-428/0, 6-11=0/355, 6-10=-660/0, 7-10=0/690, 7-9=-719/0

NOTES- (3-6)

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.

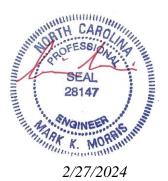
3) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.

4) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

 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.
 SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED

6) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard



Job	Truss		Truss Type)		Qty Pl	y LOT 0.000	6 HONEYCUTT HILI	S 117 SHELBY M	EADOW LANE ANGIER, NC
24-1219-F01	F107		Floor Suppor	ted Gable		1	1 Job Refe	rence (optional)		# 45998
Atlantic Building Com	nponents, Moncks	Corner, South Caro	lina		ID:72	?9YjJntM17rR34	8.430 s Feb 1 400lWujydnDB-	2 2021 MiTek Indust /aTI4SVBJtIb6AF	ries, Inc. Wed Feb 2 I5wpWHk1QQH9	28 12:39:42 2024 Page 1 Z4q3Q610uCENzgd0V
0 ₁ 1 ₇ 8										0_1_8
										Scale = 1:22.6
										1.5x3
1.5x3										1.5x3
1.5x3 =	1.5x3	1.5x3	1.5x3	1.5x3	3x4 =	1.5x3	1.5x3	1.5x3	1.5x3	1.5x3 =
1	2	3	4	5	6 	7	8	9	10	11 12
	•	•	•	•		•	•	•	•	
o ²⁴ □ ^C BU	ST1	ST1	ST1	ST1 VV	2 ST1	ST1	ST1	ST1	ST1	ST1 25 0
	1.		11			11				
									•	
23	22	21	20	19	18	17	16	15	14	13
3x4	1.5x3	1.5x3	1.5x3	3x4 =	1.5x3	1.5x3	1.5x3	1.5x3	1.5x3 ∣∣	6x6

			13-9-4					
I			13-9-4					ļ
Plate Offsets (X,Y)	[6:0-1-8,Edge], [13:Edge,0-1-8], [19:0	-1-8,Edge], [23:Edge,0-1	-8]					
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.06 BC 0.01 WB 0.03 Matrix-SH	DEFL. ir Vert(LL) n/a Vert(CT) n/a Horz(CT) 0.00		l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 61 lb	GRIP 244/190 FT = 20%F, 11%E
			BRACING- TOP CHORD BOT CHORD	end ve	rticals.	0	directly applied or 6-0 d or 10-0-0 oc bracin	0-0 oc purlins, except g.

12 0 /

REACTIONS. All bearings 13-9-4.

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

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

NOTES- (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



Job		Truss	Truss Type		Qty	Ply LOT 0.0006	HONEYCUTT HILLS 1	17 SHELBY MEADOW LANE A	NGIER, NC
24-1219-F01		F108	Floor Supported	Gable	1	1 Job Refere	ence (optional)	# 45998	
Atlantic Buildir	ng Components, N	Moncks Corner, South Car	blina		ID:72?9YjJntM17rR3	8.430 s Feb 12 8400IWujydnDB-zm1	2021 MiTek Industries, I gHoWp4AQSkKsHU2	Inc. Wed Feb 28 12:39:43 2024 X1WGFyb1ZvPZWfGGgdIm	Page 1 qzgd0U
								Scale	= 1:17.8
	3x4	1.5x3	1.5x3	1.5x3	3x4 =	1.5x3	1.5x3	1.5x3 3x4	
	1	2	3	4	5	6	7	8 9	
1-2-0	w1	ST1	ST1	ST1 X		ST1	ST1	ST1 W1	-2-0
					B1	•	•		-1-
1									1
	18	17	16	15	14	13	12	11 10	
	3x4	1.5x3	1.5x3	3x4 =	1.5x3	1.5x3	1.5x3	1.5x3 3x4	

Plate Offsets (X,Y)	[1:Edge.0-1-8], [5:0-1-8,Edge], [15:0-	1-8,Edge], [18:Edge.0-1-8]	10-0-0 10-0-0		
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 0.06 BC 0.01 WB 0.03 Matrix-SH	DEFL. ir Vert(LL) n/a Vert(CT) n/a Horz(CT) -0.00	a - n/a 999 a - n/a 999	PLATES GRIP MT20 244/190 Weight: 47 lb FT = 20%F, 11%E
			BRACING- TOP CHORD BOT CHORD	Structural wood sheathing end verticals. Rigid ceiling directly appli	g directly applied or 10-0-0 oc purlins, except ed or 10-0-0 oc bracing.

REACTIONS. All bearings 10-0-0.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 18, 10, 17, 16, 15, 14, 13, 12, 11

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

NOTES- (5-8)

1) Gable requires continuous bottom chord bearing.

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

LOAD CASE(S) Standard



Job	Truss	Tru	ss Type		Qty	Ply	LOT 0.000	6 HONEYCUT	T HILLS	117 SHELP	Y MEADOW	V LANE ANGIER, NO
24-1219-F01	F109	Floc	or Supported Gable		1		1 Job Refe	erence (optior	nal)		# 4 :	5998
Atlantic Building Compo	onents, Moncks Corner, So	outh Carolina			ID:72?9YjJr	ntM17rR34C	8.430 s Feb 1 OIWujydnD	2 2021 MiTek B-Rya2V8XF	Industries, RrUYJLU	Inc. Wed F RU2EYIp:	Feb 28 12:39 SVIYyFblzs	9:44 2024 Page 1 sPUKNJIGzgd0T
												0- <u>1</u> -8
												Scale = 1:35.4
		1.5	5x3 1.5x3									1.5x3
3x4 1.5x3	1.5x3 1.5x3	1.5x3	3x8 FP=	1.5x3 3x4	4 = 1.5x3	1.5x3	1.5x3 1	1.5x3 1.5	5x3 1	1.5x3	1.5x3	1.5x3 =
1 2	3 ⁴	5 6	7 8	9 10	11	12	$^{13}_{72}$	14 1	15	16	17	18
	ST1 ST1	ST1 ST	● _ ● _ ● T1 ST1 _ B1 _	ST1 ST1		ST1	-12	ST1 S	е Т1 Б В2	e ST1	B ST1	e BE1 37 0- RE1 ↓

28

1.5x3 ||

27

3x4 =

26 25 24

1.5x3 ||

3x8 FP =

1.5x3 ||

23

1.5x3 ||

22

1.5x3 ||

21

1.5x3 ||

20

1.5x3 ||

19

3x4 ||

	1:Edge,0-1-8], [10:0-1-8,Edge], [27:0	-1-8 Edge] [36:Edge 0-1	21-7-6 21-7-6		
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES	CSI. TC 0.08 BC 0.01 WB 0.04	•	a - n/a 999	PLATES GRIP MT20 244/190
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH	(-)		Weight: 92 lb FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SP BOT CHORD 2x4 SP WEBS 2x4 SP		11	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.

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

REACTIONS. All bearings 21-7-6.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 36, 19, 35, 34, 33, 32, 31, 30, 29, 28, 27, 26, 24, 23, 22, 21.20

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

NOTES- (6-9)

36

3x4 ∥

35

1.5x3 ||

34

1.5x3 ||

33

1.5x3 ||

32

1.5x3 ||

31

1.5x3 ||

30

1.5x3 ||

29

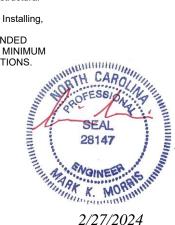
1.5x3 ||

- 1) Gable requirés continuous bottom chord bearing.
- 2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 3) Gable studs spaced at 1-4-0 oc.

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

- 5) CAUTION, Do not erect truss backwards.
- 6) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
- 7) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
- 8) Web bracing shown is for lateral support of individual web members only. Refer to BCSI Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing. 9) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED
- MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard



Job Truss	Truss Type	Qty	Ply	LOT 0.0006 HONEYCUTT HILLS 117 SHELB'	MEADOW LANE ANGIER, NC
24-1219-F01 F109A	Floor Supported Gable	1		Job Reference (optional)	# 45998
Atlantic Building Components, Moncks Corner, South Carolina	ID:7	2?9YjJnt№	8.4 117rR340	430 s Feb 12 2021 MiTek Industries, Inc. Wed F OIWujydnDB-v98RiUY3bogAze0gbx3_Mg	eb 28 12:39:45 2024 Page 1 g2xXMbt1Q8Zj_6sqizgd0S
					0- <mark>1</mark> -8

Scale = 1:37.0

1.5x3 || 1.5x3 || 1.5x3 || 3x4 || 1.5x3 || 1.5x3 || 1.5x3 || 1.5x3 || 3x8 FP= 1.5x3 || 3x4 = 1.5x3 || 1.5x3 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 1-2-0 39 1-2-0 sĦ1 sht sh 1 ST sh ST sh1 sĦ₁ sh1 sht1 SIT S sht B B2 38 37 36 35 34 33 32 31 30 29 28 27 26 25 24 23 22 21 20 1.5x3 || 1.5x3 || 3x8 FP= 1.5x3 || 3x4 || 3x4 || 1.5x3 || 1.5x3 || 1.5x3 || 1.5x3 || 1.5x3 || 1.5x3 || 3x4 = 1.5x3 || 1.5x3 || 1.5x3 || 1.5x3 || 1.5x3 || 1.5x3 ||

	L			22-7-6				
	I			22-7-6				l.
Plate	Offsets (X,Y) [1:Edge,0-1-8], [10:0-1-8,Edge], [29:0	-1-8,Edge], [38:Edge,0-1-	8]				
LOAD TCLL TCDL BCLL BCDL	ING (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. ir Vert(LL) n/a Vert(CT) n/a Horz(CT) 0.00	-	l/defl L/d n/a 999 n/a 999 n/a n/a	PLATES MT20 Weight: 96 lb	GRIP 244/190 FT = 20%F, 11%E
	HORD 2x4 SP HORD 2x4 SP 2x4 SP			BRACING- TOP CHORD BOT CHORD	end ve	erticals.	g directly applied or 6-0 ed or 10-0-0 oc bracing	, <i>,</i> ,

2276

REACTIONS. All bearings 22-7-6.

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

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

NOTES- (6-9)

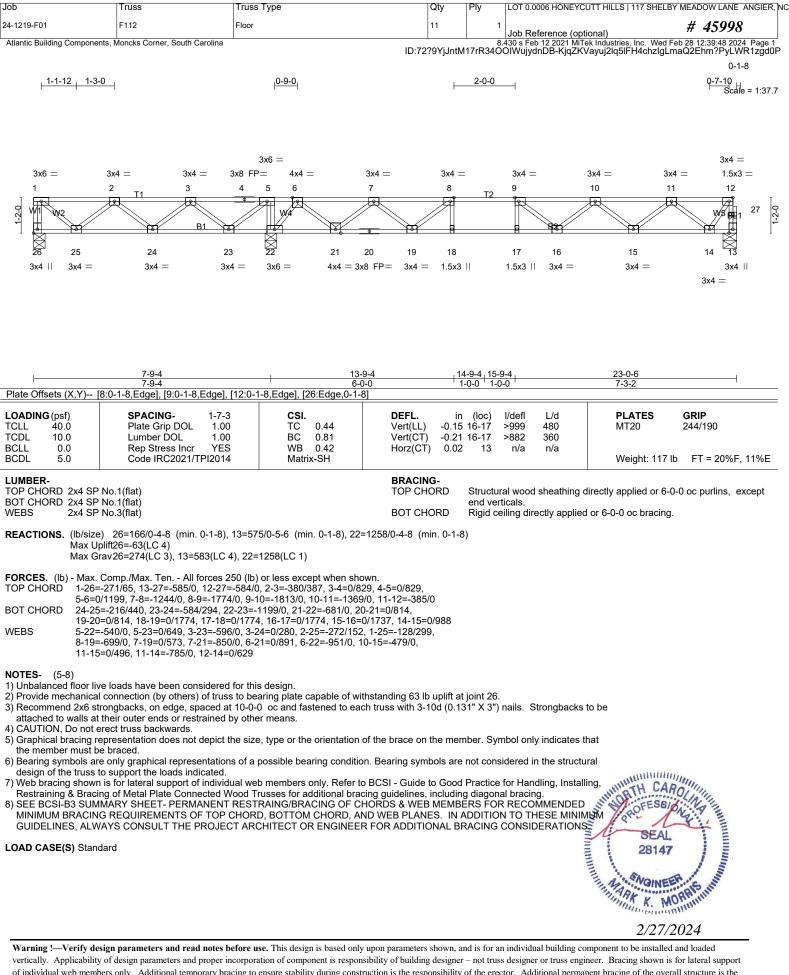
- 1) Gable requires continuous bottom chord bearing.
- 2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 3) Gable studs spaced at 1-4-0 oc.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131"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

LOAD CASE(S) Standard

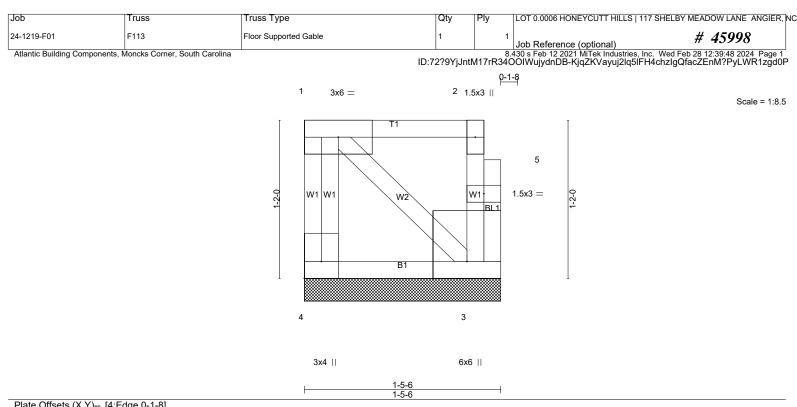


Job	Truss	Truss Type	Qty	Ply LOT 0.0006 HONEYCU	UTT HILLS 117 SHELBY MEADOW LANE ANGIER, NC
24-1219-F01	F110	Floor	7	1 Job Reference (opti	(ional) # 45998
Atlantic Building Componen	ents, Moncks Corner, South Carolina		ID:72?9YjJr	8.430 s Feb 12 2021 MiTe	ek Industries, Inc. Wed Feb 28 12:39:46 2024 Page 1 YhM5o1bobs9faDuta_smlPmkWiyesQN8zgd0R
					0-1-8
1-3-0	<u>⊢ 1-1-4</u>	<u>1-0-8</u> <mark>0-9-0</mark>		2-0-0	<u>0-10-10</u> Scale = 1:36.1
					1.5x3
3x6 = 1	3x4 = 3x6 = 2 3	$4x6 = 3x4 3x4 = 3x8 F$ $4 \qquad 5 \qquad 6 \qquad 7$	FP= 3x4 = 8	3x4 = 3x4 = 9	3x4 = 3x4 = 1.5x3 = 11 12 13
I Text					
1-2-0	W3	W4 W5			
				M M I*I	
26 25 3x4 4x4 =	24 23 3x6 = 4x6 =		20 19 = 3x8 FP= 3x4 =	18 17 16 1.5x3 1.5x3 3x4	
JX4 TAT -	JXU — TAU —	3X0 — 5X.	= 3X8 FF- 0AT -		S= 3λ4 - υλυ Π
3-11	1-12 7-9-4	Λ	13-9-4	14-9-4 15-9-4	22-0-6
3-11		8	6-0-0	1-0-0 1-0-0	6-3-2
LOADING (psf)	SPACING- 1-7-3		DEFL.	in (loc) l/defl L/d	PLATES GRIP
TCLL Ä0.Ó	Plate Grip DOL 1.00	0 TC 0.47	Vert(LL) -0.	.11 16-17 >999 480	MT20 244/190
TCDL 10.0 BCLL 0.0	Lumber DOL 1.00 Rep Stress Incr NC	O WB 0.60		.15 16-17 >999 360 .02 14 n/a n/a	
BCDL 5.0	Code IRC2021/TPI2014	4 Matrix-SH			Weight: 114 lb FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SP	۷ No 1(flat)		BRACING- TOP CHORD	Structural wood sheathing d	directly applied or 6-0-0 oc purlins, except
BOT CHORD 2x4 SP			BOT CHORD	end verticals.	d or 10-0-0 oc bracing, Except:
		14 = 507/0 = 6 (min 0.1.8) 2'		6-0-0 oc bracing: 22-23,21-2	
	e) 26=608/0-4-8 (min. 0-1-8), 5rav26=706(LC 3), 14=534(LC	, 14=507/0-5-6 (min. 0-1-8), 22 4), 22=1756(LC 1)	2=1/30/0-4-0 (11111. 0	1-8)	
		250 (lb) or less except when sh			
8-9=-	-1079/14, 9-10=-1522/0, 10-11=				
BOT CHORD 24-25		3=-712/237, 21-22=-972/0, 20-2	21=-174/704, 19-20=-1	174/704, 18-19=0/1522,	
WEBS 3-24=	=-396/23, 1-25=0/1016, 2-25=-9	925/0, 2-24=-15/623, 3-23=-13			
	·U/538, 8-21-02010, 0-21-0100	56, 6-22=-942/0, 11-15=-540/0	, 12-15-0/503, 12-1 - -	-/15/0	
	ve loads have been considered				
	trongbacks, on edge, spaced a t their outer ends or restrained		ach truss with 3-10d (0	0.131" X 3") nails. Strongbacks t	to be
3) CAUTION, Do not e	erect truss backwards.	,	n of the brace on the m	nember. Symbol only indicates th	hat
the member must b	be braced.				
design of the truss t	to support the loads indicated.			are not considered in the structur	
		dual web members only. Refer t Nood Trusses for additional bra		ood Practice for Handling, Installi ding diagonal bracing.	0
7) SEE BCSI-B3 SUM	IMARY SHEET- PERMANENT	RESTRAING/BRACING OF C	CHORDS & WEB MEM	MBERS FOR RECOMMENDED N ADDITION TO THESE MINIM	and antimitation the
				BRACING CONSIDERATIONS	B TH CAROLINI
LOAD CASE(S) Stand					SEAL 28147
1) Dead + Floor Live (Uniform Loads (plf)	(balanced): Lumber Increase=1)	00, Plate Increase=1.00			SEAL
	=-8, 1-13=-80			10,	28147
Vert: 3=-96				-	
					A ANOINEE ORIGINA
					Management
					2/27/2024

lob	Truss	Truss Type	Qty Ply LOT	0.0006 HONEYCUTT HILLS 117 SH	ELBY MEADOW LANE ANGIER,
24-1219-F01	F111	Floor		Reference (optional)	# 45998
Atlantic Building Compone	ents, Moncks Corner, South Carolina		8.430 s	Feb 12 2021 MiTek Industries, Inc. W InDB-sXGB7AZK7PwuCxA3jM5S	/ed Feb 28 12:39:47 2024 Page 1 R57BPADpVFdsAlbzvbzgd0Q
<u> </u>		0-8-8	<u> </u>		1-1-12
					Scale = 1:28.6
3x6 = 1	3x4 = 3x8 FP = 2 3	3x4 = 3x6 = 4 5	3x4 = 3x6 = 6 7	3x4 = 3x4 = 8	3x6 = 10
1-2-0		W3			W5 W1 -2-1
	¥¥				
20		18 17	46 15	14 13	12
3x4 3x₄	4 = 3x4 =	3x6 = 3x4 =	3x6 = 3x4 =	3x4 = 3x8 FP=	$3x4 = 3x4 \parallel$
 	<u>6-1-0</u> 6-1-0	9-10-3-9-		<u>17-7-12</u> 7-9-4	
Plate Offsets (X,Y)					
OADING (psf)	SPACING- 1-7		DEFL. in (loc) I/det		GRIP
CLL 40.0 CDL 10.0	Plate Grip DOL 1.0 Lumber DOL 1.0	0 BC 0.23	Vert(LL) -0.03 18-19 >999 Vert(CT) -0.04 18-19 >999	9 360	244/190
3CLL 0.0 3CDL 5.0	Rep Stress Incr N Code IRC2021/TPI20		Horz(CT) 0.01 16 n/a	a n/a Weight: 9	5 lb FT = 20%F, 11%E
UMBER-			BRACING-		
FOP CHORD 2x4 SF BOT CHORD 2x4 SF			TOP CHORD Structural we end verticals	ood sheathing directly applied o	r 6-0-0 oc purlins, except
	P No.3(flat)			directly applied or 6-0-0 oc brac	cing.
	e) 21=420/0-4-8 (min. 0-1-8 Jplift11=-19(LC 3)	, 11=201/0-4-8 (min. 0-1-8), 16	=1159/0-4-8 (min. 0-1-8)		
	Grav21=439(LC 3), 11=275(LC	4), 16=1159(LC 1)			
		250 (lb) or less except when sh			
	=-434/0, 10-11=-271/22, 1-2≕ 0/568, 8-9=-382/230	464/0, 2-3=-978/0, 3-4=-978/0,	4-5=-1041/0, 5-6=-461/44, 6-7=0/946,		
			-375/297, 13-14=-111/441, 12-13=-11 300, 1-20=0/582, 2-20=-524/0, 5-17=-7		
6-17	=0/743, 6-16=-950/0				
IOTES- (5-8)	ive loads have been considere	d for this design			
) Provide mechanica	al connection (by others) of tru	ss to bearing plate capable of w	ithstanding 19 lb uplift at joint 11.		
	strongbacks, on edge, spaced It their outer ends or restrained		ich truss with 3-10d (0.131" X 3") nails	. Strongbacks to be	
	erect truss backwards. representation does not depic	the size. type or the orientation	of the brace on the member. Symbol	only indicates that	
the member must l	be braced.		on. Bearing symbols are not considere		
design of the truss	to support the loads indicated		0,1		
Restraining & Brac	ing of Metal Plate Connected	Wood Trusses for additional bra	to BCSI - Guide to Good Practice for H icing guidelines, including diagonal bra	acing.	Within.
) SEE BCSI-B3 SUN MINIMUM BRACIN	MMARY SHEET- PERMANEN	T RESTRAING/BRACING OF C CHORD, BOTTOM CHORD, A	CHORDS & WEB MEMBERS FOR REIN ND WEB PLANES. IN ADDITION TO	THESE MINIMUM	AROLIN
GUIDELINES, ALV	WAYS CONSULT THE PROJE	CT ARCHITECT OR ENGINEE	R FOR ADDITIONAL BRACING CON	SIDERATIONS.	SOIDN A HIL
OAD CASE(S) Star	ndard (balanced): Lumber Increase=	1 00 Plate Increase=1 00		HI SP	AL
Uniform Loads (plf		1.00, 1 late molease - 1.00		281	47
Vert: 11-21	1=-8, 1-10=-80 ds (lb)				
Concentrated Load				A NON	STAN S
Concentrated Load Vert: 5=-25	50			AD. So.	NEE BIS INT
Concentrated Load Vert: 5=-25	50 ` ´			THARK K	MORAL
Concentrated Load Vert: 5=-25	50`´		icing guidelines, including diagonal bre CHORDS & WEB MEMBERS FOR RE ND WEB PLANES. IN ADDITION TO R FOR ADDITIONAL BRACING CON	2/2	MORALS



vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss designer or truss designer. 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.



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 0.07 BC 0.01 WB 0.00 Matrix-P	Vert(LL) n	in (loc) 'a - 'a - 0 3	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES GRIP MT20 244/190 Weight: 11 lb FT = 20%F, 11%F
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF	P No.1(flat)		BRACING- TOP CHORD		ural woo	d sheathing	directly applied or 1-5-6 oc purlins, except

WEBS 2x4 SP No.3(flat) BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 4=66/1-5-6 (min. 0-1-8), 3=60/1-5-6 (min. 0-1-8)

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

NOTES- (6-9)

- Gable requires continuous bottom chord bearing.
- 2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 3) Gable studs spaced at 1-4-0 oc.

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

5) CAUTION, Do not erect truss backwards.

6) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.

7) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

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 9) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard

