# Mark Morris, P.E.

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

AST #: 46472 JOB: 24-1221-F02 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. 24 Truss Design(s)

Trusses:

F201, F202, F203, F204, F205, F206, F207, F208, F209, F210, F211, F212, F213, F213A, F214, F215, F216, F217, F218, F219, F219A, F220, F221, F222



# 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* 

Job	Truss	Truss Type	Qty	Ply LOT 0.009	92 BLAKE POND   122 WH	IMBREL COURT LILLINGTON, NC
24-1221-F02	F201	Floor Supported Gable	1	1 Job Refe	erence (optional)	# 46472
			Run: 8.430 s Feb 1 ID QehNxy 7fi	2 2021 Print: 8.430 s F YuTn3RO4nlal IveN	eb 12 2021 MiTek Industrie	s, Inc. Sat Mar 16 10:56:00 2024 Page 1 gZTD8NHjgfn2CAA1ZoTUN_2zaOdz
0-1-8			ib.gonitxy_n			
- H -						
						Scale: 3/8"=1'
1.5x3	1.5x3    1.5x3					1.5x3
1.5x3 = 1.5x3		1.5x3    1.5x3    1.5x3		.5x3    1.5x3	1.5x3    1.5x3	
1 2	T1 3 4 5	6 7 8	9 10 T2	11 12	13 14	15 16 17
	STT1 STT1	ST1 ST1 ST1	ST1 W2 ST1	ST1 ST1	ST1 ST1	
34 33	32 31	30 29 28	27 26	25 24 2	23 22 21	20 19 18
3x4    1.5x3		1.5x3    1.5x3    1.5x3			3 FP= 1.5x3	
				1.5x3	1.5x3	1.5x3

L			19-5-12				
Plate Offsets (X Y)	[10:0-1-8,Edge], [27:0-1-8,Edge], [34:	Edge 0-1-8]	19-5-12				
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. i	n (loc) l/defl L/d	PLATES GRIP		
TCLL 40.0	Plate Grip DOL 1.00	TC 0.06	Vert(LL) n/a		MT20 244/190		
TCDL 10.0	Lumber DOL 1.00	BC 0.01	Vert(CT) n/a	a - n/a 999			
BCLL 0.0	Rep Stress Incr YES	WB 0.03	Horz(CT) 0.0				
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH	()		Weight: 84 lb FT = 20%F, 11%E		
LUMBER-	1		BRACING-	1			
TOP CHORD 2x4 SI BOT CHORD 2x4 SI			TOP CHORD	Structural wood sheathing d end verticals.	lirectly applied or 6-0-0 oc purlins, except		
	P No.3(flat)		BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.			

10-5-12

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

**REACTIONS.** All bearings 19-5-12.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 34, 18, 33, 32, 31, 30, 29, 28, 27, 26, 25, 24, 22, 21, 20, 19

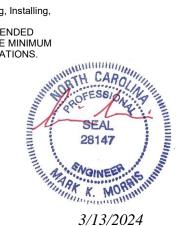
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

**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.
- 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
- 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 24-1221-F02		Truss Type Floor	Qty 4	Ply LOT 0.0092 BLAKE P 1 Job Reference (opt	OND   122 WHIMBREL COURT LILLINGTON, NC
0-1-8 H├─ <del>1-2-15</del>	· · · · · · · · · · · · · · · · · · ·		Run: 8.430 s Feb ID:QehNxy_7  2-0-0	12 2021 Print: 8.430 s Feb 12 2021	MITek Industries, Inc. Sat Mar 16 10:56:01 2024 Page F_z07hdS42s7BkNwVGhvBCrvUli17DwXVzaO 0-5-15 Scale = 1:32.
4x4 = $1.5x3 =$ $1$ $24$ $3x4   $ $4x6$	2 T1 3 2 T1 3 2 T1 2 2 T1 3 2 T1 20	= 3x8 FP= 3x4 = 4 5 $= 4 5$ $= 9$ $= 19$ $= 19$ $= 3x4 = 3x$	3x4 = 6 8 17 x4 = 1.5x3	3x4 = 3x4 7 7 7 7 7 7 8 7 7 8 7 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 16 15 14 $1.5x3 \parallel 3x8$ MT20H 3x4 =	9 W3 P B2 V1 13 12 1
	<u> </u>		0-1-8 1-0-0 1	-5-15   -0-0	<u>19-5-14</u> 6-11-15
Plate Offsets (X,Y)LOADING (psf)TCLL40.0TCDL10.0BCLL0.0BCDL5.0	[1:Edge,0-1-8], [6:0-1-8,Edge], [ SPACING- 1-7-3 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	7:0-1-8,Edge], [10:0-1-8,Edge CSI. TC 0.67 BC 0.81 WB 0.58 Matrix-SH	<b>DEFL.</b> ir Vert(LL) -0.37	n (loc) l/defl L/d 7 17-18 >625 480 1 17-18 >454 360 7 11 n/a n/a	PLATES         GRIP           MT20         244/190           MT20HS         187/143           Weight:         97 lb         FT = 20%F, 11%E
			BRACING- TOP CHORD BOT CHORD	Structural wood sheathing end verticals. Rigid ceiling directly applie	directly applied or 5-6-9 oc purlins, except
<b>REACTIONS.</b> (lb/size	e) 23=844/0-3-6 (min. 0-1-8),	11=849/0-3-8 (min. 0-1-8)			
TOP CHORD 23-24 6-7= BOT CHORD 21-22 13-14 WEBS 6-17=	Comp./Max. Ten All forces 2 =-839/0, 1-24=-838/0, 10-11=-8 3777/0, 7-8=-3190/0, 8-9=-2069 =0/1886, 20-21=0/3109, 19-20= =0/2732, 12-13=0/1366 -277/56, 7-16=-30/302, 6-18=-2 -1155/0, 1-22=0/1213, 7-15=-8	,43)0, 1-2=-999/0, 2-3=-2492/ //0, 9-10=-423/0 =0/3109, 18-19=0/3822, 17-18 ?81/354, 5-18=-74/261, 5-19=-	0, 3-4=-3475/0, 4-5=-3 3=0/3777, 16-17=0/377 -452/0, 3-19=0/468, 3-2	7, 15-16=0/3777, 14-15=0/2 21=-787/0, 2-21=0/790,	732,
<ul> <li>2) All plates are MT20</li> <li>3) Recommend 2x6 st be attached to walls</li> <li>4) CAUTION, Do not e</li> <li>5) Graphical bracing n the member must b</li> <li>6) Bearing symbols ar design of the truss i</li> <li>7) Web bracing shown Restraining &amp; Braci</li> <li>8) SEE BCSI-B3 SUM</li> </ul>	epresentation does not depict the braced. e only graphical representations to support the loads indicated. n is for lateral support of individu ng of Metal Plate Connected W MARY SHEET- PERMANENT	ed. 10-0-0 oc and fastened to ea d by other means. he size, type or the orientation s of a possible bearing conditi- ual web members only. Refer to ood Trusses for additional bra RESTRAING/BRACING OF C	of the brace on the mo on. Bearing symbols a to BCSI - Guide to Goc acing guidelines, includ HORDS & WEB MEM	ember. Symbol only indicates re not considered in the struc od Practice for Handling, Inst ling diagonal bracing. BERS FOR RECOMMENDE	s that ctural alling,

3/13/2024

$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Job	Truss	Truss Type		Qty	Ply LOT 0	.0092 BLAKE POND   122 WHIMBF	REL COURT LILLINGTON, NC
Pure 8.430 s Feb 12 2021 Mirek E430 s Feb 12 2021 Mirek Industries, Inc. Sat Mar 16 105.602 2024 Fage 1 ID. QehNky_7(IYU Th3RO4nigUyeN8v-4olibb?bnQpU4Ed2huFcSipsba7zeyBsGnzU3xza0dx) 0-1.8 H = 12-15 4x4 = 3x8 = 1.5x3 = 3x4 = 4x4 = 3x4    1.5x3 = 3x4 = 15x3    1.5x3    3x4 = 3x4 = 1.5x3    1.5x3    1.5x3    1.5x3    3x4 = 3x4	24-1221-F02	F203	Floor		2		Reference (optional)	# 46472
0-1.8 H = 1.2.15 4x4 = 3x8 = 1.5x3 = 3x4 = 3		I		F	Run: 8.430 s Feb 12 ID:QehNxv	2 2021 Print: 8.430 7fiYuTn3RO4nle	s Feb 12 2021 MiTek Industries, Industries	z. Sat Mar 16 10:56:02 2024 Page 1 uFcSipsbaYzevBsGnzU3xzaOdx
4x4 = 3x8 = 1.5x3 = 3x4 = 1.5x3 = 1.5x3 = 1.5x3 = 1.5x3 = 3x4 =	0-1-8							
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	H <b>⊢ 1-2-1</b> 5	;			2-0-	0		1-3-15 Scale = 1:31.6
1.5x3 = 3x4 = 15x3 = 3x4 = 3								- 1.01.0
1.5x3 = 3x4 = 15x3 = 3x4 = 3								
1.5x3 = 3x4 = 15x3 = 3x4 = 3								
$1 + \frac{2}{10} + \frac{104.7}{104.7} + \frac{10.47}{104.7} + \frac{10.47}{104.7} + \frac{10.47}{104.7} + \frac{11.5.15}{104.7} + \frac{12.5.15}{104.7} + \frac{12.5.15}{104.7}$								
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1.5x3 =							
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1 1 <del>8 1</del>		3 4		<b>—</b> •	,T2		
$\begin{bmatrix} 10 & 10 & 10 & 10 & 10 & 10 & 10 & 10 $	923							
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		$\swarrow$		B1				B2
3x4    4x6 = 3x4 = 1.5x3    3x4 = 3x4 = 1.5x3    1.5x3    3x8 MT20HS FP=4x4 = 3x6 = 3x4					0	P		
$3x4 = \frac{10.4-7}{10.4-7} \frac{10.5-15}{10.5-15} \frac{19-2-6}{1-0}$	22	21 20	19 18	17	16	15	14 13 12	11
11-5-15 10-4-7 10-5-15 19-2-6 10-4-7 0-1-8 1-0-0 1-0-0 6-8-7	3x4	4x6 = 3x4	i = 1.5x3    3x4 =	3x4 =	1.5x3	1.5x3	3x8 MT20HS FP=4x4 =	= 3x6 =
10-4-7         10-5-15         19-2-6           10-4-7         0-1-8<1-0							3x4 =	
10-4-7         10-5-15         19-2-6           10-4-7         0-1-8<1-0								
10-4-7         10-5-15         19-2-6           10-4-7         0-1-8<1-0								
10-4-7         10-5-15         19-2-6           10-4-7         0-1-8<1-0								
10-4-7         10-5-15         19-2-6           10-4-7         0-1-8<1-0					11 5 15			
	<b> </b>		10-4-7		10-5-15			
	Plate Offsets (X,Y	) [1:Edge,0-1-8], [6:0-1		2:Edge,0-1-8]	0-1-8 1-0-0 '	1-0-0	6-8-7	·

DEEL

Vert(LL)

Vert(CT)

Horz(CT)

in (loc)

11

-0.36 16-17

-0.49 16-17

0.06

l/defl

>636

>463

n/a

I/d

480

360

n/a

LUMBER-			BRACING-		
TOP CHORE	2x4 SP No.1(flat)		TOP CHORD	Structural wood sheathing of	directly applied or 5-7-6 oc purlins, except
BOT CHORD	) 2x4 SP SS(flat) <sup>*</sup> Except*			end verticals.	
	B2: 2x4 SP No.1(flat)		BOT CHORD	Rigid ceiling directly applied	d or 10-0-0 oc bracing.
WEBS	2x4 SP No.3(flat)			5 5 7 11	5
	- ( )				
DEACTIONS	(IIb /ai=a) 00-000/0 0 0 (min 0 1 0) 11-	000/Mashaniaal			

0.67

0.82

0.57

REACTIONS. (lb/size) 22=828/0-3-6 (min. 0-1-8), 11=833/Mechanical

SPACING-

Plate Grip DOL

Rep Stress Incr

Code IRC2021/TPI2014

Lumber DOL

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

1\_7\_3

1.00

1.00

YES

TOP CHORD 22-23=-824/0, 1-23=-823/0, 1-2=-979/0, 2-3=-2435/0, 3-4=-3379/0, 4-5=-3379/0, 5-6=-3736/0, 6-7=-3607/0, 7-8=-2987/0, 8-9=-1826/0 BOT CHORD 20-21=0/1847, 19-20=0/3031, 18-19=0/3031, 17-18=0/3709, 16-17=0/3607, 15-16=0/3607, 14-15=0/3607, 13-14=0/2508,

12-13=0/2508 11-12=0/1101 WEBS 6-16=-288/41, 7-15=-15/313, 6-17=-245/380, 5-18=-430/0, 3-18=0/443, 3-20=-762/0, 2-20=0/765, 2-21=-1130/0.

CSL

тс

BC

WB

Matrix-SH

1-21=0/1188, 7-14=-893/0, 8-14=0/639, 8-12=-888/0, 9-12=0/943, 9-11=-1355/0

NOTES-(6-9)

LOADING (psf)

40.0

10.0

0.0

5.0

TCLL

TCDL

BCLL

BCDL

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

2) All plates are MT20 plates unless otherwise indicated.

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

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

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

LOAD CASE(S) Standard

SEAL 28147 BOREER SEAL 28147 BOREER MORREER MO ahunnun hitti

PLATES

MT20HS

Weight: 96 lb

MT20

GRIP

244/190

187/143

FT = 20%F, 11%E

Job	Truss	Truss Type	Qty	Ply LC	T 0.0092 BLAKE P	OND   122 WHIMBREL CO	OURT LILLINGTON, NC
24-1221-F02	F204	FLOOR GIRDER	1		b Reference (opt		# 46472
							Mar 16 10:56:04 2024 Page 1 7uH6ODt6r39j5Sa7pzaOdv
0-1-8 ∦⊨ <mark>1-2-15</mark> ⊣		H	2-0-0			0[4]3	<mark>1-0-12</mark>   Scale = 1:39.1
1.5x3 = 5x6    1 29 28 3x6    6x8 =	6x6 = 3x6    3x	3x8 FP= 4x6    3x6    4 5 6 3x6    4 5 2 8D2 25 24 23 22 8MT20HS FP= 4x6    3x6    x6	3x6    7 21 20 3x6    3x6	8 9 B3 19 3x8 MT20H		THA422 6x8 = 11 7 7 17 16 15 3x6    6x10 = 3x6	$ \begin{array}{c} 6x10 = 3x6 \parallel \\ 12 & 13 \\ \hline & & & & \\ 14 \\ 6x6 = \end{array} $
Plate Offsets (X,Y) [7	10-5-15 10-5-15 1:0-1-8,0-0-8], [21:0-3-0,0-0-0]		5-15,12-5-15, -0 1-0-0	<u>19-4-</u> 6-10-		23-3 	
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 1-4-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr NO Code IRC2021/TPI2014	<b>CSI.</b> TC 0.35 BC 0.86 WB 0.60 Matrix-SH	<b>DEFL.</b> in Vert(LL) -0.47 Vert(CT) -0.65 Horz(CT) 0.08	21 >42	85 480 23 360	PLATES MT20 MT20HS Weight: 182 I	<b>GRIP</b> 244/190 187/143 b FT = 20%F, 11%E
			BRACING- TOP CHORD BOT CHORD	end vertica	s.	directly applied or 6- d or 10-0-0 oc bracir	0-0 oc purlins, except ng.
REACTIONS. (Ib/size)	29=966/0-3-6 (min. 0-1-8),	14=1465/0-3-8 (min. 0-1-8)					
TOP CHORD 1-29=- 6-7=-6 BOT CHORD 27-28 21-22= 15-16= WEBS 6-22=( 5-23=(	952/0, 1-2=-1323/0, 2-3=-341 698/0, 7-8=-6799/0, 8-9=-645, 60/2493, 26-27=0/4355, 25-26 60/6698, 20-21=0/6698, 19-20 60/5360, 14-15=0/1851 0/302, 7-21=-285/6, 11-15=-21 0/689, 5-25=-787/0, 3-25=0/86	50 (Ib) or less except when sho 7/0, 3-4=-5062/0, 4-5=-5062/0, 2/0, 9-10=-6452/0, 10-11=-562 =0/4355, 24-25=0/5696, 23-24 =0/6770, 18-19=0/6770, 17-18 58/0, 12-15=0/2142, 12-14=-2 1, 3-27=-1144/0, 2-27=0/1146, 394/0, 10-18=0/403, 10-17=-6	5-6=-6141/0, 0/0, 11-12=-3578/0 =0/5696, 22-23=0/6698 =0/6127, 16-17=0/5356 338/0, 6-23=-957/0, , 2-28=-1452/0,	,			
<ol> <li>All plates are MT20</li> <li>Required 2x6 strong attached to walls at</li> <li>CAUTION, Do not et</li> <li>Use Simpson Strong 2x4 SP) to front face</li> <li>Fill all nail holes whe</li> <li>In the LOAD CASE</li> <li>Graphical bracing re the member must be</li> <li>Bearing symbols are design of the truss to</li> <li>Web bracing show Installing, Restraint</li> <li>SE BCSI-B3 SUM MINIMUM BRACIN</li> </ol>	their outer ends or restrained l rect truss backwards. 9-Tie THA422 (6-16d Girder, 6 of top chord. rere hanger is in contact with lu S) section, loads applied to the presentation does not depict t b braced. only graphical representation o support the loads indicated. n is for lateral support of indiving & Bracing of Metal Plate C IMARY SHEET- PERMANEN G REQUIREMENTS OF TOP INES, ALWAYS CONSULT TH S.	ted. -0-0 oc and fastened to each t by other means. -10d Truss) or equivalent at 19	9-4-2 from the left end t is front (F) or back (B). of the brace on the me on. Bearing symbols ar to BCSI - Guide to Go Iditional bracing guidel CHORDS & WEB MEM AND WEB PLANES. If	o connect tru mber. Symb e not consid- od Practice f nes, includir IBERS FOR V ADDITION	ol only indicates ered in the strue or Handling, ng diagonal bra RECOMMEND TO THESE	ply s that mutuli CA	00000000000000000000000000000000000000
						3/13/	2024
						J/1J/2	2027

Job	Truss	Truss Type	Qty	Ply	LOT 0.0092 BLAKE POND   122 WHIMBREL COURT LILLINGTON, NC
24-1221-F02	F204	FLOOR GIRDER	1	1	Job Reference (optional) # 46472
					t: 8.430 s Feb 12 2021 MiTek Industries, Inc. Sat Mar 16 10:56:05 2024 Page 2 CO4nlgUyeN8v-UN_uDd1T3LC3xiMdM1pJ4KRSsoZ6rlJIylB8gGzaOdu

## LOAD CASE(S) Standard

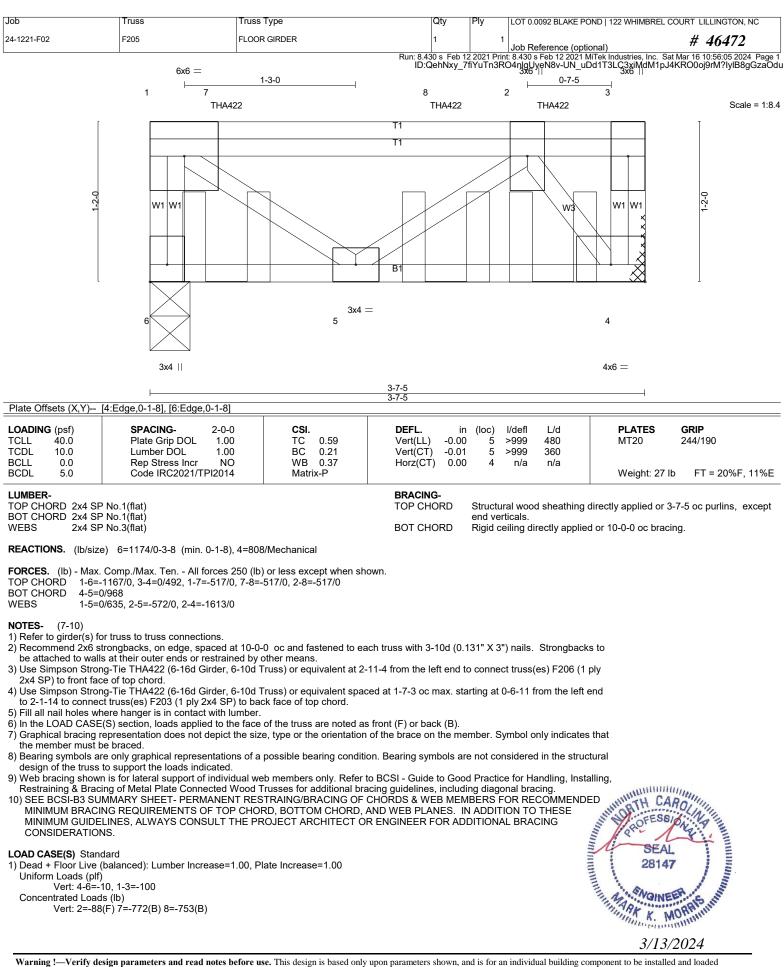
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf)

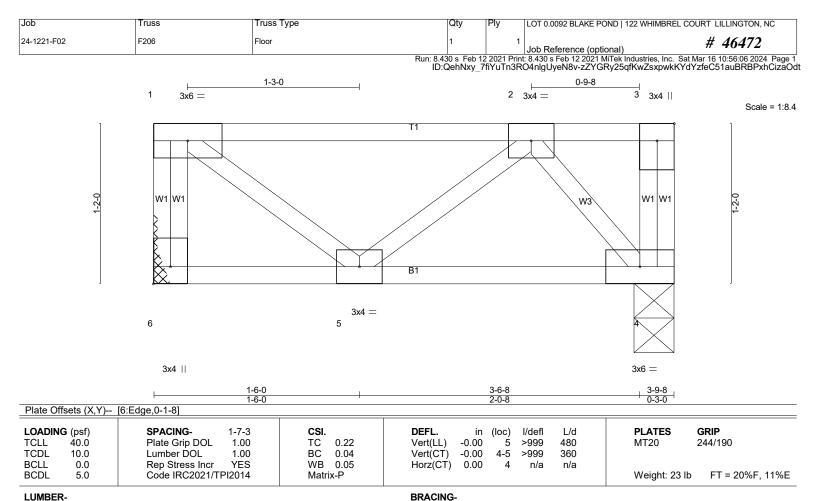
Vert: 14-29=-7, 1-13=-67

Concentrated Loads (lb)

Vert: 11=-742(F)







#### LUMBER-

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

Structural wood sheathing directly applied or 3-9-8 oc purlins, except end verticals

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

REACTIONS. (lb/size) 6=156/Mechanical, 4=156/0-3-8 (min. 0-1-8)

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

NOTES-(3-6)

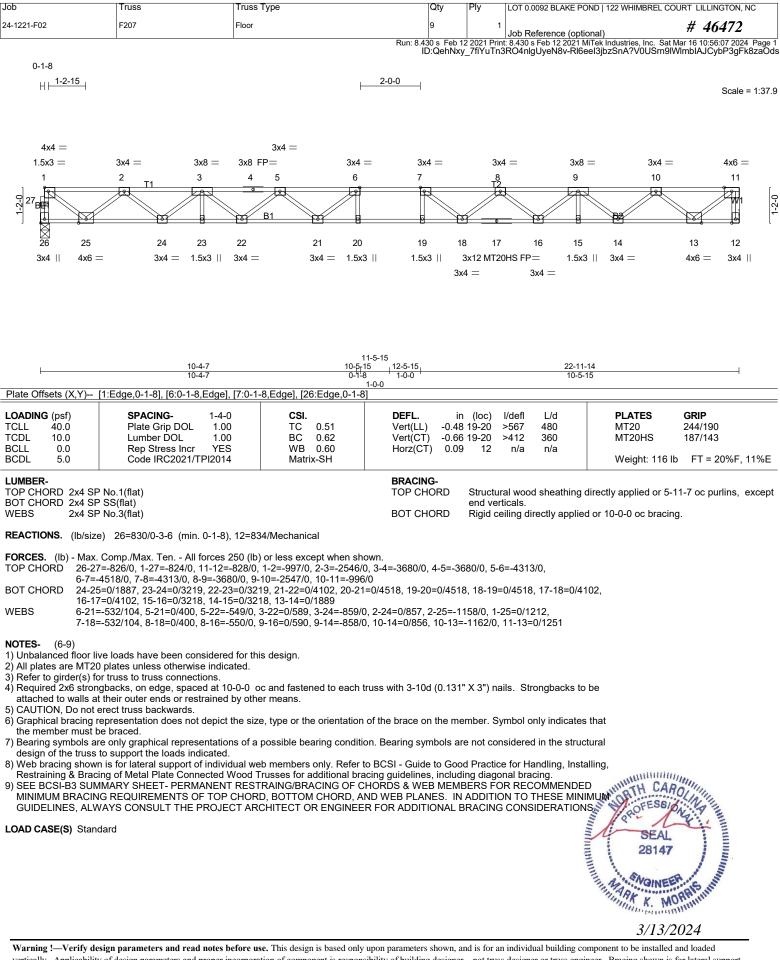
- 1) Refer to girder(s) for truss to truss connections.
- 2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means

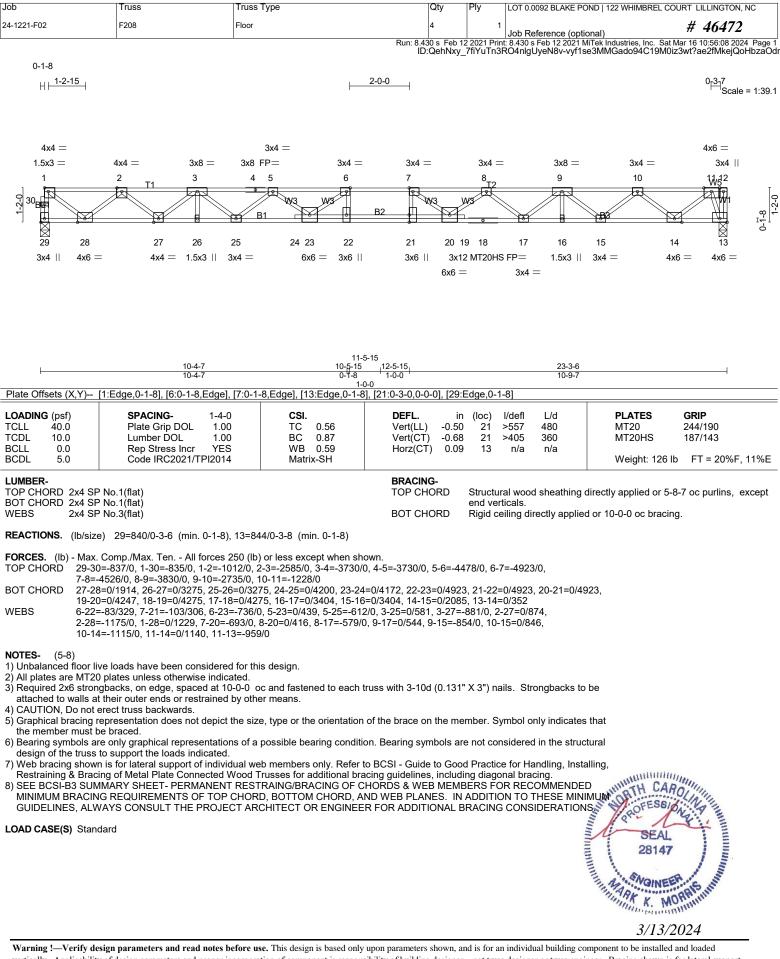
TOP CHORD

- 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





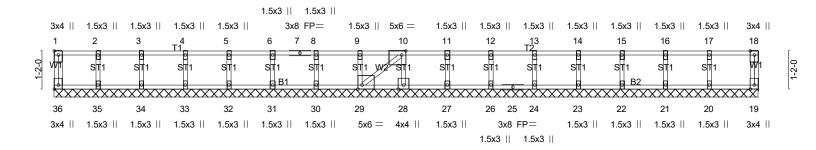


vertically. Applicability of design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be instanted and toaded vertically. Applicability of design parameters and read notes before use. This design is obased only upon parameters shown, and is for an individual building component to be instanted and toaded of individual web members only. Additional temporary bracing to ensure stability dring 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 0.0092 BLAKE POND   122 WHIMBRI	EL COURT LILLINGTON, NC
24-1221-F02	F209	FLOOR SUPPORTED GABL	1	1	Job Reference (optional)	# 46472
	÷	Run: 8.4	30 s Feb 1	2 2021 Print	r 8 430 s Feb 12 2021 MiTek Industries Inc.	Sat Mar 16 10:56:11 2024 Page 1

: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Sat Mar 16 10:56:11 2024 Page 1 ID:QehNxy\_7fiYuTn3RO4nlgUyeN8v-JXL9Ug6EfByCfdpnjHwjKbhWxDn5Fw9AKheStvzaOdo

Scale = 1:35.2



Place Offsets (XY)- (1'Edge 0-1-8], [10:0-1-8, Edge], [36:Edge.0-1-8]         LOADNG (pg)       SPACING- 2-0-0       CSI.       Def (1)       in (loc)   local       Lid       PLATES       RRP         TCLL 4:00       Place offsets (XY)- (1'Edge 0-1-8], [10:0-1-8, Edge], [36:Edge.0-1-8]       Vert(L) in (loc)   local       Lid       PLATES       RRP         TCLL 4:00       Rise Since X       No       WB 0:97       Vert(L) in (loc)   local       Lid       Vert(L) in (loc)   local       PLATES       RRP         BCOL 5:0       Code IRC2021/TPI2014       WB 0:97       Matrix-SH       DF       No       WB 0:97       Weight: 52 lb       FT = 20%F, 11%E         UMBER       Code IRC2021/TPI2014       WB 0:97       Matrix-SH       BACING.       TOP CHORD 2:4 SF No (flat)       Weight: 52 lb       FT = 20%F, 11%E         UMBER       Code IRC2021/TPI2014       BD       DF CHORD       Structurel wood sheathing directly applied or 6-0-0 cc bracing.         OTHERS       2:4 SF No.3(lta)       BOT CHORD       Structurel wood sheathing directly applied or 6-0-0 cc bracing.         FRACTNOS       All hoatings 11:40       D crease 32 [bi10] crease scoept when shown.       Rigid calling directly applied or 6-0-0 cc bracing.         TOP CHORD       2:3:=-24/254.3: 3:4:=-38/308.4: 4:5:=23/25/21.3: 1:5:=-68/4064, 3:0:3:=787787.8.       Code 4:5:5:=6:-1:1:1:1::	21-6-0
TCLL       40.0       Plate Grip DOL       1.00       TC       0.18       Vert(L)       n/a       999       MT20       244/190         TCDL       0.0       Lumber DOL       1.00       BC 0.18       Vert(CT)       0.01       29       n/a       999         BCLL       0.0       Rep Stress Incr       NO       WB 0.97       Matrix-SH       Vert(CT)       0.01       29       n/a       999         LUMBER-       Code IRC2021/TPI2014       Matrix-SH       BRACING-       TOP CHORD 2x4 SP No.1(flat)       Weight: 92 lb       FT = 20%F, 11%E         BCLL       Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.       BOT CHORD 2x4 SP No.3(flat)       TOP CHORD       Structural wood sheathing directly applied or 6-0-0 oc bracing.         WEBS       2x4 SP No.3(flat)       DOT CHORD       Rigid ceiling directly applied or 6-0-0 oc bracing.       Weight: 92 lb       FT = 20%F, 11%E         REACTIONS.       All bearings 21-6.0.       (lb) - Max Upilt 100 lb or less at joint(s) (s except 29=-1619(LC 6), 28=-1614(LC 7)       Matrix-SH       BOT CHORD       Rigid ceiling directly applied or 6-0-0 oc bracing.         FORCES.       (lb) - Max Comp./Max. Ten All forces 250 (lb) or less except when shown.       TOC CHORD       2-3=-264/254, 34-3-3808/380, 4-5=-521/521, 5-5-6-64/654, 6-7-7-29/667, 7-8=-788/780, 8-8-9-921/909, 9-10	
TOP CHORD 2x4 SP No.1(flat)       TOP CHORD       Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.         WEBS       2x4 SP No.3(flat)       BOT CHORD       Rigid ceiling directly applied or 6-0-0 oc bracing.         OTHERS       2x4 SP No.3(flat)       BOT CHORD       Rigid ceiling directly applied or 6-0-0 oc bracing.         REACTIONS.       All bearings 21-6-0.       (b) - Max Upift 100 lb or less at joint(s) except 29=-1619(LC 6), 28=-1614(LC 7)       Rigid ceiling directly applied or 6-0-0 oc bracing.         WEBS       (b) - Max Comp./Max. Ten All forces 250 (b) or less except when shown.       TOP CHORD       2-3-254/254, 3-4-388/388, 4-5-521/521, 5-6-54/654, 6-7729/667, 7-8788/788, 8-9-921/908, 9-10=-1054/1054, 10-11=-1071/1071, 11-12=-204/398, 12-13=-804/804, 13-14=-671/671, 14-15=-538/538, 15-6=-404/404, 16-17=-271/271         BOT CHORD       34-35-254/254, 3-43-387/388, 15-6=-404/404, 16-77=-271/271       34-35-254/254, 3-34-387/388, 12-52=-804/804, 24-25-7-38/738, 73-23-3=-538/538, 21-52=-404/404, 20-21=-271/271         BOT CHORD       34-35-254/254, 3-43-387/388, 15-6=-404/404, 16-77=-271/271       WEBS       10-28=-1670/1628, 10-29=-2697/2697         NOTES-       (8-11)       1) Unbalanced floor live loads have been considered for this design.       2) Gable enquires continuous bottom chord bearing.       3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).       4) Gable stude spaced at 14-0 oc.       4) Gable stude spaced at 14-0 oc.       5) Provide mechan	TCLL         40.0         Plate Grip DOL         1.00         TC         0.18         Vert(LL)         n/a         -         n/a         999         MT20         244/190           TCDL         10.0         Lumber DOL         1.00         BC         0.18         Vert(CT)         n/a         -         n/a         999         MT20         244/190           BCLL         0.0         Rep Stress Incr         NO         WB         0.97         Horz(CT)         0.01         29         n/a         n/a
<ul> <li>(lb) - Max Uplift All uplift 100 lb or less at joint(s) except 29=-1619(LC 6), 28=-1614(LC 7) Max Grav All reactions 250 lb or less at joint(s) 36, 19, 35, 34, 33, 32, 31, 30, 27, 26, 24, 23, 22, 21, 20 except 29=1688(LC 5), 28=1684(LC 4)</li> <li>FORCES. (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown.</li> <li>TOP CHORD 2-3=-254/254, 34=-388/388, 4-5=-521/521, 5-6=-654/654, 6-7=-729/667, 7-8=-788/788, 8-9=-921/908, 9-10=-1054/1054, 10-11=-1071/1071, 11-12=-924/938, 12-13=-804/804, 13-14=-671/671, 14-15=-538/538, 15-16=-404/404, 16-17=-271/271</li> <li>BOT CHORD 34-35=-254/254, 33-34=-387/387, 32-33=-521/521, 31-32=-654/654, 30-31=-787/787, 29-30=-921/921, 28-29=-1204/1204, 27-28=-1071/1071, 26-27=-938/938, 25-26=-804/804, 24-25=-738/738, 23-24=-671/671, 22-23=-538/538, 21-22=-404/404, 20-21=-271/271</li> <li>WEBS 10-28=-1670/1628, 10-29=-2697/2697</li> <li>NOTES- (8-11)</li> <li>1) Unbalanced floor live loads have been considered for this design.</li> <li>2) Gable requires continuous bottom chord bearing.</li> <li>3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).</li> <li>4) Gable studs spaced at 1-4-0 oc.</li> <li>5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1619 lb uplift at joint 29 and 1614 lb uplift at joint 28.</li> <li>6) This truss has been designed for a total drag load of 100 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag</li> </ul>	TOP CHORD 2x4 SP No.1(flat)       TOP CHORD       Structural wood sheathing directly applied or 6-0-0 oc purlins, exceeded on the sector of the secto
<ul> <li>TOP CHORD 2-3=-254/254, 3-4=-388/388, 4-5=-521/521, 5-6=-654/654, 6-7=-729/667, 7-8=-788/788, 8-9=-921/908, 9-10=-1054/1054, 10-11=-1071/1071, 11-12=-924/938, 12-13=-804/804, 13-14=-671/671, 14-15=-538/538, 15-16=-404/404, 16-17=-271/271</li> <li>BOT CHORD 34-35=-254/254, 33-34=-387/387, 32-33=-521/521, 31-32=-654/654, 30-31=-787/787, 29-30=-921/921, 28-29=-1204/1204, 27-28=-1071/1071, 26-27=-938/938, 25-26=-804/804, 24-25=-738/738, 23-24=-671/671, 22-23=-538/538, 21-22=-404/404, 20-21=-271/271</li> <li>WEBS 10-28=-1670/1628, 10-29=-2697/2697</li> <li>NOTES- (8-11)</li> <li>1) Unbalanced floor live loads have been considered for this design.</li> <li>2) Gable requires continuous bottom chord bearing.</li> <li>3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).</li> <li>4) Gable studs spaced at 1-4-0 oc.</li> <li>5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1619 lb uplift at joint 29 and 1614 lb uplift at joint 28.</li> <li>6) This truss has been designed for a total drag load of 100 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag</li> </ul>	(lb) - Max Uplift All uplift 100 lb or less at joint(s) except 29=-1619(LC 6), 28=-1614(LC 7) Max Grav All reactions 250 lb or less at joint(s) 36, 19, 35, 34, 33, 32, 31, 30, 27, 26, 24, 23, 22, 21, 20
<ol> <li>Unbalanced floor live loads have been considered for this design.</li> <li>Gable requires continuous bottom chord bearing.</li> <li>Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).</li> <li>Gable studs spaced at 1-4-0 oc.</li> <li>Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1619 lb uplift at joint 29 and 1614 lb uplift at joint 28.</li> <li>This truss has been designed for a total drag load of 100 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag</li> </ol>	TOP CHORD 2-3=-254/254, 3-4=-388/388, 4-5=-521/521, 5-6=-654/654, 6-7=-729/667, 7-8=-788/788, 8-9=-921/908, 9-10=-1054/1054, 10-11=-1071/1071, 11-12=-924/938, 12-13=-804/804, 13-14=-671/671, 14-15=-538/538, 15-16=-404/404, 16-17=-271/271 BOT CHORD 34-35=-254/254, 33-34=-387/387, 32-33=-521/521, 31-32=-654/654, 30-31=-787/787, 29-30=-921/921, 28-29=-1204/1204, 27-28=-1071/1071, 26-27=-938/938, 25-26=-804/804, 24-25=-738/738, 23-24=-671/671, 22-23=-538/538, 21-22=-404/404, 20-21=-271/271
	<ol> <li>Unbalanced floor live loads have been considered for this design.</li> <li>Gable requires continuous bottom chord bearing.</li> <li>Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).</li> <li>Gable studs spaced at 1-4-0 oc.</li> <li>Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1619 lb uplift at joint 29 and 1614 lb uplift at joint 28.</li> <li>This truss has been designed for a total drag load of 100 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag</li> </ol>

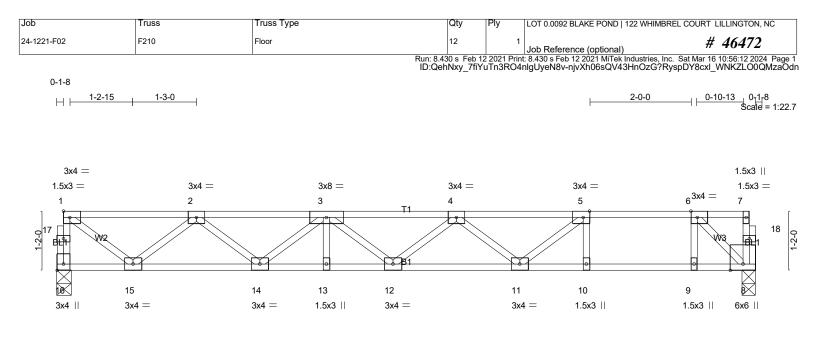


Plate Offsets (X,Y)	[5:0-1-8,Edge], [6:0-1-8,Edge], [16:Ec	10-4-7  ge,0-1-8]			0-1-8 1-0	0-0 1-0-0	1-3-5
LOADING         (psf)           TCLL         40.0           TCDL         10.0           BCLL         0.0           BCDL         5.0	SPACING- 1-7-3 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	<b>CSI.</b> TC 0.73 BC 0.85 WB 0.39 Matrix-SH	Vert(LL) -0.2	7 10-11 >602 4 7 10-11 >440 3	L/d 480 360 n/a	<b>PLATES</b> MT20 Weight: 70 lb	<b>GRIP</b> 244/190 FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF WEBS 2x4 SF			BRACING- TOP CHORD BOT CHORD	Structural wood si end verticals. Rigid ceiling direc	0		0-0 oc purlins, except

REACTIONS. (lb/size) 16=590/0-3-6 (min. 0-1-8), 8=590/0-3-6 (min. 0-1-8)

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

TOP CHORD 16-17=-586/0, 1-17=-585/0, 1-2=-667/0, 2-3=-1550/0, 3-4=-1901/0, 4-5=-1672/0, 5-6=-1036/0

BOT CHORD 14-15=0/1251, 13-14=0/1844, 12-13=0/1844, 11-12=0/1977, 10-11=0/1036, 9-10=0/1036, 8-9=0/1036

WEBS 5-10=-427/0, 6-9=0/462, 5-11=0/821, 4-11=-403/0, 3-14=-376/0, 2-14=0/388, 2-15=-760/0, 1-15=0/808, 6-8=-1450/0

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.

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



dof	Truss		Truss Type	;			loi 0.0	092 BLAKE POND   12	2 WHIMBREL COU	RT LILLINGTON, NC
4-1221-F02	F211		Floor Suppo	rted Gable		1	1 Job Re	ference (optional)		# 46472
					Run	: 8.430 s Feb 12 2 OebNxy 7fiYu	2021 Print: 8.430 s Tn3RO4nlal lve	Feb 12 2021 MiTek Inc	lustries, Inc. Sat Ma wuwz9giyBP0m	ar 16 10:56:13 2024 Page 1 IL0U8j3FTo?7ZyozaOdn
0-1-8					ID.		morto-migoyer		www.zoqiybi onic	
0 <sub>1</sub> 18										0 <sub>1</sub> 178
										Scale = 1:22.7
										1.5x3
1.5x3										1.5x3
1.5x3 =	1.5x3	1.5x3	1.5x3	1.5x3	$3x4 \equiv$	1.5x3	1.5x3	1.5x3	1.5x3	1.5x3 =
1	2	3	4	5	6 	7	8	9	10	11 12
]	•	•	•	•		•	•	•	•	
0-24 ℃- B <del>L1</del>	ST1	ST1	ST1	ST1 W	ST1	GT1	ST1	ST1	QT1	9T1 25 9
2- BL										ST1 25
								•		
	$\times$	$\times$	$\times$	****		$\times$	$\sim\sim\sim\sim\sim\sim\sim$	$\times$	****	
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

Otv

**P**lv

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	<b>CSI.</b> TC 0.06 BC 0.01 WB 0.03 Matrix-SH	DEFL. ii Vert(LL) n/: Vert(CT) n/: Horz(CT) 0.00	a - a -	l/defl L/d n/a 999 n/a 999 n/a n/a	<b>PLATES</b> MT20 Weight: 61 lb	<b>GRIP</b> 244/190 FT = 20%F, 11%E
			BRACING- TOP CHORD BOT CHORD	end vert			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

Truss Type

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

**NOTES-** (5-8)

.lob

Truss

1) Gable requires continuous bottom chord bearing.

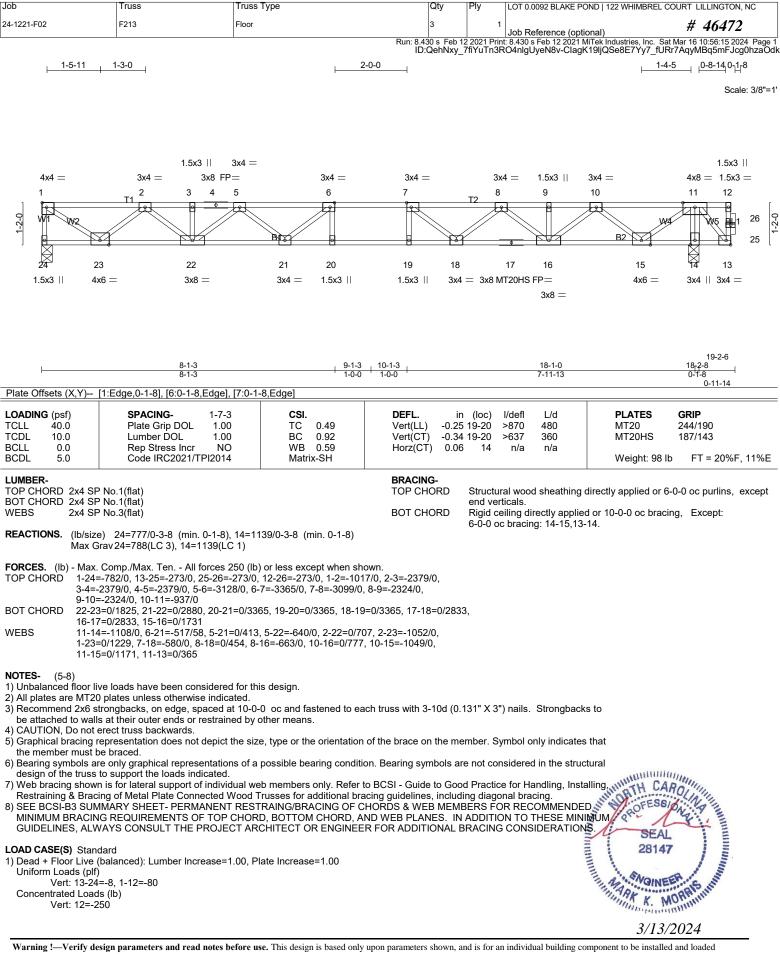
- 2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 3) Gable studs spaced at 1-4-0 oc.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls 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



LOT 0.0092 BLAKE POND I 122 WHIMBREL COURT LILLINGTON NO

lob	Truss	Truss Type	Qty	Ply LOT 0.	0092 BLAKE P	JND   122 WF	HIMBREL CO	OURT LILLINGTON, NC
24-1221-F02	F212	Floor Girder	1	1 1	eference (opti	ional)		# 46472
	I	I	Run: 8.430 s Feb 1: ID:QehNxy_7	2 2021 Print: 8.430	s Feb 12 2021 I	MiTek Industri	ies, Inc. Sat /MOQTQyE	Mar 16 10:56:14 2024 Page EJ?dQqSSVgd0ft6UEzaO
			-	2			-	0 <sub>1</sub> 1 <sub>7</sub> 8
								Scale = 1:29.
-	HA422	1.5x3    1.5x3						1.5x3
3x4    1.5x		1.5x3    1.5x3    3x8 FP= 1.5x3	3x4 = 1.5x3	1.5x3	1.5x3	1.5x3	1.5x3	1.5x3    1.5x3 ≕
1 2	35 3 4	5 6 7 8	9 10	11 T2	12	13	14	15 16
TR 14	H _ ST1 ST1	ST1 ST1 ST1	W2 ST1 ST1	ST1	ST1	ST1	ST1	ST1 B1 34
		_B1	<b>₀ ₀</b>	•	• B2			
32 31	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	28 27 26	25 24 23	22 XXXXXXX	21 21	20 XXXXX	XXXXX 19	18 17
3x4    1.5x		1.5x3    1.5x3    3x4		1.5x3	1.5x3	1.5x3	1.5x3	1.5x3
			1.5x3    1.5x3					1.5x3
			18-2-6					
Plate Offsets (X Y)	- [1:Edge 0-1-8] [9:0-1-8 Edg	ge], [26:0-1-8,Edge], [32:Edge,0	18-2-6					
		0-0 <b>CSI</b> .	DEFL. in	(loc) l/defl	L/d	PLA	ATES	GRIP
LUADING (psi)	SPACING- 2-	·0-0 C3I.				MT	~~	244/190
TCLL ÄO.Ó	Plate Grip DOL 1	.00 TC 0.28	Vert(LL) n/a		999 999	IVI I A	20	244/130
TCLL Ä0.Ó TCDL 10.0 BCLL 0.0	Plate Grip DOL 1 Lumber DOL 1 Rep Stress Incr	.00 TC 0.28 .00 BC 0.01 NO WB 0.08		- n/a	999 999 n/a			
TCDL 10.0 BCLL 0.0 BCDL 5.0	Plate Grip DOL 1 Lumber DOL 1	.00 TC 0.28 .00 BC 0.01 NO WB 0.08	Vert(LL) n/a Vert(CT) n/a Horz(CT) -0.00	- n/a	999		ight: 79 lb	
TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0 	Plate Grip DOL 1 Lumber DOL 1 Rep Stress Incr Code IRC2021/TPI2	.00 TC 0.28 .00 BC 0.01 NO WB 0.08	Vert(LL) n/a Vert(CT) n/a	- n/a 17 n/a Structural woo	999 n/a	We	ight: 79 lb	
TCLL         40.0           TCDL         10.0           BCLL         0.0           BCDL         5.0           LUMBER-           TOP CHORD         2x4 S           BOT CHORD         2x4 S           WEBS         2x4 S	Plate Grip DOL 1 Lumber DOL 1 Rep Stress Incr Code IRC2021/TPI2 SP No.1(flat) SP No.1(flat) SP No.3(flat)	.00 TC 0.28 .00 BC 0.01 NO WB 0.08	Vert(LL) n/a Vert(CT) n/a Horz(CT) -0.00 BRACING-	- n/a 17 n/a	999 n/a d sheathing	We directly ap	ight: 79 lb plied or 10	FT = 20%F, 11%E
TCLL         40.0           TCDL         10.0           SCLL         0.0           SCDL         5.0             LUMBER-           TOP CHORD         2x4 \$           SOT CHORD         2x4 \$           WEBS         2x4 \$           OTHERS         2x4 \$	Plate Grip DOL 1 Lumber DOL 1 Rep Stress Incr Code IRC2021/TPI2 SP No.1(flat) SP No.1(flat) SP No.3(flat) SP No.3(flat)	.00 TC 0.28 .00 BC 0.01 NO WB 0.08	Vert(LL) n/a Vert(CT) n/a Horz(CT) -0.00 BRACING- TOP CHORD	- n/a 17 n/a Structural woo end verticals.	999 n/a d sheathing	We directly ap	ight: 79 lb plied or 10	FT = 20%F, 11%E
TCLL         40.0           TCDL         10.0           SCLL         0.0           SCDL         5.0             LUMBER-           TOP CHORD         2x4 S           SOT CHORD         2x4 S           WEBS         2x4 S           OTHERS         2x4 S	Plate Grip DOL 1 Lumber DOL 1 Rep Stress Incr Code IRC2021/TPI2 P No.1(flat) P No.3(flat) P No.3(flat) P No.3(flat) bearings 18-2-6. Grav All reactions 250 lb or	.00 TC 0.28 .00 BC 0.01 NO WB 0.08	Vert(LL) n/a Vert(CT) n/a Horz(CT) -0.00 BRACING- TOP CHORD BOT CHORD	- n/a 17 n/a Structural woo end verticals. Rigid ceiling di	999 n/a d sheathing rectly applie	We directly ap	ight: 79 lb plied or 10	FT = 20%F, 11%E
FCLL         40.0           FCDL         10.0           SCLL         0.0           SCDL         5.0           LUMBER-         FOP CHORD           FOP CHORD         2x4 S           SOT CHORD         2x4 S           DTHERS         2x4 S           DTHERS         2x4 S           REACTIONS.         All I           (lb) - Max	Plate Grip DOL 1 Lumber DOL 1 Rep Stress Incr Code IRC2021/TPI2 SP No.1(flat) SP No.3(flat) SP No.3(flat) SP No.3(flat) bearings 18-2-6. Grav All reactions 250 lb or 31=386(LC 1)	.00 TC 0.28 .00 BC 0.01 NO WB 0.08 014 Matrix-SH	Vert(LL) n/a Vert(CT) n/a Horz(CT) -0.00 BRACING- TOP CHORD BOT CHORD BOT CHORD	- n/a 17 n/a Structural woo end verticals. Rigid ceiling di	999 n/a d sheathing rectly applie	We directly ap	ight: 79 lb plied or 10	FT = 20%F, 11%E
TCLL 40.0 TCDL 10.0 BCDL 0.0 BCDL 5.0 LUMBER- TOP CHORD 2x4 S BOT CHORD 2x4 S WEBS 2x4 S OTHERS 2x4 S OTHERS 2x4 S REACTIONS. All I (Ib) - Max FORCES. (Ib) - Ma	Plate Grip DOL 1 Lumber DOL 1 Rep Stress Incr Code IRC2021/TPI2 SP No.1(flat) SP No.3(flat) SP No.3(flat) SP No.3(flat) bearings 18-2-6. Grav All reactions 250 lb or 31=386(LC 1)	.00 TC 0.28 .00 BC 0.01 NO WB 0.08 014 Matrix-SH	Vert(LL) n/a Vert(CT) n/a Horz(CT) -0.00 BRACING- TOP CHORD BOT CHORD BOT CHORD	- n/a 17 n/a Structural woo end verticals. Rigid ceiling di	999 n/a d sheathing rectly applie	We directly ap	ight: 79 lb plied or 10	FT = 20%F, 11%E
FCLL         40.0           FCDL         10.0           SCLL         0.0           SCDL         5.0           JUMBER-         FOP CHORD           FOP CHORD         2x4 S           SOT CHORD         2x4 S           SOT CHORD         2x4 S           OTHERS         2x4 S           OTHERS         2x4 S           CORCES.         (lb) - Max           FORCES.         (lb) - Ma           NOTES-         (9-12)	Plate Grip DOL 1 Lumber DOL 1 Rep Stress Incr Code IRC2021/TPI2 P No.1(flat) P No.3(flat) P No.3(flat) P No.3(flat) bearings 18-2-6. Grav All reactions 250 lb or 31=386(LC 1) x. Comp./Max. Ten All force 1=-371/0	.00         TC         0.28           .00         BC         0.01           NO         WB         0.08           014         Matrix-SH	Vert(LL) n/a Vert(CT) n/a Horz(CT) -0.00 BRACING- TOP CHORD BOT CHORD BOT CHORD	- n/a 17 n/a Structural woo end verticals. Rigid ceiling di	999 n/a d sheathing rectly applie	We directly ap	ight: 79 lb plied or 10	FT = 20%F, 11%E
TCLL 40.0 TCDL 10.0 BCDL 5.0 LUMBER- TOP CHORD 2x4 S BOT CHORD 2x4 S WEBS 2x4 S OTHERS 2x4 S OTHERS 2x4 S REACTIONS. All I (Ib) - Max WEBS 2-3 NOTES- (9-12) 1) Gable requires cc 2) Truss to be fully s	Plate Grip DOL 1 Lumber DOL 1 Rep Stress Incr Code IRC2021/TPI2 SP No.1(flat) SP No.1(flat) SP No.3(flat) SP No.3(flat) bearings 18-2-6. Grav All reactions 250 lb or 31=386(LC 1) x. Comp./Max. Ten All force 1=-371/0	.00         TC         0.28           .00         BC         0.01           NO         WB         0.08           014         Matrix-SH	Vert(LL) n/a Vert(CT) n/a Horz(CT) -0.00 BRACING- TOP CHORD BOT CHORD BOT CHORD 3, 27, 26, 25, 23, 22, 21, 2 shown.	- n/a 17 n/a Structural woo end verticals. Rigid ceiling di 0, 19, 18 excep	999 n/a d sheathing rectly applie	We directly ap	ight: 79 lb plied or 10	FT = 20%F, 11%E
TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0 LUMBER- TOP CHORD 2x4 S BOT CHORD 2x4 S WEBS 2x4 S OTHERS 2x4 S REACTIONS. All I (Ib) - Max WEBS 2-3 NOTES- (9-12) 1) Gable requires cc 2) Truss to be fully s 3) Gable studs spac 4) Recommend 2x6	Plate Grip DOL 1 Lumber DOL 1 Rep Stress Incr Code IRC2021/TPI2 P No.1(flat) P No.1(flat) P No.3(flat) P No.3(flat) P No.3(flat) P No.3(flat) bearings 18-2-6. Grav All reactions 250 lb or 31=386(LC 1) x. Comp./Max. Ten All force 1=-371/0 pontinuous bottom chord bearing sheathed from one face or se- ied at 1-4-0 oc. strongbacks, on edge, space	.00     TC     0.28       .00     BC     0.01       NO     WB     0.08       D14     Matrix-SH   less at joint(s) 32, 17, 30, 29, 28 es 250 (lb) or less except when ng. curely braced against lateral model ed at 10-0-0 oc and fastened to	Vert(LL) n/a Vert(CT) n/a Horz(CT) -0.00 BRACING- TOP CHORD BOT CHORD BOT CHORD 3, 27, 26, 25, 23, 22, 21, 2 shown.	- n/a 17 n/a Structural woo end verticals. Rigid ceiling di 0, 19, 18 excep	999 n/a d sheathing rectly applie	We directly app d or 10-0-0	ight: 79 lb plied or 10	FT = 20%F, 11%E
TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0 LUMBER- TOP CHORD 2x4 S BOT CHORD 2x4 S BOT CHORD 2x4 S OTHERS 2x4 S OTHERS 2x4 S OTHERS 2x4 S REACTIONS. All I (Ib) - Max FORCES. (Ib) - Ma WEBS 2-3 NOTES- (9-12) 1) Gable requires cc 2) Truss to be fully s 3) Gable studs spac 4) Recommend 2x6 be attached to wa 5) CAUTION, Do no	Plate Grip DOL 1 Lumber DOL 1 Rep Stress Incr Code IRC2021/TPI2 SP No.1(flat) SP No.3(flat) SP No.3(flat) SP No.3(flat) SP No.3(flat) bearings 18-2-6. Grav All reactions 250 lb or 31=386(LC 1) x. Comp./Max. Ten All force 1=-371/0 strongbacks, on edge, space alls at their outer ends or rest t erect truss backwards.	.00       TC       0.28         .00       BC       0.01         NO       WB       0.08         014       Matrix-SH	Vert(LL) n/a Vert(CT) n/a Horz(CT) -0.00 BRACING- TOP CHORD BOT CHORD BOT CHORD 3, 27, 26, 25, 23, 22, 21, 2 shown.	- n/a 17 n/a Structural woo end verticals. Rigid ceiling di 0, 19, 18 excep 0). 131" X 3") nails.	999 n/a d sheathing rectly applie t t	We directly app d or 10-0-0	ight: 79 lb plied or 10	FT = 20%F, 11%E
TCLL 40.0 TCDL 10.0 BCDL 0.0 BCDL 5.0 LUMBER- TOP CHORD 2x4 S BOT CHORD 2x4 S BOT CHORD 2x4 S OTHERS 2x4 S OTHERS 2x4 S OTHERS 2x4 S REACTIONS. All I (Ib) - Max FORCES. (Ib) - Max WEBS 2-3 NOTES- (9-12) 1) Gable requires cc 2) Truss to be fully s 3) Gable studs space 4) Recommend 2x6 be attached to was 5) CAUTION, Do no 6) Use Simpson Stru- to back face of to	Plate Grip DOL 1 Lumber DOL 1 Rep Stress Incr Code IRC2021/TPI2 SP No.1(flat) SP No.1(flat) SP No.3(flat) SP No.3(	.00       TC       0.28         .00       BC       0.01         NO       WB       0.08         D14       Matrix-SH	Vert(LL) n/a Vert(CT) n/a Horz(CT) -0.00 BRACING- TOP CHORD BOT CHORD BOT CHORD 3, 27, 26, 25, 23, 22, 21, 2 shown.	- n/a 17 n/a Structural woo end verticals. Rigid ceiling di 0, 19, 18 excep 0). 131" X 3") nails.	999 n/a d sheathing rectly applie t t	We directly app d or 10-0-0	ight: 79 lb plied or 10	FT = 20%F, 11%E
TCLL 40.0 TCDL 10.0 BCDL 5.0 <b>LUMBER-</b> TOP CHORD 2x4 S BOT CHORD 2x4 S BOT CHORD 2x4 S WEBS 2x4 S OTHERS 2x4 S OTHERS 2x4 S OTHERS 2x4 S <b>REACTIONS.</b> All I (Ib) - Max <b>FORCES.</b> (Ib) - Ma WEBS 2-3 <b>NOTES.</b> (9-12) 1) Gable requires cc 2) Truss to be fully s 3) Gable studs spac (J) Recommend 2x6 be attached to wa 5) CAUTION, Do no 6) Use Simpson Stru- to back face of to 7) Fill all nail holes v 8) In the LOAD CAS	Plate Grip DOL 1 Lumber DOL 1 Rep Stress Incr Code IRC2021/TPI2 PNo.1(flat) PNo.3(flat) PNo.3(flat) PNo.3(flat) PNO.3(flat) PN	.00       TC       0.28         .00       BC       0.01         NO       WB       0.08         014       Matrix-SH         less at joint(s)       32, 17, 30, 29, 28         es 250 (lb) or less except when         ng.         curely braced against lateral mode         at 10-0-0 oc and fastened to rained by other means.         rd Girder) or equivalent at 1-8-1         h lumber.         othe face of the truss are noted	Vert(LL) n/a Vert(CT) n/a Horz(CT) -0.00 BRACING- TOP CHORD BOT CHORD 3, 27, 26, 25, 23, 22, 21, 2 shown. verment (i.e. diagonal web each truss with 3-10d (0.1 5 from the left end to conr as front (F) or back (B).	<ul> <li>n/a 17 n/a</li> <li>Structural woo end verticals. Rigid ceiling di</li> <li>10, 19, 18 exception</li> <li>131" X 3") nails.</li> <li>nect truss(es) F2</li> </ul>	999 n/a d sheathing rectly applie t Strongback 221 (1 ply 2x	We directly app d or 10-0-0	ight: 79 lb plied or 10	FT = 20%F, 11%E
TCLL 40.0 TCDL 10.0 BCDL 0.0 BCDL 5.0 LUMBER- TOP CHORD 2x4 S BOT CHORD 2x4 S BOT CHORD 2x4 S OTHERS 2x4 S OTHERS 2x4 S REACTIONS. All I (Ib) - Max WEBS 2-3 NOTES- (9-12) 1) Gable requires cc 2) Truss to be fully s 3) Gable studs spac 4) Recommend 2x6 be attached to wa 5) CAUTION, Do no 6) Use Simpson Stru- to back face of to 7) Fill all nail holes v 8) Graphical bracing the member must	Plate Grip DOL 1 Lumber DOL 1 Rep Stress Incr Code IRC2021/TPI2 SP No.1(flat) SP No.1(flat) SP No.3(flat) SP No.3(flat) SP No.3(flat) SP No.3(flat) bearings 18-2-6. Grav All reactions 250 lb or 31=386(LC 1) x. Comp./Max. Ten All force 1=-371/0 set at 1-4-0 oc. strongbacks, on edge, space alls at their outer ends or rest te erect truss backwards. ong-Tie THA422 (Single Cho p chord. where hanger is in contact wi E(S) section, loads applied to prepresentation does not dep t be braced.	.00       TC       0.28         .00       BC       0.01         NO       WB       0.08         D14       Matrix-SH	Vert(LL) n/a Vert(CT) n/a Horz(CT) -0.00 BRACING- TOP CHORD BOT CHORD 3, 27, 26, 25, 23, 22, 21, 2 shown. vement (i.e. diagonal web each truss with 3-10d (0.1 5 from the left end to conr as front (F) or back (B). on of the brace on the me	- n/a 17 n/a Structural woo end verticals. Rigid ceiling di 0, 19, 18 excep 0). 131" X 3") nails. nect truss(es) F2 mber. Symbol c	999 n/a d sheathing rectly applie t Strongback 221 (1 ply 2x	We directly app d or 10-0-0	ight: 79 lb plied or 10	FT = 20%F, 11%E
TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0 <b>LUMBER-</b> TOP CHORD 2x4 S BOT CHORD 2x4 S BOT CHORD 2x4 S OTHERS 2x4 S OTHERS 2x4 S <b>REACTIONS.</b> All I (Ib) - Max <b>FORCES.</b> (Ib) - Ma WEBS 2-3 <b>NOTES.</b> (9-12) 1) Gable requires cc 2) Truss to be fully s 3) Gable studs space 4) Recommend 2x6 be attached to was 5) CAUTION, Do no 6) Use Simpson Stru- to back face of to 7) Fill all nail holes v 8) In the LOAD CAS 9) Graphical bracing the member must	Plate Grip DOL 1 Lumber DOL 1 Rep Stress Incr Code IRC2021/TPI2 SP No.1(flat) SP No.1(flat) SP No.3(flat) SP No.3(flat) SP No.3(flat) SP No.3(flat) bearings 18-2-6. Grav All reactions 250 lb or 31=386(LC 1) x. Comp./Max. Ten All force 1=-371/0 strongbacks, on edge, space alls at their outer ends or rest t erect truss backwards. ong-Tie THA422 (Single Cho p chord. where hanger is in contact will E(S) section, loads applied to representation does not dep t be braced.	.00       TC       0.28         .00       BC       0.01         NO       WB       0.08         D14       Matrix-SH	Vert(LL) n/a Vert(CT) n/a Horz(CT) -0.00 BRACING- TOP CHORD BOT CHORD BOT CHORD 3, 27, 26, 25, 23, 22, 21, 2 shown. vement (i.e. diagonal web each truss with 3-10d (0.1 5 from the left end to conr as front (F) or back (B). on of the brace on the me	- n/a 17 n/a Structural woo end verticals. Rigid ceiling di 0, 19, 18 excep 0). 131" X 3") nails. nect truss(es) F2 mber. Symbol c	999 n/a d sheathing rectly applie t Strongback 221 (1 ply 2x	We directly app d or 10-0-0 s to 4 SP)	ight: 79 lb plied or 10 ) oc bracin	FT = 20%F, 11%E
TCLL 40.0 TCDL 10.0 SCDL 0.0 SCDL 5.0 <b>LUMBER-</b> TOP CHORD 2x4 S SOT CHORD 2x4 S SOT CHORD 2x4 S TOP CHORD 2x4 S SOT	Plate Grip DOL 1 Lumber DOL 1 Rep Stress Incr Code IRC2021/TPI2 SP No.1(flat) SP No.1(flat) SP No.3(flat) SP No.3(flat) SP No.3(flat) SP No.3(flat) bearings 18-2-6. Grav All reactions 250 lb or 31=386(LC 1) x. Comp./Max. Ten All force 1=-371/0 strongbacks, on edge, space alls at their outer ends or rest t erect truss backwards. ong-Tie THA422 (Single Cho p chord. where hanger is in contact will E(S) section, loads applied to representation does not dep t be braced.	.00       TC       0.28         .00       BC       0.01         NO       WB       0.08         D14       Matrix-SH	Vert(LL) n/a Vert(CT) n/a Horz(CT) -0.00 BRACING- TOP CHORD BOT CHORD BOT CHORD 3, 27, 26, 25, 23, 22, 21, 2 shown. vement (i.e. diagonal web each truss with 3-10d (0.1 5 from the left end to conr as front (F) or back (B). on of the brace on the me	- n/a 17 n/a Structural woo end verticals. Rigid ceiling di 0, 19, 18 excep 0). 131" X 3") nails. nect truss(es) F2 mber. Symbol c	999 n/a d sheathing rectly applie t Strongback 221 (1 ply 2x	We directly app d or 10-0-0 s to 4 SP)	ight: 79 lb plied or 10 ) oc bracin	FT = 20%F, 11%E
TCLL 40.0 TCDL 10.0 SCDL 0.0 SCDL 5.0 <b>LUMBER-</b> TOP CHORD 2x4 S SOT CHORD 2x4 S SOT CHORD 2x4 S TOP CHORD 2x4 S SOT	Plate Grip DOL 1 Lumber DOL 1 Rep Stress Incr Code IRC2021/TPI2 SP No.1(flat) SP No.1(flat) SP No.3(flat) SP No.3(flat) SP No.3(flat) SP No.3(flat) bearings 18-2-6. Grav All reactions 250 lb or 31=386(LC 1) x. Comp./Max. Ten All force 1=-371/0 strongbacks, on edge, space alls at their outer ends or rest t erect truss backwards. ong-Tie THA422 (Single Cho p chord. where hanger is in contact will E(S) section, loads applied to representation does not dep t be braced.	.00       TC       0.28         .00       BC       0.01         NO       WB       0.08         D14       Matrix-SH	Vert(LL) n/a Vert(CT) n/a Horz(CT) -0.00 BRACING- TOP CHORD BOT CHORD BOT CHORD 3, 27, 26, 25, 23, 22, 21, 2 shown. vement (i.e. diagonal web each truss with 3-10d (0.1 5 from the left end to conr as front (F) or back (B). on of the brace on the me	- n/a 17 n/a Structural woo end verticals. Rigid ceiling di 0, 19, 18 excep 0). 131" X 3") nails. nect truss(es) F2 mber. Symbol c	999 n/a d sheathing rectly applie t Strongback 221 (1 ply 2x	We directly app d or 10-0-0 s to 4 SP)	ight: 79 lb plied or 10 ) oc bracin	FT = 20%F, 11%E
TCLL 40.0 TCDL 10.0 BCDL 0.0 BCDL 5.0 <b>LUMBER-</b> TOP CHORD 2x4 S BOT CHORD 2x4 S BOT CHORD 2x4 S OTHERS 2x4 S OTHERS 2x4 S <b>REACTIONS.</b> All I (Ib) - Max <b>FORCES.</b> (Ib) - Ma WEBS 2-3 <b>NOTES.</b> (9-12) 1) Gable requires cc 2) Truss to be fully s 3) Gable studs space 4) Recommend 2x6 be attached to was 5) CAUTION, Do no 6) Use Simpson Stru- to back face of to 7) Fill all nail holes v 8) In the LOAD CAS 9) Graphical bracing the member must	Plate Grip DOL 1 Lumber DOL 1 Rep Stress Incr Code IRC2021/TPI2 SP No.1(flat) SP No.1(flat) SP No.3(flat) SP No.3(flat) SP No.3(flat) SP No.3(flat) bearings 18-2-6. Grav All reactions 250 lb or 31=386(LC 1) x. Comp./Max. Ten All force 1=-371/0 strongbacks, on edge, space alls at their outer ends or rest t erect truss backwards. ong-Tie THA422 (Single Cho p chord. where hanger is in contact will E(S) section, loads applied to representation does not dep t be braced.	.00       TC       0.28         .00       BC       0.01         NO       WB       0.08         D14       Matrix-SH	Vert(LL) n/a Vert(CT) n/a Horz(CT) -0.00 BRACING- TOP CHORD BOT CHORD BOT CHORD 3, 27, 26, 25, 23, 22, 21, 2 shown. vement (i.e. diagonal web each truss with 3-10d (0.1 5 from the left end to conr as front (F) or back (B). on of the brace on the me	- n/a 17 n/a Structural woo end verticals. Rigid ceiling di 0, 19, 18 excep 0). 131" X 3") nails. nect truss(es) F2 mber. Symbol c	999 n/a d sheathing rectly applie t Strongback 221 (1 ply 2x	We directly app d or 10-0-0 s to 4 SP)	ight: 79 lb plied or 10 ) oc bracin	FT = 20%F, 11%E
TCLL 40.0 TCDL 10.0 BCDL 0.0 BCDL 5.0 <b>LUMBER-</b> TOP CHORD 2x4 S BOT CHORD 2x4 S BOT CHORD 2x4 S OTHERS 2x4 S OTHERS 2x4 S <b>REACTIONS.</b> All I (Ib) - Max <b>FORCES.</b> (Ib) - Ma WEBS 2-3 <b>NOTES.</b> (9-12) 1) Gable requires cc 2) Truss to be fully s 3) Gable studs space 4) Recommend 2x6 be attached to was 5) CAUTION, Do no 6) Use Simpson Stru- to back face of to 7) Fill all nail holes v 8) In the LOAD CAS 9) Graphical bracing the member must	Plate Grip DOL 1 Lumber DOL 1 Rep Stress Incr Code IRC2021/TPI2 SP No.1(flat) SP No.1(flat) SP No.3(flat) SP No.3(flat) SP No.3(flat) SP No.3(flat) bearings 18-2-6. Grav All reactions 250 lb or 31=386(LC 1) x. Comp./Max. Ten All force 1=-371/0 strongbacks, on edge, space alls at their outer ends or rest t erect truss backwards. ong-Tie THA422 (Single Cho p chord. where hanger is in contact will E(S) section, loads applied to representation does not dep t be braced.	.00       TC       0.28         .00       BC       0.01         NO       WB       0.08         D14       Matrix-SH	Vert(LL) n/a Vert(CT) n/a Horz(CT) -0.00 BRACING- TOP CHORD BOT CHORD BOT CHORD 3, 27, 26, 25, 23, 22, 21, 2 shown. vement (i.e. diagonal web each truss with 3-10d (0.1 5 from the left end to conr as front (F) or back (B). on of the brace on the me	- n/a 17 n/a Structural woo end verticals. Rigid ceiling di 0, 19, 18 excep 0). 131" X 3") nails. nect truss(es) F2 mber. Symbol c	999 n/a d sheathing rectly applie t Strongback 221 (1 ply 2x	We directly app d or 10-0-0 s to 4 SP)	ight: 79 lb plied or 10 ) oc bracin	FT = 20%F, 11%E
TCLL 40.0 TCDL 10.0 SCDL 0.0 SCDL 5.0 <b>LUMBER-</b> TOP CHORD 2x4 S SOT CHORD 2x4 S SOT CHORD 2x4 S TOP CHORD 2x4 S SOT	Plate Grip DOL 1 Lumber DOL 1 Rep Stress Incr Code IRC2021/TPI2 SP No.1(flat) SP No.1(flat) SP No.3(flat) SP No.3(flat) SP No.3(flat) SP No.3(flat) bearings 18-2-6. Grav All reactions 250 lb or 31=386(LC 1) x. Comp./Max. Ten All force 1=-371/0 strongbacks, on edge, space alls at their outer ends or rest t erect truss backwards. ong-Tie THA422 (Single Cho p chord. where hanger is in contact will E(S) section, loads applied to representation does not dep t be braced.	.00       TC       0.28         .00       BC       0.01         NO       WB       0.08         D14       Matrix-SH	Vert(LL) n/a Vert(CT) n/a Horz(CT) -0.00 BRACING- TOP CHORD BOT CHORD BOT CHORD 3, 27, 26, 25, 23, 22, 21, 2 shown. vement (i.e. diagonal web each truss with 3-10d (0.1 5 from the left end to conr as front (F) or back (B). on of the brace on the me	- n/a 17 n/a Structural woo end verticals. Rigid ceiling di 0, 19, 18 excep 0). 131" X 3") nails. nect truss(es) F2 mber. Symbol c	999 n/a d sheathing rectly applie t Strongback 221 (1 ply 2x	We directly app d or 10-0-0 s to 4 SP)	ight: 79 lb plied or 10 ) oc bracin	FT = 20%F, 11%E
TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0 <b>LUMBER-</b> TOP CHORD 2x4 S BOT CHORD 2x4 S BOT CHORD 2x4 S OTHERS 2x4 S OTHERS 2x4 S <b>REACTIONS.</b> All I (Ib) - Max <b>FORCES.</b> (Ib) - Ma WEBS 2-3 <b>NOTES.</b> (9-12) 1) Gable requires cc 2) Truss to be fully s 3) Gable studs space 4) Recommend 2x6 be attached to was 5) CAUTION, Do no 6) Use Simpson Stru- to back face of to 7) Fill all nail holes v 8) In the LOAD CAS 9) Graphical bracing the member must	Plate Grip DOL 1 Lumber DOL 1 Rep Stress Incr Code IRC2021/TPI2 SP No.1(flat) SP No.1(flat) SP No.3(flat) SP No.3(flat) SP No.3(flat) SP No.3(flat) bearings 18-2-6. Grav All reactions 250 lb or 31=386(LC 1) x. Comp./Max. Ten All force 1=-371/0 strongbacks, on edge, space alls at their outer ends or rest t erect truss backwards. ong-Tie THA422 (Single Cho p chord. where hanger is in contact will E(S) section, loads applied to representation does not dep t be braced.	.00       TC       0.28         .00       BC       0.01         NO       WB       0.08         D14       Matrix-SH	Vert(LL) n/a Vert(CT) n/a Horz(CT) -0.00 BRACING- TOP CHORD BOT CHORD BOT CHORD 3, 27, 26, 25, 23, 22, 21, 2 shown. vement (i.e. diagonal web each truss with 3-10d (0.1 5 from the left end to conr as front (F) or back (B). on of the brace on the me	- n/a 17 n/a Structural woo end verticals. Rigid ceiling di 0, 19, 18 excep 0). 131" X 3") nails. nect truss(es) F2 mber. Symbol c	999 n/a d sheathing rectly applie t Strongback 221 (1 ply 2x	We directly app d or 10-0-0 s to 4 SP)	ight: 79 lb plied or 10 ) oc bracin	FT = 20%F, 11%E
TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0 <b>LUMBER-</b> TOP CHORD 2x4 S BOT CHORD 2x4 S BOT CHORD 2x4 S OTHERS 2x4 S OTHERS 2x4 S <b>REACTIONS.</b> All I (Ib) - Max <b>FORCES.</b> (Ib) - Ma WEBS 2-3 <b>NOTES.</b> (9-12) 1) Gable requires cc 2) Truss to be fully s 3) Gable studs space 4) Recommend 2x6 be attached to was 5) CAUTION, Do no 6) Use Simpson Stru- to back face of to 7) Fill all nail holes v 8) In the LOAD CAS 9) Graphical bracing the member must	Plate Grip DOL 1 Lumber DOL 1 Rep Stress Incr Code IRC2021/TPI2 SP No.1(flat) SP No.1(flat) SP No.3(flat) SP No.3(flat) SP No.3(flat) SP No.3(flat) bearings 18-2-6. Grav All reactions 250 lb or 31=386(LC 1) x. Comp./Max. Ten All force 1=-371/0 strongbacks, on edge, space alls at their outer ends or rest t erect truss backwards. ong-Tie THA422 (Single Cho p chord. where hanger is in contact will E(S) section, loads applied to representation does not dep t be braced.	.00       TC       0.28         .00       BC       0.01         NO       WB       0.08         D14       Matrix-SH	Vert(LL) n/a Vert(CT) n/a Horz(CT) -0.00 BRACING- TOP CHORD BOT CHORD BOT CHORD 3, 27, 26, 25, 23, 22, 21, 2 shown. vement (i.e. diagonal web each truss with 3-10d (0.1 5 from the left end to conr as front (F) or back (B). on of the brace on the me	- n/a 17 n/a Structural woo end verticals. Rigid ceiling di 0, 19, 18 excep 0). 131" X 3") nails. nect truss(es) F2 mber. Symbol c	999 n/a d sheathing rectly applie t Strongback 221 (1 ply 2x	We directly app d or 10-0-0 s to 4 SP)	ight: 79 lb plied or 10 ) oc bracin	FT = 20%F, 11%E



Job 24-1221-F02	Truss F213A	Truss Type Floor Girder	Qty	Ply LOT 0.0092 BLAKE PC	ND   122 WHIMBREL COURT LIL	
24-1221-02	F215A		Run: 8.430 s Fe	b 12 2021 Print: 8.430 s Feb 12 2021 A y 7fiYuTn3RO4nlgUyeN8v-8giQk	liTek Industries, Inc. Sat Mar 16 10	16472 56:17 2024 Page 1 fgC3id5m5ZzaOdi
1-5-11	1-3-0	<u>ب</u>	<u>2-0-0</u>			<u>8-14</u> 0-1-8
						Scale: 3/8"=1'
4x6 = TH	1.5x3    A422 3x4 = 3x8 FP	3x4 = = 3x4 =	3x4 =	3x4 = − 1.5x3	3x4 = 4x8 =	1.5x3    = 1.5x3 ==
1 2	27 2 3 4	5 6	7 Text	T2 8 9	10 11	12
		Bł <u>C</u> ł		<u>*</u>	B2 15 14	25
	3 22 8 = 3x8 =	21 20 3x4 = 1.5x3		18 17 16 x4 = 3x8 MT20HS FP=		13 ∣ 3x4 =
				3x8 =		
	8-1-3	, 9-1-3	, 10-1-3 ,	18-1-0	18 <sub>6</sub> 2-8	19-2-6
	8-1-3	1-0-0		7-11-13	0-1-8	-11-14
LOADING (psf)	<u>1:Edge,0-1-8], [6:0-1-8,Edge],</u> SPACING- 1-7-3		DEFL.	in (loc) l/defl L/d	PLATES GRIP	
TCLL 40.0 TCDL 10.0	Plate Grip DOL 1.00 Lumber DOL 1.00	TC 0.94	Vert(LL) -0.		MT20 244/19 MT20HS 187/14	
BCLL 0.0 BCDL 5.0	Rep Stress Incr NC Code IRC2021/TPI2014		Horz(CT) 0.	06 14 n/a n/a	Weight: 98 lb FT :	= 20%F, 11%E
LUMBER- TOP CHORD 2x4 SP	SS(flat) *Except*		BRACING- TOP CHORD	Structural wood sheathing	directly applied or 6-0-0 oc p	urlins, except
BOT CHORD 2x4 SP			BOT CHORD		d or 10-0-0 oc bracing, Exc	ept:
	SP No.1(flat) No.3(flat)			6-0-0 oc bracing: 14-15,13-	14.	
	e) 24=1140/0-3-8(min. 0-1-8 rav24=1151(LC 3), 14=1176(L					
		250 (lb) or less except when sh				
2-3=-2		=-273/0, 12-26=-273/0, 1-27=-´ 8/0, 5-6=-3535/0, 6-7=-3685/0 989/0		Ι,		
BOT CHORD 22-23 16-17	=0/2510, 21-22=0/3342, 20-2 =0/3017, 15-16=0/1829	=0/3685, 19-20=0/3685, 18-19				
1-23=	0/1684, 7-18=-690/0, 8-18=0/	l=-7/328, 5-22=-644/0, 2-22=- 517, 8-16=-711/0, 10-16=0/840		/0,		
NOTES- (8-11)	=0/1234, 11-13=0/363					
1) Unbalanced floor liv 2) All plates are MT20	e loads have been considered plates unless otherwise indic	ated.				
be attached to walls	s at their outer ends or restrain		ach truss with 3-10d (	(0.131" X 3") nails. Strongback	s to	
<ol> <li>CAUTION, Do not e</li> <li>Use Simpson Stron to front face of top c</li> </ol>	g-Tie THA422 (Single Chord (	Girder) or equivalent at 1-8-15	from the left end to co	onnect truss(es) F221 (1 ply 2x4	4 SP)	
6) Fill all nail holes wh	ere hanger is in contact with lu	e face of the truss are noted a	s front (F) or back (B)	).	4 SP)	<i></i>
8) Graphical bracing re the member must b	epresentation does not depict e braced.	the size, type or the orientation	n of the brace on the i	member. Symbol only indicates	that OPESSION A	Inauto
9) Bearing symbols are design of the truss t	e only graphical representation to support the loads indicated.	is of a possible bearing condition	r to BCSL. Guide to (	are not considered in the struc	SEAL 28147	
Installing, Restrain 11) SEE BCSI-B3 SU	ning & Bracing of Metal Plate ( MMARY SHEET- PERMANEN	Connected Wood Trusses for a T RESTRAING/BRACING OF	dditional bracing guid CHORDS & WEB MI	delines, including diagonal brac EMBERS FOR RECOMMENDE	ing.	unun
MINIMUM BRACIN MINIMUM GUIDEI	NG REQUIREMENTS OF TOF LINES, ALWAYS CONSULT T	CHORD, BOTTOM CHORD, HE PROJECT ARCHITECT O	AND WEB PLANES. R ENGINEER FOR A	IN ADDITION TO THESE	ARK MORRIS	See. See.
CONSIDERATION	IS.			,, member. Symbol only indicates are not considered in the struc Good Practice for Handling, delines, including diagonal brac EMBERS FOR RECOMMENDE IN ADDITION TO THESE ADDITIONAL BRACING	2/12/2024	
Continuing by Verify 21er	sign narameters and read notes h	efore use. This design is based only	upon parameters shown	n, and is for an individual building co	3/13/2024	ed

Job	Truss	Truss Type	Qty	Ply	LOT 0.0092 BLAKE POND   122 WHIMBREL COURT LILLINGTON, NC
24-1221-F02	F213A	Floor Girder	1	1	Job Reference (optional) # 46472
					t: 8.430 s Feb 12 2021 MiTek Industries, Inc. Sat Mar 16 10:56:17 2024 Page 2 RO4nlgUyeN8v-8giQkjA?F1iMNYGx3Y17ZswMXdhAfgC3jd5m5ZzaOdi

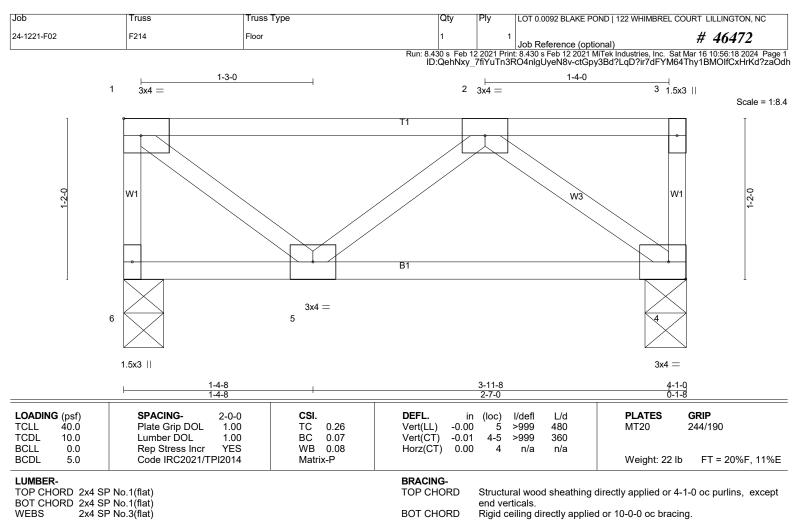
### LOAD CASE(S) Standard

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

Vert: 13-24=-8, 1-12=-80 Concentrated Loads (Ib)

Vert: 12=-250 27=-400(F)





#### REACTIONS. (lb/size) 6=218/0-3-8 (min. 0-1-8), 4=218/0-3-8 (min. 0-1-8)

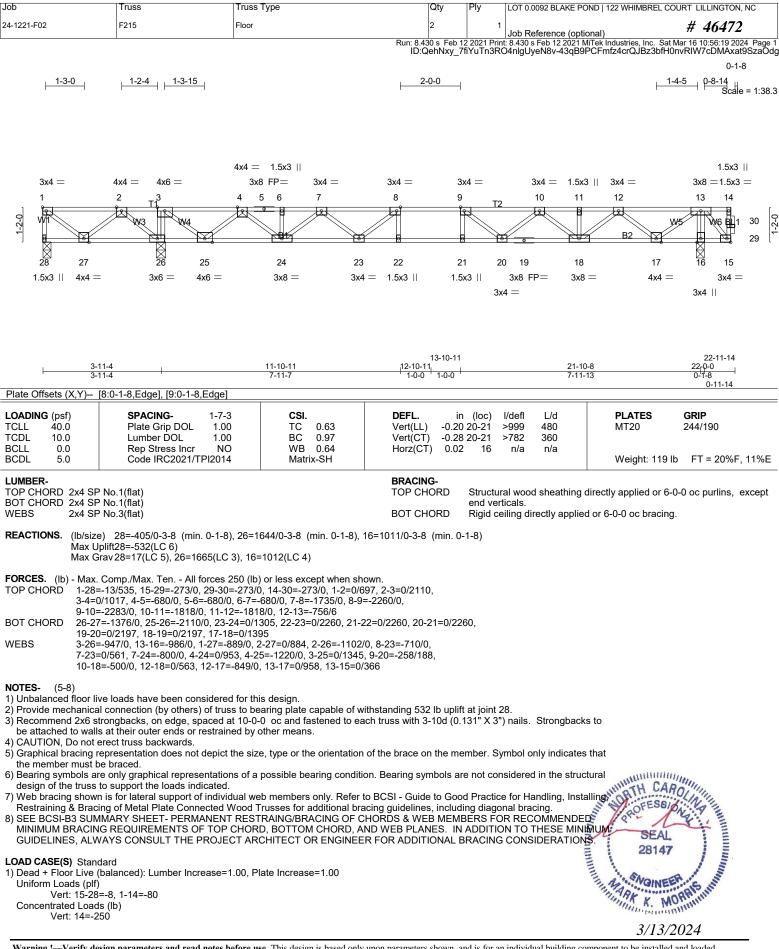
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. WEBS 2-4=-300/0

NOTES- (2-5)

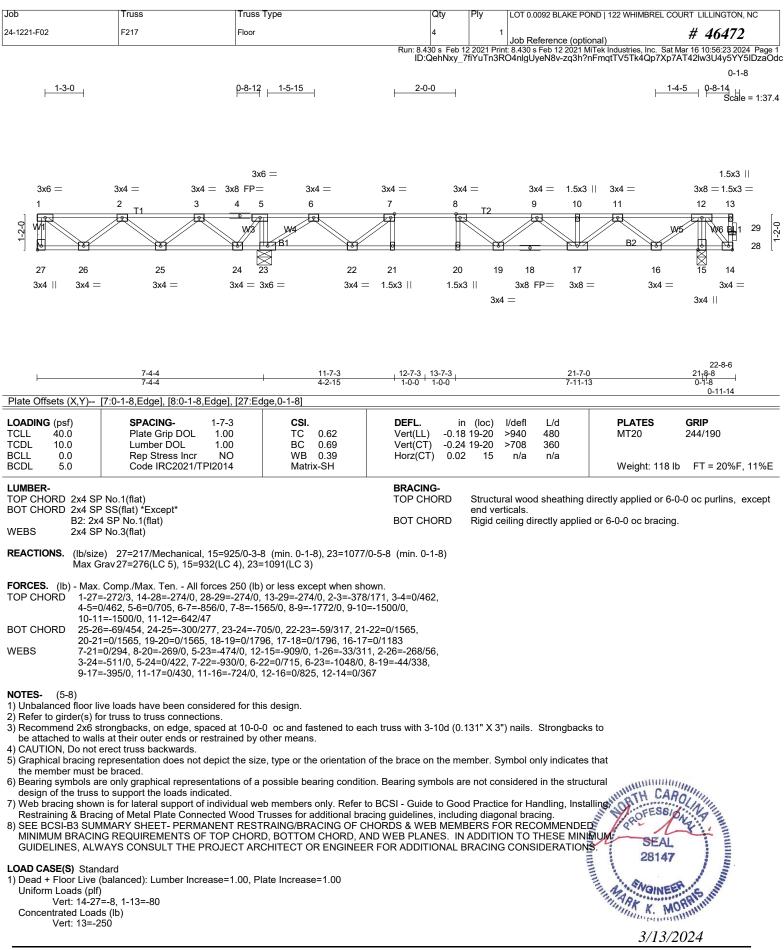
- 1) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
- 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.
- 4) 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.
- 5) 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.

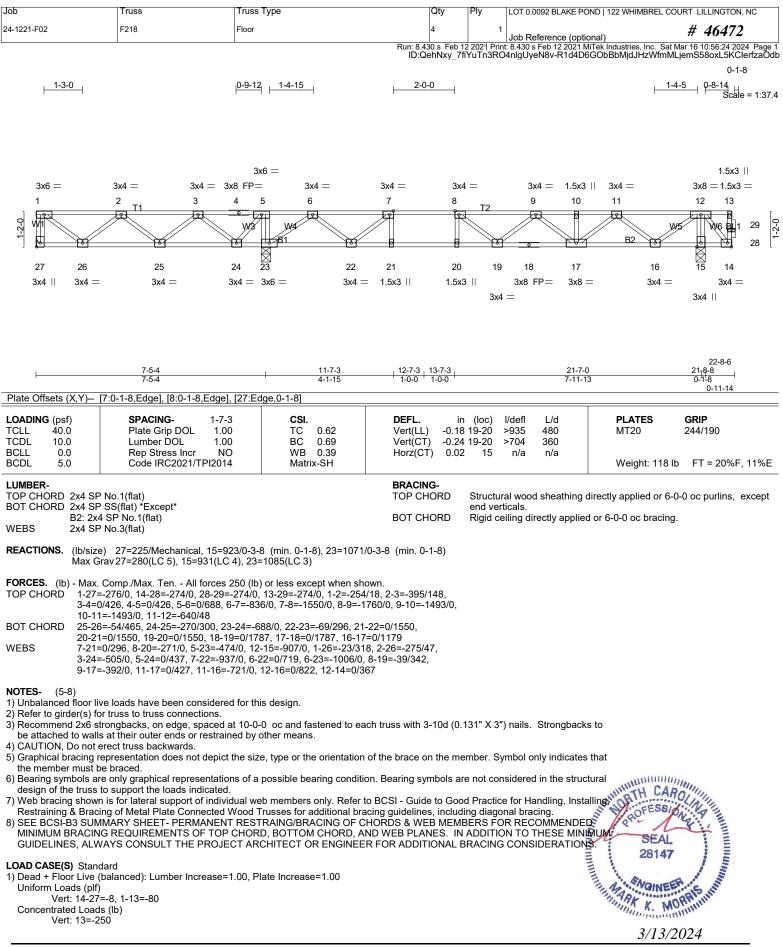
LOAD CASE(S) Standard

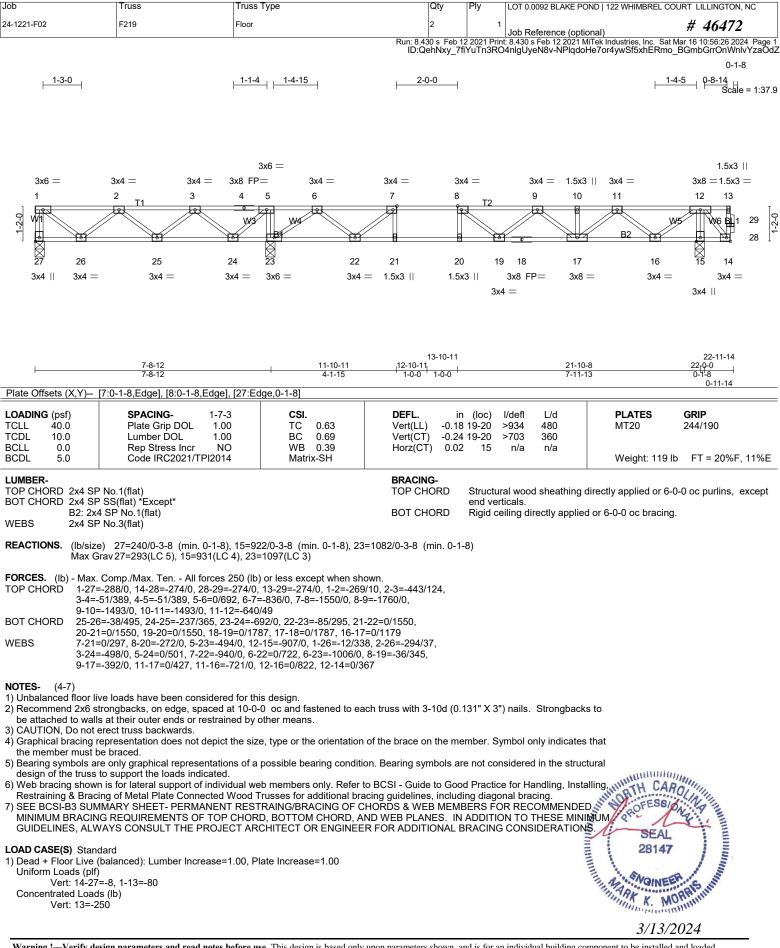


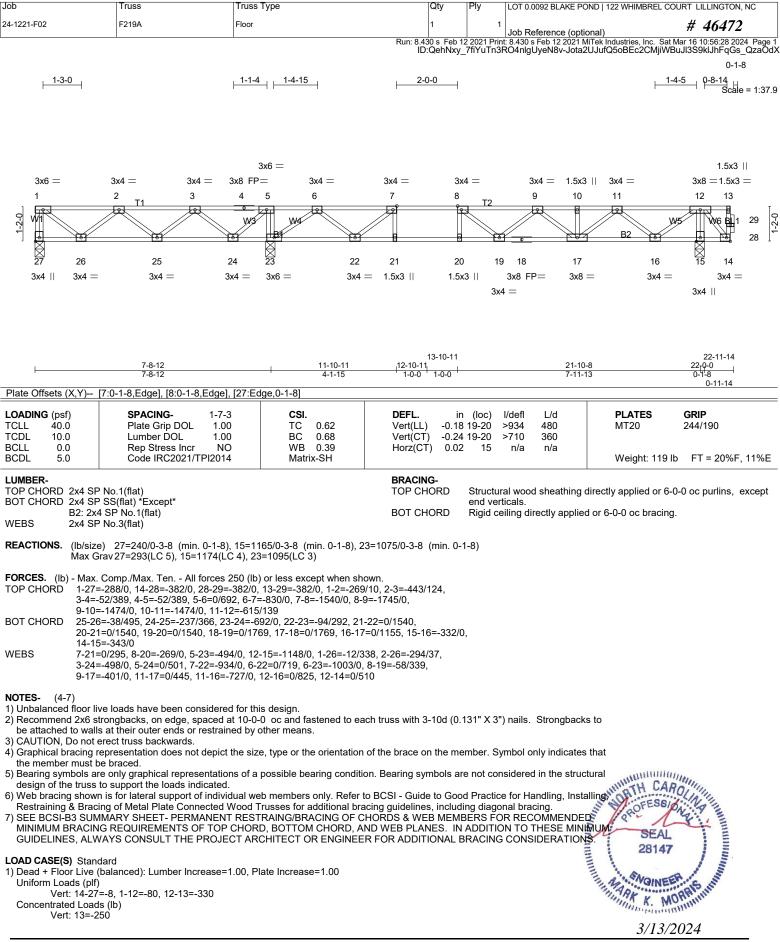


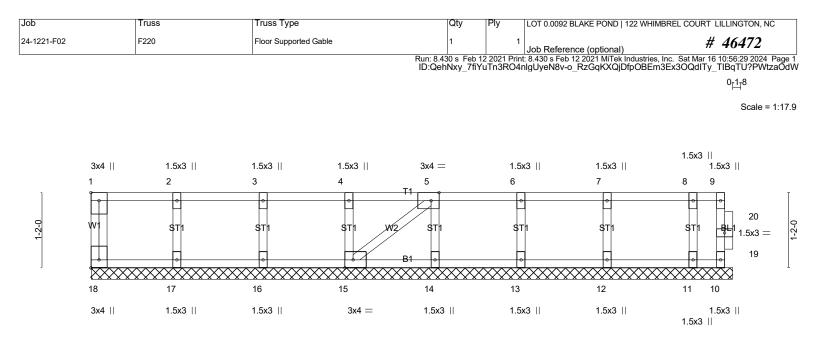
Job	Truss	Truss Type	Qty	Ply	LOT 0.0092 BLAKE PON	ID   122 WHIMBREL C	OURT LILLINGTON, NC
24-1221-F02	F216	Floor	1	1			# 46472
	1		Run: 8.430 s Feb ID:QehN	12 2021 Prir xy 7fiYuTr	Job Reference (option ht: 8.430 s Feb 12 2021 Mi h3RO4nlgUyeN8v-1Syx	iai) Fek Industries, Inc. Sa a5DVIGDns9aiIO53	t Mar 16 10:56:21 2024 Page 1 3ki59iF?cbZ2fdF3_EKzaOde
0-10-0	1-3-0	2-0-0		<u>,</u>	5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5		<u>0-8-14</u> 0- <u>1</u> -8
							Scale = 1:28.4
	04						
3x4    3x4 =	3x4 = 3x8 FP=	3x4 =	3x4 =	3x4 =	1.5x3    3x4 =	=	1.5x3    3x10 = 1.5x3 =
	3 4	5	6 T2	7	8 9		10 11
0- W1 W2						Wa	
		B1 6				B2 8	
			10 17		45		
22 3x6 =	21 3x4 =	20 19 3x4 = 1.5x3	18 17 1.5x3    3x4 =	16 3x8 FP=	15 = 3x8 =	14 3x6 =	년3월 12 3x4    3x4 =
							17-3-11
	6-2-8 6-2-8	+ 7-2-8 + 8-2-8 + 1-0-0 + 1-0-0 xol [6:0, 1, 8 Edgo]			<u>16-2-5</u> 7-11-13		<u>16-3-13</u> 0-1-80-11-14
LOADING (psf)	[1:Edge,0-1-8], [5:0-1-8,Edg		DEEL	n (loo)			GRIP
TCLL 40.0	Plate Grip DOL 1	7-3 <b>CSI.</b> .00 TC 0.48	Vert(LL) -0.2		l/defl L/d >989 480	PLATES MT20	244/190
TCDL 10.0 BCLL 0.0	Rep Stress Incr	.00 BC 0.93 NO WB 0.49	Vert(CT) -0.2 Horz(CT) 0.0		>743 360 n/a n/a		
BCDL 5.0	Code IRC2021/TPI2	014 Matrix-SH				Weight: 90 lt	p FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 S			BRACING- TOP CHORD			rectly applied or 6	-0-0 oc purlins, except
BOT CHORD 2x4 S WEBS 2x4 S	P No.3(flat)		BOT CHORD		eiling directly applied		ng, Except:
	ze) 22=683/Mechanical, 13			6-0-0 0	c bracing: 13-14,12-1	3.	
	Grav 22=700(LC 3), 13=1297	. ,					
		es 250 (lb) or less except when s 24=-381/0, 2-3=-1253/0, 3-4=-12		=-2618/0,	6-7=-2541/0,		
	1968/0, 8-9=-1968/0, 9-10= 22=0/633, 20-21=0/1841, 19-	:-792/80 20=0/2618, 18-19=0/2618, 17-18	3=0/2618, 16-17=0/2392	2, 15-16=0	)/2392, 14-15=0/1484	·,	
	4=-330/0, 12-13=-342/0  3=-1267/0, 5-20=-636/0, 4-2	0=0/485, 4-21=-766/0, 2-21=0/80	07, 2-22=-935/0, 6-17=-	396/118,	7-17=0/337,		
7-15	5=-562/0, 9-15=0/652, 9-14=	920/0, 10-14=0/1032, 10-12=0/5	609				
<b>NOTES-</b> (5-8) 1) Unbalanced floor	live loads have been conside	ered for this design.					
2) Refer to girder(s)	for truss to truss connections		each truss with 3-10d (0	.131" X 3'	) nails. Strongbacks	to	
be attached to wa	Ils at their outer ends or rest rect truss backwards.				,		
	representation does not dep	ict the size, type or the orientatio	on of the brace on the m	ember. Sy	mbol only indicates t	hat	
6) Bearing symbols a		tions of a possible bearing condi	ition. Bearing symbols a	re not cor	nsidered in the structu	ıral	
7) Web bracing show	vn is for lateral support of inc	ividual web members only Refer	r to BCSI - Guide to Go	od Practic	e for Handling, Install	ing,	
8) SEE BCSI-B3 SU	MMARY SHEET- PERMANE	ed Wood Trusses for additional b NT RESTRAING/BRACING OF	CHORDS & WEB MEN	IBERS FC	R RECOMMENDED	WINNINGTH CA	Routh
GUIDELINES, AL	NG REQUIREMENTS OF TO WAYS CONSULT THE PRO	d Wood Trusses for additional b ENT RESTRAING/BRACING OF OP CHORD, BOTTOM CHORD, JECT ARCHITECT OR ENGINE	ER FOR ADDITIONAL		CONSIDERATIONS	OFESS/	PN 19 11
LOAD CASE(S) Star	ndard				III III	CEAL	- Cit
1) Dead + Floor Live Uniform Loads (pl		e=1.00, Plate Increase=1.00			7mm	28147	
Vert: 12-2 Concentrated Loa	Ź=-8, 1-10=-80, 10-11=-330 ds (lb)				All of		
Vert: 11=-					- Thurston	APLANDINE	CORIS INT
						Mining K. N	2024
						3/13/	2024
Warning !—Verify d	lesign parameters and read not	es before use. This design is based on	ly upon parameters shown,	and is for a	n individual building com	ponent to be installed	d and loaded











<b>├</b> ───			9-11-6		
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	<b>CSI.</b> 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 - n/a 999	PLATES         GRIP           MT20         244/190           Weight: 46 lb         FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(flat) WEBS 2x4 SP No.3(flat) OTHERS 2x4 SP No.3(flat)			BRACING- TOP CHORD BOT CHORD	end verticals.	thing directly applied or 9-11-6 oc purlins, except applied or 10-0-0 oc bracing.

0-11-6

# REACTIONS. All bearings 9-11-6.

(lb) - Max Uplift All uplift 100 lb or less at joint(s) 10

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

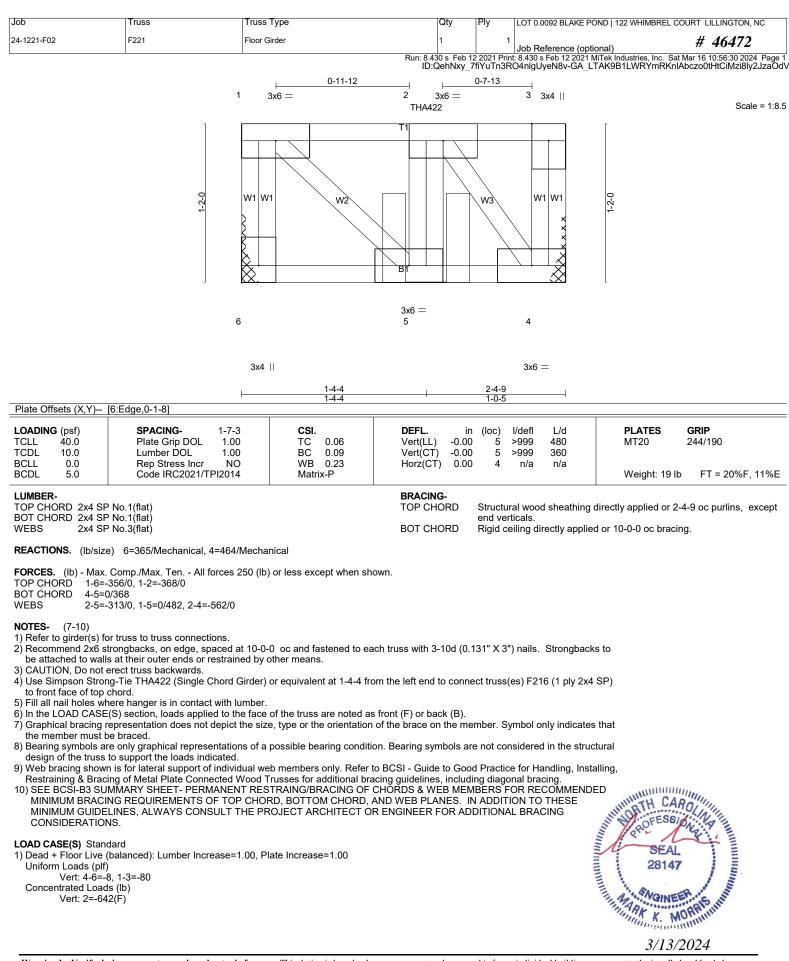
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

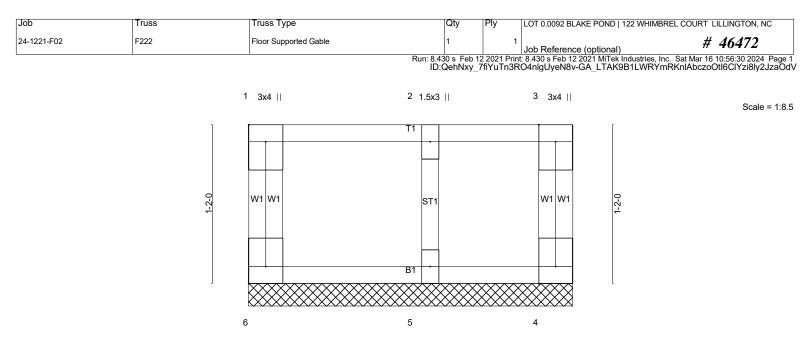
### NOTES- (7-10)

- 1) Gable requires continuous bottom chord bearing.
- 2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 3) Gable studs spaced at 1-4-0 oc.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10.
- 5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 6) CAUTION, Do not erect truss backwards.
- 7) 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.
- 8) 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.
- 9) 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.
- 10) 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







3x4 ||

1.5x3 ||

2-4-9Plate Offsets (X,Y)-- [1:Edge,0-1-8], [6: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	<b>CSI.</b> TC 0.04 BC 0.01 WB 0.03 Matrix-R	DEFL. i Vert(LL) n/ Vert(CT) n/ Horz(CT) 0.0	a - n/a 999	-	<b>GRIP</b> 244/190 FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF WEBS 2x4 SE			BRACING- TOP CHORD	Structural wood sheathing end verticals. Bigid ceiling directly applie	, , , ,	1 / 1

2-4-9

OTHERS 2x4 SP No.3(flat) Rigid ceiling directly applied or 10-0-0 oc brac

3x4 ||

REACTIONS. (lb/size) 6=65/2-4-9 (min. 0-1-8), 4=49/2-4-9 (min. 0-1-8), 5=119/2-4-9 (min. 0-1-8)

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 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

D'Onofrio Drive, Madison, WI 53719.

