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 #: 46471 JOB: 24-1221-F01 JOB NAME: LOT 0.0092 BLAKE POND 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. *12 Truss Design(s)*

Trusses: F101, F102, F103, F104, F105, F106, F107, F108, F109, F110, F111, F112



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

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

Job	Truss	Truss Type	Qty	Ply	LOT 0.0092 BLAKE POND	D 122 WHIMBREL COURT	LILLINGTON, NC
24-1221-F01	F101	Floor Supported Gable	1	1	Job Reference (optiona		# 46471
		Rur	: 8.430 s Feb 1 220Vi IntM17r	2 2021 Print R34001W	t: 8.430 s Feb 12 2021 MiTe	ek Industries, Inc. Sat Mar 1 gmIJsyqtpOMWappGEM	6 10:55:14 2024 Page 1
0-1-8		10.7	2:91,01100171	1040010		JIIIIJSYQDOWWAPPOLW	
Н							
							Scale = 1:38.4
1.5x3	1	.5x3 1.5x3					1.5x3
	' 1.5x3 1.5x3 1.5x3	3x8 FP = 1.5x3 3x4 = 1.5x3	1.5x3	1.5x3	1.5x3 1.5x3 1.5	5x3 1.5x3 1.5x3	
1 2	3 ₁ 4 5	6 7 8 9 10 11	12	¹³ T2	14 15 1	16 17 18	19 20
				ST1	8 8	e e e T1 ST1 ST1	
	ST1 ST1 ST1	ST1 ST1 ST1 W2 ST1 ST1 B1 B F3 B B	ST1	SI1 — 6	ST1 ST1 S	T1 ST1 ST1 32 G G	
XXXXXXXXX		M	xxxxxx	XXXXX	×××××××××××	*****	
40 39	38 37 36	35 34 33 32 31	30 29			25 24 23	22 21
3x4 1.5x3 1	1.5x3 1.5x3 1.5x3 1	$.5x3 \mid\mid 1.5x3 \mid\mid 3x4 = 1.5x3 \mid\mid 1.5x3$		FP=	1.5x3 1.5x3 1.5	5x3 1.5x3 1.5x3	
			1.5x3	1.5x3			1.5x3
		<u>23-3-12</u> 23-3-12					
Plate Offsets (X,Y) [10	:0-1-8,Edge], [33:0-1-8,Edge						
LOADING (psf)	SPACING- 2-0-0	CSI. DEF	L. in	(loc)	l/defl L/d	PLATES G	RIP
TCLL 40.0 TCDL 10.0	Plate Grip DOL 1.00 Lumber DOL 1.00	TC 0.06 Veri BC 0.01 Veri	(LL) n/a (CT) n/a		n/a 999 n/a 999	MT20 24	14/190
BCLL 0.0	Rep Stress Incr YES	WB 0.03 Hor.	z(CT) 0.00		n/a 999 n/a n/a		
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH				Weight: 100 lb	FT = 20%F, 11%E
LUMBER-		BRA	CING-				

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

TOP CHORD BOT CHORD

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

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

REACTIONS. All bearings 23-3-12.

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

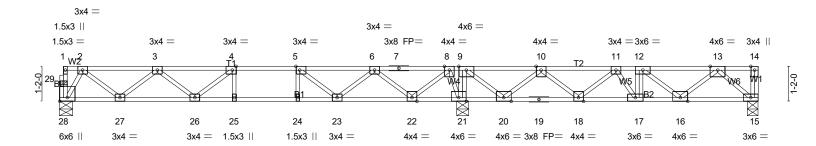
NOTES-(6-9)

- 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).
- 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.

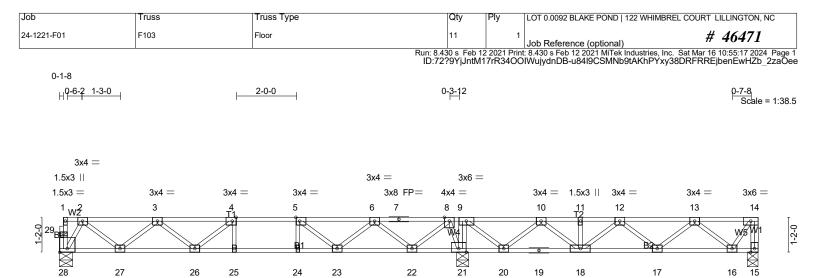
LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	LOT 0.0092 BLAKE POND 122 WHIMBREL	COURT LILLINGTON, NC
24-1221-F01	F102	Floor	4	1	Job Reference (optional)	# 46471
		Ru			: 8.430 s Feb 12 2021 MiTek Industries, Inc. S OIWujydnDB-yly kWQ6r u9x0X0RXvb30	
0-1-8			-			
H 0-6-2 1-3-0	H	2-0-0	0-3-12		Q-7-12	1-1-4 Scale = 1:38.5



<u> </u>	5-10-10 5-10-10	6-10-107-10-10 1-0-0 1-0-0	13-5-6 5-6-12			19-4 5-10-			3-14 1-12
Plate Offsets (X,Y)	[4:0-1-8,Edge], [5:0-1-8	,Edge], [28:Edge,0-3-0]							
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		0.51	Vert(LL) -0.	in (loc) 10 25-26 14 25-26 03 15	l/defl >999 >999 n/a	L/d 480 360 n/a	PLATES MT20 Weight: 122 lb	GRIP 244/190 FT = 20%F, 11%E
BODL 5.0									TT = 2070T, TT70L
LUMBER- TOP CHORD 2x4 S BOT CHORD 2x4 S WEBS 2x4 S	P No.1(flat) P No.1(flat) P No.3(flat)			BRACING- TOP CHORD BOT CHORD	end ver	ticals.	0	rectly applied or 6-0 or 6-0-0 oc bracing.	-0 oc purlins, except
	ze) 28=461/0-5-6 (min. Grav28=505(LC 3), 21=1			5/0-4-8 (min. 0-	1-8)				
TOP CHORD 2-3= 9-10 BOT CHORD 27-2 21-2 16-1 WEBS 12-1	21-22=-1299/0, 20-21=-1545/0, 19-20=-228/1068, 18-19=-228/1068, 17-18=0/2413, 16-17=0/2731, 15-16=0/1035 BS 12-17=-498/0, 9-21=-1000/0, 3-27=-545/0, 2-27=0/565, 2-28=-610/0, 5-23=-679/0,								
10-1 NOTES- (4-7) 1) Unbalanced floor	3=0/562, 6-22=-836/0, 8-2 8=0/999, 11-18=-959/0, live loads have been con	11-17=0/618, 12-16=-1	095/0, 13-16=0/107	2, 13-15=-1356/		n1			
be attached to wa 3) CAUTION, Do not 4) Graphical bracing the member must		restrained by other mea depict the size, type or	ns. the orientation of th	e brace on the r	nember. S	ymbol on	ly indicates t	hat	
design of the truss 6) Web bracing show	are only graphical represents to support the loads ind vn is for lateral support of cing of Metal Plate Conn MMARY SHEET- PERM.	licated. f individual web membe	rs only. Refer to BC	SI - Guide to Go	od Practic	e for Ha	ndling, Install	ing,	Mining LINING
LOAD CASE(S) Star 1) Dead + Floor Live Uniform Loads (pl	(balanced): Lumber Incr f) 8=-8, 1-14=-80 ds (lb)			R ADDITIONAL	N ADDITIO	G CONSI	HESE MINIM	SEAL 28147	See Street
								MIN K. MO	innin



22

3x4 =

 \boxtimes

21

4x6 =

20

19

3x4 = 3x8 FP=

18

3x8 =

17

3x4 =

16 15

3x4 || 3x4 =

 	5-10-10 5-10-10	<u>β-10-10</u> 7-10-		-5-6 5-12				-3-14 10-8		
Plate Offsets (X,Y)-	- [4:0-1-8,Edge], [5:0-1-8						.			
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	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 (loc) -0.10 25-26 -0.13 25-26 0.02 15	l/defl >999 >999 n/a	L/d 480 360 n/a	PLATES MT20 Weight: 120 lb	GRIP 244/190 FT = 20%F, 11%E	
TOP CHORD 2x4 SP No.1(flat) To BOT CHORD 2x4 SP No.1(flat)					BRACING- TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. 213/0-4-8 (min. 0-1-8)					
FORCES. (lb) - Ma TOP CHORD 14-	Grav 28=515(LC 3), 15=3 x. Comp./Max. Ten All f 15=-373/0, 2-3=-768/0, 3- =-69/313, 8-9=0/1085, 9-'	orces 250 (lb) c 4=-1345/0, 4-5	or less except when s =-1423/0, 5-6=-1011/	0, 6-7=-69/313,	696/40					
BOT CHORD 27- 21-	BOT CHORD 27-28=0/323, 26-27=0/1197, 25-26=0/1423, 24-25=0/1423, 23-24=0/14 21-22=-859/0, 20-21=-1085/0, 19-20=-399/442, 18-19=-399/442, 17-18 16-17=0/584									
WEBS 9-21=-590/0, 3-27=-558/0, 2-27=0/579, 2-28=-623/0, 5-23=-576/0, 6-23=0/496, 6-22=-787/0, 8-22=0/819, 8-21=-742/0, 9-20=0/712, 10-20=-656/0, 10-18=0/385, 12-18=-266/0, 13-16=-466/1, 14-16=0/387										
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.

27

3x4 =

6x6 ||

26

3x4 =

25

1.5x3

24

1.5x3 ||

23

3x4 =

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.

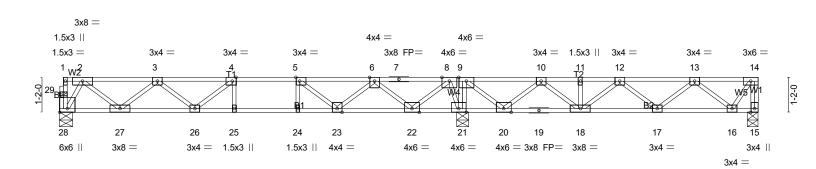
5) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

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.

9. WHITH CARO PROFESSION IN SEAL 28147 MONEER F. MORRISHIM 3/207 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 Andreas and the second

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	LOT 0.0092 BLAKE POND 122 WHIMBREL CO	OURT LILLINGTON, NC
24-1221-F01	F104	FLOOR	3	1	Job Reference (optional)	# 46471
		Run: 8 ID:7	.430 s Feb 12 ??9YjJntM1	2 2021 Print 7rR34001	t: 8.430 s Feb 12 2021 MiTek Industries, Inc. Sat WujydnDB-rWCVZuTcvDPaQdrngM_XDeX	Mar 16 10:55:19 2024 Page 1 (VQFuh3ToXNb2i3wzaOec
0-1-8						
H <mark>9-6-2_1-3-0</mark>	H	2-0-0	0-3-12			0-7-8 Scale = 1:38.5



	5-10-10 5-10-10	<u>β-10-10</u> 7-10-1 1-0-0 1-0-0		-5-6 6-12			<u>23-3-14</u> 9-10-8	
Plate Offsets (X,Y)	[4:0-1-8,Edge], [5:0-1-8			-				
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 PI2014	CSI. TC 0.74 BC 0.71 WB 0.74 Matrix-SH	Vert(CT)	in (loc) -0.09 25-26 -0.22 25-26 0.03 15	l/defl L/d >999 480 >713 360 n/a n/a	PLATES MT20 Weight: 120 lb	GRIP 244/190 FT = 20%F, 11%E
WEBS 2x4 S		0-1-8) 15=509/).4.8 (min 0.1.8) 2	BRACING- TOP CHOR BOT CHOR	end ve D Rigid o 6-0-0 o	erticals.	g directly applied or 6-0 lied or 10-0-0 oc bracing 20-21,18-20.	
TOP CHORD 14-1 7-8= 13-1 BOT CHORD 27-2 21-2 16-1 WEBS 4-25 2-28 9-20	c. Comp./Max. Ten All f 5=-656/0, 2-3=-1430/0, 3 0/442, 8-9=0/2015, 9-10 4=-387/0 8=0/610, 26-27=0/2244, (2=-1553/0, 20-21=-2015 7=0/1014 i=-256/0, 5-24=0/280, 9-3 i=-1177/0, 5-23=-1114/0, i=0/1339, 10-20=-1258/0	3-4=-2496/ò, 4-5 =0/1021, 10-11= 25-26=0/2613, 2 /0, 19-20=-363/2 21=-1120/0, 3-26 6-23=0/929, 6-2	=-2613/0, 5-6=-1781 -944/0, 11-12=-944/ 24-25=0/2613, 23-24 69, 18-19=-363/469 5=0/329, 3-27=-1058 22=-1520/0, 8-22=0/	I/0, 6-7=0/442, /0, 12-13=-1150/0, 1=0/2613, 22-23=0/1 0, 17-18=0/1261, 8/0, 2-27=0/1068, 1555, 8-21=-1351/0,				
 2) Recommend 2x6 s be attached to wal 3) CAUTION, Do not 4) Graphical bracing the member must 5) Bearing symbols a design of the truss 6) Web bracing show Restraining & Brac 7) SEE BCSI-B3 SUI MINIMUM BRACII 	are only graphical repres s to support the loads inc wn is for lateral support o cing of Metal Plate Conn MMARY SHEET- PERM. NG REQUIREMENTS O WAYS CONSULT THE F	paced at 10-0-0 restrained by oth depict the size, t entations of a po licated. f individual web t ected Wood Tru ANENT RESTR/ F TOP CHORD,	oc and fastened to e er means. ype or the orientatio ssible bearing condi members only. Refe sses for additional b NING/BRACING OF BOTTOM CHORD, /	n of the brace on th ition. Bearing symbo r to BCSI - Guide to racing guidelines, in CHORDS & WEB M AND WEB PLANES	e member. S ols are not co Good Practi icluding diag IEMBERS F 5. IN ADDITI	Symbol only indicat	stalling	A BELLING

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.

3/13/2024

Job	Truss	Truss Typ	9		Qty	Ply	LOT 0.0	092 BLAKE P	OND 122 WHIMBRE	EL COURT LI	LLINGTON, NC	
24-1221-F01	F105	Floor			1	,	1					
24-1221-101	1 105				' 		Job Re	ference (op	tional)		46471	
				Run: 8.43 ID:72	80 s ⊦eb 12 2?9YjJntM	2021 Pri 117rR34	nt: 8.430 s OOIWujy	Feb 12 2021 dnDB-Jjmtnl	MiTek Industries, Inc. EUFgWXR1nQ_D4	Sat Mar 16 1 Vmmr3flfEro	0:55:20 2024 P 0x3gcFnFbNza	'age aOel
0-1-8												
H <mark>0-6-2 1-3-0</mark>	-1	2-0-0	4	0	-3-12						0-7-8 Scale = 1	
	1										Scale = 1	1:38.5
3x4 =												
1.5x3			3x	4 =	4x6 =							
1.5x3 =	3x4 =	3x4 =	3x4 =		x6 =		3x4 =	= 1.5x3	3x4 =	3x4 =	4x6 =	
¹ w 2	3	4 t	5 30 6	7 8	39		10	11 T2	12	13	14	
				₹■₹	AND -		- Jet			<u></u>	W311	Īc
29 ₈					W		/ `			/ \	. // []]	
	ĕł <u></u> ĕł	8		<u>\</u>		<u> 18</u>			B		16 15	1
28	27 26	25	24 23	22	21	20	19	18	17		16 15	
6x6 3	x4 = 3x4 =	1.5x3 1.5	5x3 3x4 =	4x6 =	4x6 =	4x6 =	= 3x8 FP	= 3x8 =	3x4 =		3x4	
											4x4 =	
<u> </u>	5-10-10 5-10-10	6-10-107-10-10 1-0-0 1-0-0	13	-5-6 6-12					3-3-14 9-10-8			
Plate Offsets (X,Y)	[4:0-1-8,Edge], [5:0-1-8			5-12					9-10-0			-
LOADING (psf)	SPACING-	1-7-3	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIF		
TCLL Ä0.Ó	Plate Grip DOL	1.00	TC 0.83	Vert(LL)			>999	480	MT20	244/		
TCDL 10.0 BCLL 0.0	Lumber DOL	1.00 NO	BC 0.71 WB 0.68	Vert(CT)		25-26 15	>999 n/a	360 n/a				
BCDL 5.0	Rep Stress Incr Code IRC2021/		Matrix-SH	Horz(CT) 0.02	15	n/a	11/a	Weight: 1		= 20%F, 11	~ -

BRACING-

TOP CHORD

BOT CHORD

end verticals

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

SEAL

28147

K. MOR

3/13/2024

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

LUMBER-

TOP CHORD 2x4 SP No.1(flat)

BOT CHORD 2x4 SP No.1(flat)

2x4 SP No.3(flat) WFBS

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 Grav 28=534(LC 3), 15=812(LC 4), 21=2176(LC 1)

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

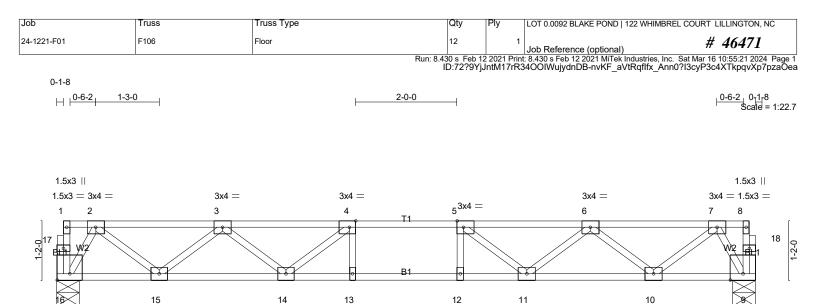
1) Unbalanced floor live loads have been considered for this design.

- 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.
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- 6) Web bracing shown is for lateral support of individual web members only. Refer to BCSI Guide to Good Practice for Handling, Installing, With CARO WRTH CARO POFESSI
- 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 AND DIMENSION

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



ļ	<u>5-10-10</u> 5-10-10	6-10- 1-0-			-9-4 0-10	
Plate Offsets (X,Y)	[4:0-1-8,Edge], [5:0-1-8,Edge], [16:Ed	dge,0-3-0]				
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 1-7-3 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.26 BC 0.52 WB 0.33 Matrix-SH	()	9 11-12 >999 480 2 13-14 >999 360	PLATES GRIP MT20 244/190 Weight: 70 lb FT =	20%F, 11%E
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF			BRACING- TOP CHORD	Structural wood sheathing end verticals.	directly applied or 6-0-0 oc pu	rlins, except

2x4 SP No.3(flat) WEBS

6x6 ||

BOT CHORD

1.5x3 ||

3x4 =

3x4 =

6x6 ||

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

REACTIONS. (Ib/size) 16=590/0-5-6 (min. 0-1-8), 9=590/0-5-6 (min. 0-1-8)

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

- TOP CHORD 2-3=-903/0, 3-4=-1662/0, 4-5=-1907/0, 5-6=-1662/0, 6-7=-903/0
- 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

3x4 =

1.5x3 ||

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, WEBS 7-9=-719/0

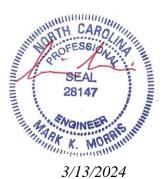
NOTES-(3-6)

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

3x4 =

- 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.
- 5) 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. 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



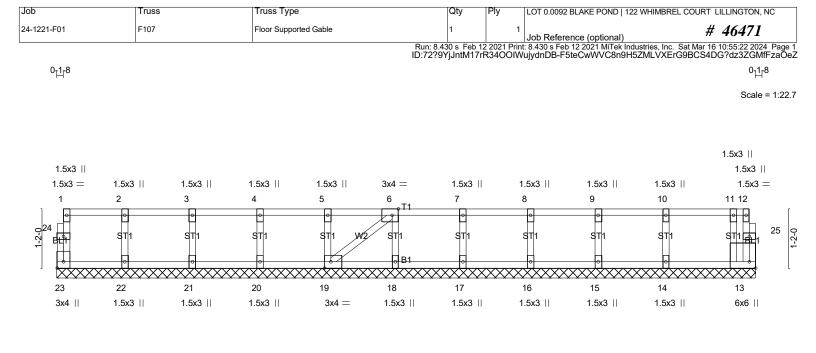


Plate Offsets (X,Y)	[6:0-1-8,Edge], [13:Edge,0-1-8], [19:0	-1-8,Edge], [23:Edge,0-1	13-9-4 13-9-4 -8]				
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.06 BC 0.01 WB 0.03 Matrix-SH	DEFL. ir Vert(LL)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

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

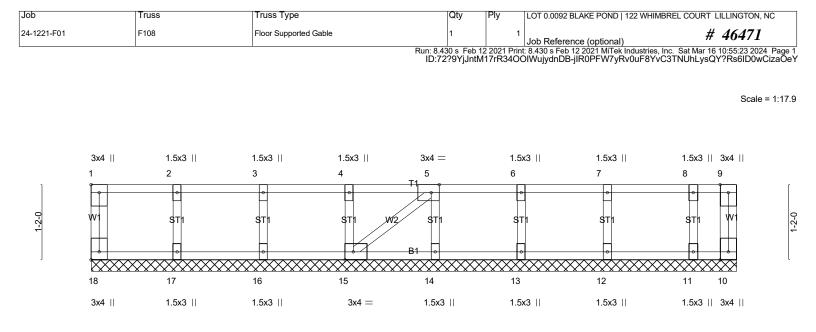
NOTES- (5-8)

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





			10-0-0		
I			10-0-0		I
Plate Offsets (X,Y)	[1:Edge,0-1-8], [5:0-1-8,Edge], [15:0-	1-8,Edge], [18: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. ii Vert(LL) n/a Vert(CT) n/a Horz(CT) -0.00	a - n/a 999	PLATES GRIP MT20 244/190 Weight: 47 lb FT = 20%F, 11%E
			BRACING- TOP CHORD BOT CHORD	end verticals.	ng directly applied or 10-0-0 oc purlins, except blied or 10-0-0 oc bracing.

10-0-0

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



000	11000		
24-1221-F01	F109	Floor Supported Gable	² 1 Job Reference (optional) # 46471
			430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Sat Mar 16 10:55:25 2024 Page 1 :72?9YjJntM17rR34OOIWujydnDB-fgZmqxYNU39k8YIx0d5xTvngDg6zTLIPIXV0GazaOeV
			0-1-8
			Scale = 1:35.6
		1.5x3 1.5x3	1.5x3
3x4 1.5x3 1	.5x3 1.5x3 1.5x3	3x8 FP= 1.5x3 3x4 = 1.5x	5x3 1.5x3 1.5x3 1.5x3 1.5x3 1.5x3 1.5x3 1.5x3 1.5x3 =
1 2	3 4 5	6 7 8 9 10 11	11 12 13 14 15 16 17 18 T2
		STI1 STI1 STI1 W2 STI1 ST	
		STI STI STI W2 STI ST	
		XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
36 35	34 33 32	31 30 29 28 27	27 26 25 24 23 22 21 20 19
3x4 1.5x3 1	.5x3 1.5x3 1.5x3	1.5x3 1.5x3 3x4 = 1.5x3 1.5x	5x3 3x8 FP= 1.5x3 1.5x3 1.5x3 1.5x3 3x4
			1.5x3 1.5x3

Qtv

Plv

LOT 0.0092 BLAKE POND | 122 WHIMBREL COURT LILLINGTON, NC

1			21-7-6				1
F			21-7-6				1
Plate Offsets (X,Y)	[1:Edge,0-1-8], [10:0-1-8,Edge], [29:0)-1-8,Edge], [36:Edge,0-1	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 0.08 BC 0.01 WB 0.04 Matrix-SH	DEFL. in 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: 92 lb	GRIP 244/190 FT = 20%F, 11%E
			BRACING- TOP CHORD BOT CHORD	end ver	rticals.	directly applied or 6- d or 10-0-0 oc bracir	0-0 oc purlins, except ng.

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

NOTES- (6-9)

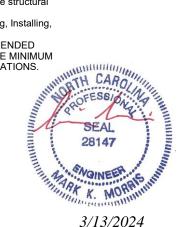
Job

Truss

Truss Type

- 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 0.0092 BLAKE PON	D 122 WHIMBREL COU	RT LILLINGTON, NC
24-1221-F01	F110	Floor	7 1	Job Reference (option		# 46471
			Run: 8.430 s Feb 12 2021 Print ID:72?9YjJntM17rR34	8.430 s Feb 12 2021 MiT OOIWujydnDB-8s781I	ek Industries, Inc. Sat Ma HZ?FMHblit7aKcA?6JI	ar 16 10:55:26 2024 Page 1 n4HYCfjZ_BEap0zaOeV
120	114	108 000	2.0	0		0-1-8
<u> </u>	<u>⊢1-1-4</u>	<u>1-0-8</u> <mark>0-9-0</mark>	<u> </u>	-0		0-10-10 Scale = 1:36.3
						4.5-2.11
3x6 =	3x4 = 3x6 =	4x6 = 3x4 3x4 = 3x8	FP= 3x4 = 3x4 =	3x4 =	3x4 =	1.5x3 ∥ 3x4 = 1.5x3 =
1	2 3 T1	4 5 6 7	8 9	10 •T2	11	12 13
1-2-0	100 W3	W4 W5				
				B2 📷		
26 25	24 23	22 21	20 19 18	17 16	15	
3x4 4x4	= 3x6 = 4x6	= 3x8 = 3x4	= 3x8 FP= 3x4 = 1.5x3	1.5x3 3x4 =	= 3x4 =	6x6
. 3-	11-12 , 7	7-9-4	13-9-4 , 14-9-4 ,	15-9-4	22-0-6	
3-		3-9-8	6-0-0 1-0-0	1-0-0	6-3-2	
OADING (psf)		-7-3 CSI .	DEFL. in (loc)	/defl L/d	PLATES	GRIP
CLL 40.0 CDL 10.0		1.00 TC 0.47 1.00 BC 0.76	Vert(LL) -0.11 16-17	>999 480 >999 360	MT20	244/190
CLL 0.0 CDL 5.0		NO WB 0.60	Horz(CT) 0.02 14	n/a n/a	Weight: 114 lb	FT = 20%F, 11%E
UMBER-			BRACING-			
OP CHORD 2x4 S BOT CHORD 2x4 S					rectly applied or 6-0-	0 oc purlins, except
	SP No.3(flat)		BOT CHORD Rigid ce	ling directly applied of bracing: 22-23,21-22		, Except:
REACTIONS. (Ib/s	ze) 26=608/0-4-8 (min. 0-1 Grav26=706(LC 3), 14=534	1-8), 14=507/0-5-6 (min. 0-1-8), 2		bracing. 22-20,21-22	2,10-21.	
			hour			
OP CHORD 1-2	6=-702/0, 1-2=-810/0, 2-3=-1	and the second second second	18, 5-6=0/1507, 6-7=-102/407, 7-8	102/407,		
OT CHORD 24-		2-23=-712/237, 21-22=-972/0, 20	-21=-174/704, 19-20=-174/704, 18	-19=0/1522,		
VEBS 3-2		5=-925/0, 2-24=-15/623, 3-23=-13	312/0, 4-23=0/1261, 4-22=-1493/0	, 9-19=-642/0,		
	9=0/538, 8-21=-820/0, 6-21=	0/856, 6-22=-942/0, 11-15=-540/0), 12-15=0/563, 12-14=-715/0			
	live loads have been consid					
A Recommend 2x6			each truss with 3-10d (0.131" X 3")	nails. Strongbacks	to	
be attached to wa	alls at their outer ends or rest					
 be attached to was CAUTION, Do not 	t erect truss backwards.	pict the size, type or the orientatio	n of the brace on the member. Sy	mbol only indicates th	nat	
 be attached to way CAUTION, Do not Graphical bracing the member mus 	t erect truss backwards. g representation does not dep t be braced.			•		
 be attached to wa CAUTION, Do no Graphical bracing the member mus Bearing symbols design of the trus 	t erect truss backwards. g representation does not dep t be braced. are only graphical representa s to support the loads indica	ations of a possible bearing condi ted.	tion. Bearing symbols are not con	sidered in the structu	ral	
be attached to wa be attached to wa be Graphical bracing the member mus bearing symbols design of the trus bearing some some some some bearing some some some some some bearing some some some some some some bearing some some some some some some some some	t erect truss backwards. g representation does not dep t be braced. are only graphical represent s to support the loads indica wn is for lateral support of ind	ations of a possible bearing condi ted. dividual web members only. Refe	tion. Bearing symbols are not con	sidered in the structu for Handling, Installi	ral	
be attached to wa be attached to wa be Graphical bracing the member mus bearing symbols design of the trus bearing some some some some bearing some some some some some bearing some some some some some some bearing some some some some some some some some	t erect truss backwards. g representation does not dep t be braced. are only graphical represent s to support the loads indica wn is for lateral support of ind	ations of a possible bearing condi ted. dividual web members only. Refe	tion. Bearing symbols are not con	sidered in the structu for Handling, Installi	ral ing, UM,	unin.
be attached to wa CAUTION, Do no Graphical bracing the member mus Bearing symbols design of the trus	t erect truss backwards. g representation does not dep t be braced. are only graphical represent s to support the loads indica wn is for lateral support of ind	ations of a possible bearing condi ted. dividual web members only. Refe	tion. Bearing symbols are not con	sidered in the structu for Handling, Installi	ral ing, UM,	
be attached to wa be attached to wa be Graphical bracing the member mus bearing symbols design of the trus bearing some some some some bearing some some some some some bearing some some some some some some bearing some some some some some some some some	t erect truss backwards. g representation does not dep t be braced. are only graphical represent s to support the loads indica wn is for lateral support of ind	ations of a possible bearing condi ted. dividual web members only. Refe	tion. Bearing symbols are not con	sidered in the structu for Handling, Installi	ral ing, UM,	
be attached to wa be attached to wa be Graphical bracing the member mus bearing symbols design of the trus bearing some some some some bearing some some some some some bearing some some some some some some bearing some some some some some some some some	t erect truss backwards. g representation does not dep t be braced. are only graphical represent s to support the loads indica wn is for lateral support of ind	ations of a possible bearing condi ted. dividual web members only. Refe	tion. Bearing symbols are not con	sidered in the structu for Handling, Installi	ral ing, UM,	
be attached to wa be attached to wa be Graphical bracing the member mus bearing symbols design of the trus bearing some some some some bearing some some some some some bearing some some some some some some bearing some some some some some some some some	t erect truss backwards. g representation does not dep t be braced. are only graphical represent s to support the loads indica wn is for lateral support of ind	ations of a possible bearing condi ted. dividual web members only. Refe	tion. Bearing symbols are not con	sidered in the structu for Handling, Installi	ral ing, UM,	Mummun and a second
be attached to wa b) CAUTION, Do no c) Graphical bracing the member mus b) Bearing symbols design of the trus b) Web bracing sho	t erect truss backwards. g representation does not dep t be braced. are only graphical represent s to support the loads indica wn is for lateral support of ind	ations of a possible bearing condi ted. dividual web members only. Refe	tion. Bearing symbols are not con	sidered in the structu for Handling, Installi	ral ing, UM,	Solution and the solution of t
be attached to wa CAUTION, Do no Graphical bracing the member mus Bearing symbols design of the trus	t erect truss backwards. g representation does not dep t be braced. are only graphical represent s to support the loads indica wn is for lateral support of ind	ations of a possible bearing condi ted. dividual web members only. Refe	tion. Bearing symbols are not con to BCSI - Guide to Good Practice racing guidelines, including diagor	sidered in the structu for Handling, Installi	ral ing, UM,	

lob	Truss	Truss Type	Qty	Ply LOT 0.0092 BLAKE F	OND 122 WHIMBREL COURT LILLINGTON, I
24-1221-F01	F111	Floor	1	1	# 46471
			Run: 8.430 s Feb	Job Reference (op 12 2021 Print: 8.430 s Feb 12 2021 ptM17rP24COW/wivdp.DP 455	MiTek Industries, Inc. Sat Mar 16 10:55:28 2024
1-3-0		0-8-8	1-0-8	nuwi //RS4001wujyunDB-4FF	vSzaGn_XJ?01Whlee4XP75t4Bgd4rRVjgt 1-1-12
ſ		r1	· · · · ·		Scale
					Odde
3x6 =	3x4 = 3x8 FP	= 3x4 = 3x6 =	3x4 = 3x6 =	3x4 =	3x4 = 3x6 =
, 1	2 3	4 5	6 7 T	2 8	9 10
		W3			WE WI
					4 13 12
	20 19	18 17			
3x4	3x4 = 3x4	= $3x6 = 3x$	4 = 3x6 =	3x4 = 3	x4 = 3x8 FP = 3x4 = 3x4
			0.40.0	-	7.10
	6-1-0 6-1-0		9-10-8 3-9-8		7-12 9-4
	[21:Edge,0-1-8]				
LOADING (psf) FCLL 40.0	SPACING- Plate Grip DOL	1-7-3 CSI. 1.00 TC 0.36		n (loc) l/defl L/d 3 18-19 >999 480	PLATES GRIP MT20 244/190
TCDL 10.0 BCLL 0.0	Lumber DOL Rep Stress Incr	1.00 BC 0.23 NO WB 0.35		4 18-19 >999 360 1 16 n/a n/a	
BCDL 5.0	Code IRC2021/1				Weight: 95 lb FT = 20%F,
			BRACING-		
TOP CHORD 2x4 BOT CHORD 2x4	SP No.1(flat)		TOP CHORD	end verticals.	directly applied or 6-0-0 oc purlins, e.
	SP No.3(flat)		BOT CHORD	Rigid ceiling directly applie	ed or 6-0-0 oc bracing.
Мах	k Uplift11=-19(LC 3)	0-1-8), 11=201/0-4-8 (min. 0-1	I-8), 16=1159/0-4-8 (min. 0-1	-8)	
Max	k Grav 21=439(LC 3), 11=2	275(LC 4), 16=1159(LC 1)			
		forces 250 (lb) or less except w , 1-2=-464/0, 2-3=-978/0, 3-4=-9		/44 6-7=0/946 7-8=0/568	
8-9	9=-382/230	17-18=0/1041, 15-16=-946/0,			
WEBS 7-	16=-510/0, 7-15=0/591, 8-	15=-544/0, 9-12=-272/84, 10-12			
	17=0/743, 6-16=-950/0				
NOTES- (5-8) 1) Unbalanced floo	r live loads have been cor	nsidered for this design.			
) of truss to bearing plate capat baced at 10-0-0 oc and fastene			ks to
be attached to w		restrained by other means.	,	, 0	
5) Graphical bracin	ig representation does not	depict the size, type or the orie	ntation of the brace on the m	ember. Symbol only indicate	s that
	s are only graphical repres	entations of a possible bearing	condition. Bearing symbols a	re not considered in the stru	ctural
7) Web bracing sho	ss to support the loads inc own is for lateral support o	f individual web members only.	Refer to BCSI - Guide to Goo	od Practice for Handling, Ins	talling,
Restraining & Br 8) SEE BCSI-B3 S	racing of Metal Plate Conn UMMARY SHEET- PERM	ected Wood Trusses for addition	onal bracing guidelines, incluc	ling diagonal bracing. BERS FOR RECOMMEND	D MUMMINIA CAR
	CING REQUIREMENTS O	ected Wood Trusses for additic ANENT RESTRAING/BRACING F TOP CHORD, BOTTOM CHO PROJECT ARCHITECT OR EN	ORD, AND WEB PLANES. IN	ADDITION TO THESE MIN	IIMUM SEESSI
		INOJECT ANOTHEOT ON EN	GINEERTORADDITIONAL		IIMUM SOFESSION ANTI
					SEAL E
LOAD CASE(S) St 1) Dead + Floor Liv	andard /e (balanced): Lumber Inci	ease=1.00, Plate Increase=1.0	0		
LOAD CASE(S) Sta 1) Dead + Floor Liv Uniform Loads ()	andard /e (balanced): Lumber Inci plf)	ease=1.00, Plate Increase=1.0	0		28147
LOAD CASE(S) St 1) Dead + Floor Liv Uniform Loads () Vert: 11- Concentrated Lo	andard /e (balanced): Lumber Inci plf) ·21=-8, 1-10=-80 bads (lb)	rease=1.00, Plate Increase=1.0	0		28147
LOAD CASE(S) St 1) Dead + Floor Liv Uniform Loads (j Vert: 11-	andard /e (balanced): Lumber Inci plf) ·21=-8, 1-10=-80 bads (lb)	rease=1.00, Plate Increase=1.0	0		SEAL 28147
LOAD CASE(S) St 1) Dead + Floor Liv Uniform Loads () Vert: 11- Concentrated Lo	andard /e (balanced): Lumber Inci plf) ·21=-8, 1-10=-80 bads (lb)	rease=1.00, Plate Increase=1.0	0		SEAL 28147 3/13/2024

Job	Truss	Truss Type	Qty	Ply LC	DT 0.0092 BLAKE PC	ND 122 WHIMBREL CC	URT LILLINGTON, NC
24-1221-F01	F112	Floor	11	1	b Reference (option	onal)	# 46471
			Run: 8.430 s Fe ID:72?9	b 12 2021 Print: 8. YjJntM17rR34O	430 s Feb 12 2021 M OlWujydnDB-YRp	liTek Industries, Inc. Sat I HgJbuYHfAcAciFT9tdl	Mar 16 10:55:29 2024 Page xIqHJ?P3j?g9TEPLzaOe
1.2.0		1 1 1 2		2.0.0			0-1-8
1-3-0		<u> 1-1-12</u> <mark>0-9-0</mark>		2-0-0	———————————————————————————————————————		<u>0-10-10</u> Scale = 1:36
3x6 =	3x4 3x4 =	— 3x8 FP= 3x6 = 3x4 =	3x4 =	3x4 =	3x4 =	3x4 =	1.5x3 3x4 = 1.5x3 =
1	² ₁ 3	4 5 6	7	8 72	9	10	11 12
1-2-0		W3 W4					
				0	B2 6		
25 24	23	22 21 2	0 19 18	17	16 15	14	
3x4 3x4 =	= 3x4 =	3x4 = 3x6 = 3x	4 = 3x8 FP = 3x4 =	1.5x3	1.5x3 3x4	= 3x4 =	6x6
L	7-9-4		13-9-4	14-9-4 15	5-9-4	22-0-6	
Plate Offsets (X,Y)	7-9-4 [8:0-1-8,Edge], [9:0-1-8,E	dge], [25:Edge,0-1-8]	6-0-0	' 1-0-0 ' 1·	-0-0	6-3-2	
OADING (psf)		1-7-3 CSI .	DEFL.	in (loc) l/d		PLATES	GRIP
TCLL 40.0 TCDL 10.0	Plate Grip DOL Lumber DOL	1.00 TC 0.36 1.00 BC 0.64		.11 15-16 >99 .15 15-16 >99		MT20	244/190
BCLL 0.0 BCDL 5.0	Rep Stress Incr Code IRC2021/TP	YES WB 0.39 2014 Matrix-SH	Horz(CT) 0	.02 13 n	/a n/a	Weight: 112 II	o FT = 20%F, 11%E
LUMBER-			BRACING-				
TOP CHORD 2x4 SI BOT CHORD 2x4 SI	P No.1(flat)		TOP CHORD	end vertica	lls.		0-0 oc purlins, except
	P No.3(flat)		BOT CHORD	0	g directly applied	l or 6-0-0 oc bracing	
Max l	Jplift25=-49(LC 4)	-1-8), 21=1198/0-4-8 (min. 0-1-8), 13=532/0-5-6 (min. ()-1-8)			
	Grav 25=278(LC 3), 21=11						
TOP CHORD 1-25	=-273/52, 2-3=-387/350, 3	ces 250 (lb) or less except when -4=0/765, 4-5=0/765, 5-6=0/1134					
	-1568/0, 9-10=-1505/0, 10 4=-193/457, 22-23=-534/2	-11=-946/0 92, 21-22=-1134/0, 20-21=-657/0	0, 19-20=0/775, 18-19=	0/775,			
		15-16=0/1568, 14-15=0/1367, 1 -24=-270/133, 2-23=-250/0, 3-23					
	=0/610, 8-18=-570/0, 7-18 4=-549/0, 11-14=0/573, 11	=0/491, 7-20=-788/0, 6-20=0/824 -13=-725/0	4, 6-21=-888/0,				
NOTES- (5-8)							
	ive loads have been consi al connection (by others) o	dered for this design. f truss to bearing plate capable o	of withstanding 49 lb up	ift at ioint 25.			
3) Recommend 2x6 s		ced at 10-0-0 oc and fastened to			ails. Strongback	s to	
4) CAUTION, Do not	erect truss backwards.	epict the size, type or the orienta	tion of the brace on the	member. Svmb	ol only indicates	that	
the member must	be braced.	tations of a possible bearing con		-			
design of the truss	to support the loads indic	ated. ndividual web members only. Re ted Wood Trusses for additional IENT RESTRAING/BRACING O FOP CHORD, BOTTOM CHORE	fer to BCSI - Guide to C	ood Practice fo	or Handling Insta	Illing Multimining	Itter
Restraining & Brad	ing of Metal Plate Connec	ted Wood Trusses for additional	bracing guidelines, incl	uding diagonal	bracing.	NUM QHOFESSI	LIN HILL
	NG REQUIREMENTS OF	TOP CHORD, BOTTOM CHORE OJECT ARCHITECT OR ENGIN), AND WEB PLANES.			MUM QR-	ALR IN
LOAD CASE(S) Star		SUCCE ANOTHER OF ENGIN				SEAL 28147	
LOAD OADL(D) Star	uaiu						
						A SNOINEE	A IS INT
						MARK K. M	8.000 2024
						3/13/2	2024
Warning !—Verify d	esign parameters and read n	otes before use. This design is based	only upon parameters show	n, and is for an ind			