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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 #: 46675 JOB: 24-2119-F02 JOB NAME: LOT 0.0105 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. *16 Truss Design(s)* 

Trusses:

F201, F202, F203, F204, F206, F207, F208, F209, F210, F211, F212, F213, F214, F215, F216, F217



### 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 0.0105 BLAKE	POND   92 FROST MEADOV	WWAY LILLINGTON, NC
24-2119-F02	F201	Floor Supported Gable	1	1	Job Reference (or	otional)	# 46675
0- <u>1</u> -8	1		Run: 8.430 s Fe ID:Wl8rkg6Bł	55SaRYCYG	: 8.430 s Feb 12 2021	MiTek Industries, Inc. Mon M	vlar 18 20:48:07 2024 Page 1 GHfm?2yVTXYhdPczZbms Scale = 1:28.7
$1.5x3    \\ 1.5x3 = 1.5x3    \\ 1 2 \\ 1 2 \\ 31 \\ 1 5 \\ 1 2 \\ 1 5 \\$	Т1 3 4 5 Т1 0 0 0 ST1 ST1 0 0 0	6 7 8 STT1 ST1 W2 ST B1 6 6 6	9	1.5x3    10 T2 ST1 - 0 ST2 ST1	1.5x3    1.5x 11 12 ST1 ST 6 6	13 13 13 11 15 15 15 15 15 15 15 15 15 15 15 15	-5x3    3x4    14 15 511 W1
30 29	28 27	26 25 24		21	20 19		17 16
3x4    1.5x3	1.5x3    1.5x3	1.5x3    3x4 = 1.5x		P= 1.5x3	1.5x3    1.5x	3    1.5x3    1.	.5x3    3x4
			1.5x3	1.000			
			17-5-12 17-5-12				
Plate Offsets (X,Y) [8:	0-1-8,Edge], [25:0-1-8,Edge]	, [30:Edge,0-1-8]	1			1	
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 0.07 BC 0.01 WB 0.03 Matrix-SH	Vert(CT)	in (loc) n/a - n/a - .00 16	l/defl L/d n/a 999 n/a 999 n/a n/a		<b>GRIP</b> 244/190 FT = 20%F, 11%E

LUMBER-

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

BRACING-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 17-5-12.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 30, 16, 29, 28, 27, 26, 25, 24, 23, 21, 20, 19, 18, 17

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

NOTES-(6)

Gable requires continuous bottom chord bearing.
 Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).

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

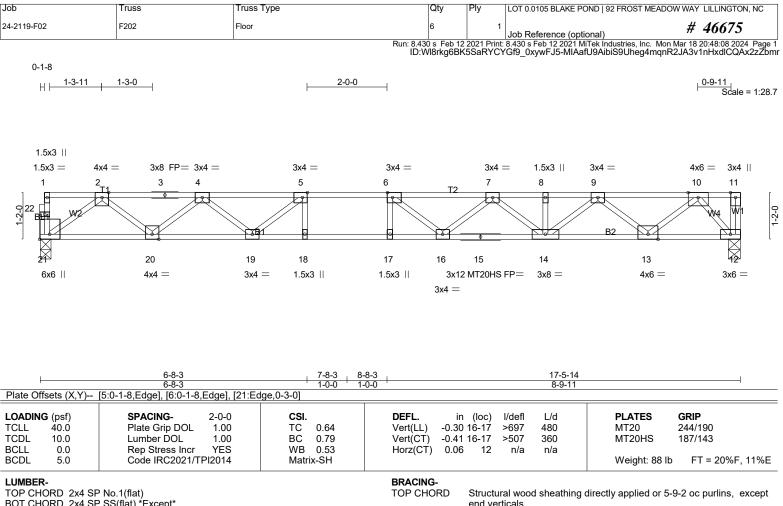
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



3/18/2024



BOT CHORD

BOT CHORD 2x4 SP SS(flat) \*Except\* B2: 2x4 SP No.1(flat)

WEBS 2x4 SP No.3(flat)

**REACTIONS.** (lb/size) 21=942/0-3-6 (min. 0-1-8), 12=948/0-3-8 (min. 0-1-8)

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

TOP CHORD 2-3=-2028/0, 3-4=-2028/0, 4-5=-3259/0, 5-6=-3830/0, 6-7=-3780/0, 7-8=-3111/0, 8-9=-3111/0, 9-10=-1700/0

BOT CHORD 20-21=0/1226, 19-20=0/2785, 18-19=0/3830, 17-18=0/3830, 16-17=0/3830, 15-16=0/3619, 14-15=0/3619, 13-14=0/2529, 12-13=0/837

WEBS 5-18=-65/292, 6-17=-260/97, 5-19=-879/0, 4-19=0/650, 4-20=-986/0, 2-20=0/1044, 2-21=-1514/0, 6-16=-424/231, 7-16=0/374, 7-14=-648/0, 9-14=0/744, 9-13=-1079/0, 10-13=0/1122, 10-12=-1256/0

#### **NOTES-** (5)

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

2) All plates are MT20 plates unless otherwise indicated.

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

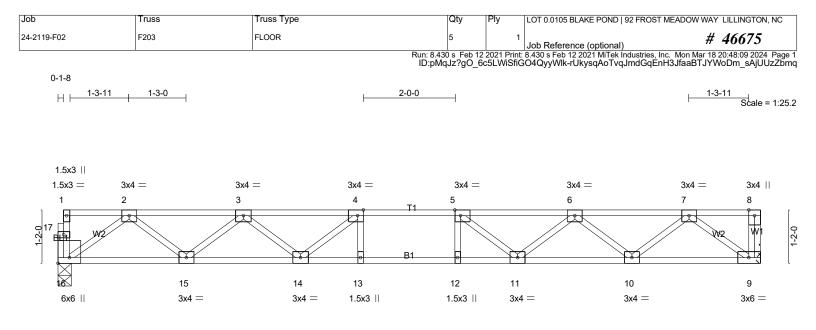
be attached to walls at their outer ends or restrained by other means.

CAUTION, Do not erect truss backwards.

#### LOAD CASE(S) Standard



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



I.	6-8-3	1	7-8-3	8-8-3	1	5-4-6	1
r	6-8-3	1	1-0-0	1-0-0	(	5-8-3	-
Plate Offsets (X,Y)	[4:0-1-8,Edge], [5:0-1-8,Edge], [16:Ed	lge,0-3-0]					
LOADING (psf)           TCLL         40.0           TCDL         10.0           BCLL         0.0           BCDL         5.0	SPACING- 1-4-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2018/TPI2014	<b>CSI.</b> TC 0.24 BC 0.51 WB 0.28 Matrix-SH	V V	/ert(LL) -0.11	(loc) l/defl L/d 11-12 >999 480 12-13 >999 360 9 n/a n/a	PLATES         GRIP           MT20         244/190           Weight: 77 lb         FT = 20%	F, 11%E
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF WEBS 2x4 SF			T	BRACING- OP CHORD	Structural wood sheathing end verticals. Rigid ceiling directly applie	directly applied or 6-0-0 oc purlins, ed or 10-0-0 oc bracing.	except

## REACTIONS. (lb/size) 16=550/0-3-8 (min. 0-1-8), 9=554/Mechanical

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

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TOP CHORD 2-3=-1153/0, 3-4=-1785/0, 4-5=-1990/0, 5-6=-1785/0, 6-7=-1154/0

BOT CHORD

15-16=0/707, 14-15=0/1576, 13-14=0/1990, 12-13=0/1990, 11-12=0/1990, 10-11=0/1576, 9-10=0/708

4-14=-387/0, 3-14=0/314, 3-15=-550/0, 2-15=0/580, 2-16=-873/0, 5-11=-387/0, 6-11=0/314, 6-10=-550/0, 7-10=0/580, 2-16=-873/0, 5-11=-387/0, 6-11=0/314, 6-10=-550/0, 7-10=0/580, 2-16=-873/0, 5-11=-387/0, 6-11=0/314, 6-10=-550/0, 7-10=0/580, 2-16=-873/0, 5-11=-387/0, 6-11=0/314, 6-10=-550/0, 7-10=0/580, 2-16=-873/0, 5-11=-387/0, 5-11=-387/0, 5-11=-387/0, 5-11=-387/0, 5-11=-387/0, 5-11=-387/0, 5-11=-387/0, 5-11=-387/0, 5-11=-387/0, 5-10=-550/0, 7-10=0/580, 2-16=-873/0, 5-11=-387/0, 5-11=-387/0, 5-11=-387/0, 5-11=-387/0, 5-11=-387/0, 5-11=-387/0, 5-11=-387/0, 5-11=-387/0, 5-10=-550/0, 7-10=0/580, 2-16=-873/0, 5-11=-387/0, 5-11=-387/0, 5-11=-387/0, 5-10=-550/0, 7-10=0/580, 5-10=-550/0, 7-10=0/580, 5-10=-550/0, 7-10=0/580, 5-10=-550/0, 7-10=0/580, 5-10=-550/0, 5-10=-50/0, 5-10-50/0, 5-10-50/0, 5-10-50/0, 5-10-50/0, 5-10-50/0, 5-10-50/0, 5-10-50/0, 5-10-50/0, 5-10-50/0, 5-10-50/0, 5-100/0, 5-10-50/0, 5-10-50/ WEBS 7-9=-875/0

#### NOTES-(6)

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

2) Refer to girder(s) for truss to truss connections

3) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

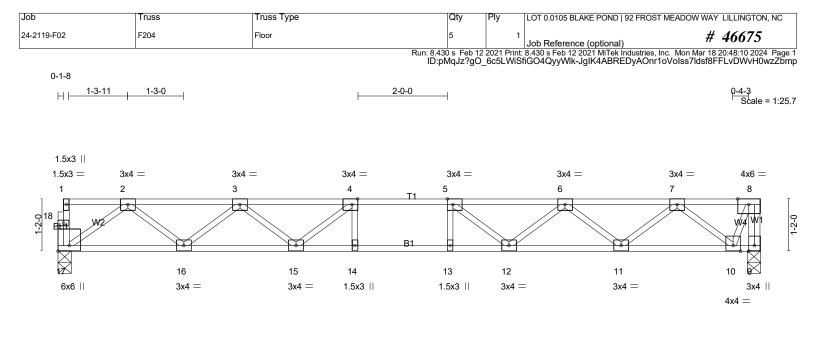
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

5) CAUTION, Do not erect truss backwards.

#### LOAD CASE(S) Standard



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	<u> </u>			<u> </u>	
Plate Offsets (X,Y)	[4:0-1-8,Edge], [5:0-1-8,Edge], [17:Ed	lge,0-3-0]			
LOADING (psf)           TCLL         40.0           TCDL         10.0           BCLL         0.0           BCDL         5.0	SPACING- 1-4-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2018/TPI2014	<b>CSI.</b> TC 0.26 BC 0.56 WB 0.28 Matrix-SH	Vert(LL) -0.4	in (loc) l/defl L/d 12 12-13 >999 480 16 12-13 >999 360 03 9 n/a n/a	PLATES         GRIP           MT20         244/190           Weight: 79 lb         FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF WEBS 2x4 SE			BRACING- TOP CHORD	Structural wood sheathing o end verticals. Rigid ceiling directly applied	directly applied or 6-0-0 oc purlins, except

2x4 SP No.3(flat)

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

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REACTIONS. (lb/size) 9=565/0-3-8 (min. 0-1-8), 17=561/0-3-8 (min. 0-1-8)

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

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TOP CHORD 8-9=-566/0, 2-3=-1181/0, 3-4=-1839/0, 4-5=-2067/0, 5-6=-1886/0, 6-7=-1281/0

BOT CHORD 16-17=0/723, 15-16=0/1614, 14-15=0/2067, 13-14=0/2067, 12-13=0/2067, 11-12=0/1691, 10-11=0/851

4-15=-413/0, 3-15=0/330, 3-16=-565/0, 2-16=0/596, 2-17=-891/0, 5-12=-371/0, 6-12=0/305, 6-11=-533/0, 7-11=0/559, WEBS 7-10=-798/0, 8-10=0/576

#### NOTES-(5)

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

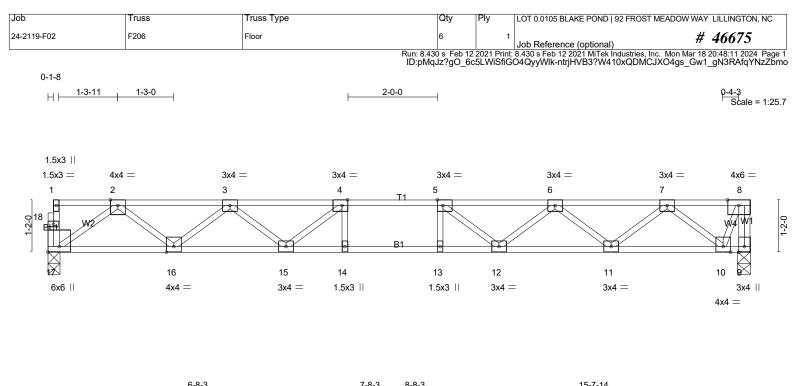
2) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1

3) 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.

4) CAUTION, Do not erect truss backwards.

### LOAD CASE(S) Standard





	6-8-3	/ <i>1-</i> 8		15-7-	
I	6-8-3	' 1-0	-0 ' 1-0-0 '	6-11	-11
Plate Offsets (X,Y)	[4:0-1-8,Edge], [5:0-1-8,Edge], [17:Ed	lge,0-3-0]			
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES	<b>CSI.</b> TC 0.41 BC 0.83 WB 0.43	Vert(LL) -0.1	in (loc) l/defl L/d 18 12-13 >999 480 24 12-13 >772 360 55 9 n/a n/a	PLATES         GRIP           MT20         244/190
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH			Weight: 79 lb FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SI BOT CHORD 2x4 SI WEBS 2x4 SI			BRACING- TOP CHORD BOT CHORD	Structural wood sheathing c end verticals. Rigid ceiling directly appliec	lirectly applied or 6-0-0 oc purlins, except I or 10-0-0 oc bracing.

REACTIONS. (lb/size) 9=847/0-3-8 (min. 0-1-8), 17=841/0-3-6 (min. 0-1-8)

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

TOP CHORD 8-9=-849/0, 2-3=-1771/0, 3-4=-2758/0, 4-5=-3101/0, 5-6=-2829/0, 6-7=-1921/0, 7-8=-358/0

BOT CHORD 16-17=0/1084, 15-16=0/2422, 14-15=0/3101, 13-14=0/3101, 12-13=0/3101, 11-12=0/2536, 10-11=0/1277

4-15=-620/0, 3-15=0/496, 3-16=-847/0, 2-16=0/894, 2-17=-1337/0, 5-12=-556/0, 6-12=0/457, 6-11=-800/0, 7-11=0/839, WEBS 7-10=-1197/0, 8-10=0/864

NOTES-(4)

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

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

be attached to walls at their outer ends or restrained by other means. 3) CAUTION, Do not erect truss backwards

LOAD CASE(S) Standard



3/18/2024

Job	Trus	s	1	Truss Type			Qty	Ply	LOT 0.010	05 BLAKE POND   9	2 FROST MEADO	OW WAY LILLI	NGTON, NC	
24-2119-F02	F207		F	loor Supported Gable			1	1	Job Refe	erence (optional)		# 46		
						Run: 8.430 ID:pMqJz	) s Feb 122 ?gO_6c5l	2021 Print: WiSfiGC	8.430 s Fe 4QyyWlk	b 12 2021 MiTek Ind -F3P5VrChmqCu	dustries, Inc. Mor e5?PvwqmxHC	n Mar 18 20:48: 7DgTBjDnCg	12 2024 Pa IqOO5pzZl	ge 1 omn
0 <sub>1</sub> 1 <sub>7</sub> 8														
													Scale = 1:2	25.7
1.5x3														
	ix3	1.5x3	1.5x3	1.5x3	1.5x3	3x4 =	1.5x3	11	1.5x3	1.5x3	1.5x3	1.5x3	3x4	
1 2		3	4	5	6	7 T1 -	8		9	10	11	12	13	
	>	•	•	•	•		•		•	•	•	•	- T	Ī
ο <sup>27</sup> <sup>ζ</sup> Β <sup>Ω</sup> S	т1	ST1	ST1	ST1	ST1 W2	ST1	ST1		ST1	ST1	ST1	ST1	W1	1-2-0
						B1					•			
	$\sim \sim $	$\times$		XXXXXXXXX				XXXX	XXXX	XXXXXXXX	$\propto$	XXXXXX	XX	1
26 23	5	24	23	22	21	20	19		18	17	16	15	14	
3x4    1.5	ix3	1.5x3	1.5x3	1.5x3	3x4 =	1.5x3	1.5x3	П	1.5x3	1.5x3	1.5x3	1.5x3	3x4	

Plate Offsets (X.Y)	[7:0-1-8,Edge], [21:0-1-8,Edge], [26:E	Edge.0-1-81	15-7-12 15-7-12		I
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. i Vert(LL) n/. Vert(CT) n/. Horz(CT) 0.0	a - n/a 999	<b>PLATES GRIP</b> MT20 244/190 Weight: 69 lb FT = 20%F, 11%E
			BRACING- TOP CHORD BOT CHORD	Structural wood sheathing o end verticals. Rigid ceiling directly applied	directly applied or 6-0-0 oc purlins, except d or 10-0-0 oc bracing.

**REACTIONS.** All bearings 15-7-12.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 26, 14, 25, 24, 23, 22, 21, 20, 19, 18, 17, 16, 15

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

**NOTES-** (6)

1) Gable requires continuous bottom chord bearing.

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

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

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

5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



Job	Truss		Truss Type		C	Qty Ply	LOT 0.0105 BLAKE F	POND   92 FROST M	EADOW WAY LI	LLINGTON, NC
24-2119-F02	F208		Floor Supported	Gable	1	1	Job Reference (op	tional)		6675
					Run: 8.430 ID:pM	s Feb 12 2021 Prin qJz?gO_6c5LWi	l: 8.430 s Feb 12 2021 ∣ SfiGO4QyyWlk-jFzTi	MiTek Industries, Inc. BDJX8KkFFabTdL	Mon Mar 18 20: UVIIz4pPSg1?	48:13 2024 Page 1 MvU8xdFzZbmm
0 <sub>1</sub> 18										0 <sub>1</sub> 18
										Scale = 1:21.4
1.5x3										1.5x3
1.5x3 =	1.5x3	1.5x3	1.5x3	1.5x3	3x4 =	1.5x3	1.5x3	1.5x3	1.5x3	1.5x3 =
1	2	3	4	5	6 T1 -	7	8	9	10	11
	ST1	ST1	ST1	ST1 W	2 ST1 B10	ST1	ST1	ST1	ST1	
22	21	20	19	18	17	16	15	14	13	12
3x4	1.5x3	1.5x3	1.5x3	3x4 =	1.5x3	1.5x3	1.5x3	1.5x3	1.5x3	3x4
L					12-11-12					
Plate Offsets (X,			ao] [00:Edac 0.4	01	12-11-12					

Plate Offsets (X, Y)	[6:0-1-8,Edge], [18:0-1-8,Edge], [22:E	_age,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	<b>DEFL.</b> i Vert(LL) n/ Vert(CT) n/ Horz(CT) 0.0	a - n/a 999	PLATES         GRIP           MT20         244/190           Weight: 58 lb         FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF WEBS 2x4 SF			BRACING- TOP CHORD BOT CHORD	Structural wood sheathing of end verticals. Rigid ceiling directly applied	directly applied or 6-0-0 oc purlins, except d or 10-0-0 oc bracing.

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

REACTIONS. All bearings 12-11-12.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 22, 12, 21, 20, 19, 18, 17, 16, 15, 14, 13

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

NOTES-(5)

1) Gable requires continuous bottom chord bearing.

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

LOAD CASE(S) Standard



3/18/2024

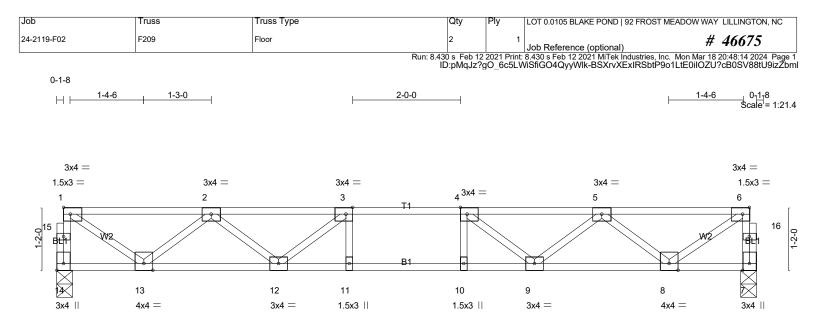


Plate Offsets (X,Y)	5-5-14 5-5-14 [3:0-1-8,Edge], [4:0-1-8,Edge], [6:0-1	6-5-1-   1-0-( -8,Edge], [14:Edge,0-1-8]	) 1-0-0		5-14
LOADING (psf)           TCLL         40.0           TCDL         10.0           BCLL         0.0           BCDL         5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.32 BC 0.58 WB 0.47 Matrix-SH	Vert(LL) -0.1	n (loc) l/defl L/d 0 11-12 >999 480 3 9-10 >999 360 3 7 n/a n/a	PLATES         GRIP           MT20         244/190           Weight: 65 lb         FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF WEBS 2x4 SF			BRACING- TOP CHORD BOT CHORD	Structural wood sheathing o end verticals. Rigid ceiling directly applied	directly applied or 6-0-0 oc purlins,except d or 10-0-0 oc bracing.

REACTIONS. (lb/size) 14=694/0-3-6 (min. 0-1-8), 7=694/0-3-6 (min. 0-1-8)

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

TOP CHORD 14-15=-688/0, 1-15=-687/0, 7-16=-688/0, 6-16=-687/0, 1-2=-836/0, 2-3=-1812/0, 3-4=-2109/0, 4-5=-1812/0,

5-6=-836/0

- BOT CHORD 12-13=0/1506, 11-12=0/2109, 10-11=0/2109, 9-10=0/2109, 8-9=0/1506
- WEBS 3-12=-507/0, 2-12=0/427, 2-13=-872/0, 1-13=0/984, 4-9=-507/0, 5-9=0/427, 5-8=-872/0, 6-8=0/984

#### NOTES-(3)

- 1) Unbalanced floor live loads have been considered for this design.
- 2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard



3/18/2024

Job	Truss	Truss Type		Qty	Ply	LOT 0.0105 BLA	KE POND   92 FR	OST MEADOW WAY	LILLINGTON, NC
24-2119-F02	F210	Floor		2	1	Job Reference	e (optional)	#	46675
		·	Run	: 8.430 s Feb ID:pMqJz	12 2021 Print: 8 2?gO_6c5LW	3.430 s Feb 12 2 iSfiGO4QyyW	021 MiTek Industri Ik-7qfcKDFBq3i	ies, Inc. Mon Mar 18 J6iIA8mvi57Nc5Ho	20:48:16 2024 Page 1 XfylobSMbEazZbmj
0-1-8									
H <sup>0-5-15</sup> 1-3-0	l		2-0-0		0-10-3			⊢1	-0-10_0-1-8 Scale: 3/8"=1'
									Scale. 5/6 – 1
3x4 =									
1.5x3	1.5x3	3x4 =							1.5x3
1.5x3 =	3x4 = 3x	3 FP=	3x4 =	3x4 =	3x8	=	3x4 =	3x4	= 1.5x3 =
1 2	3 4	5 6	7	8	т2 <sup>9</sup>		10	11	12
			Jel	R		₹	R		
9,25 € 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					WA		$//$ $\land$		
	9 <u> </u>	<b>B1</b>	9	6	r ta		Φ	<b>6</b> 7 <b>6</b> 2	
24 2	3 22	21	20	19	18 17	16	15	14	13
6x6    3x	4 = 3x8 =	3x4 =	1.5x3	1.5x3	3x4 = 3x4	.	3x8 FP=	3x4 =	6x6
						3x4 =	=		

			10-7-7	12-10-2			
	8-5-15	9-5-	15   10-5-15    11-8-1	12-8-10		19-3-4	
	8-5-15	1-0-	0 1-0-0 0-1-8 1-0-9	1-0-9 0-1 <mark>-</mark> 8		6-5-2	1
Plate Offsets (X,Y)	[7:0-1-8,Edge], [8:0-1-8,Edge], [13:Ed	lge,0-3-0], [24:Edge,0-3-0	)]				
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.83 BC 0.88 WB 0.38 Matrix-SH	Vert(LL) -0.25	n (loc) l/defl 520-21 >612 120-21 >451 3 13 n/a	L/d 480 360 n/a	PLATES MT20 Weight: 100 I	<b>GRIP</b> 244/190 b FT = 20%F. 11%E
						Weight. 1001	
LUMBER-			BRACING- TOP CHORD	Christen and success	al a la a a thaire ar	dine ethy emplied on C	
TOP CHORD 2x4 SF BOT CHORD 2x4 SF			TOP CHORD	end verticals.	a sneatning	directly applied or 6-	0-0 oc purlins, except
	4 SP No.1(flat) P No.3(flat)		BOT CHORD	Rigid ceiling di 6-0-0 oc bracir		d or 10-0-0 oc bracir -17.	ig, Except:
REACTIONS. (Ib/size	e) 24=697/0-3-6 (min. 0-1-8), 17=10	)35/0-3-8 (min. 0-1-8). 13	3=348/0-3-6 (min. 0-1	-8)			

Max Grav 24=703(LC 3), 17=1035(LC 1), 13=376(LC 7)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-1058/0, 3-4=-1954/0, 4-5=-1954/0, 5-6=-1954/0, 6-7=-2133/0, 7-8=-1724/0,

8-9=-668/0, 9-10=-476/0, 10-11=-559/0

- BOT CHORD 23-24=0/442, 22-23=0/1639, 21-22=0/2254, 20-21=0/1724, 19-20=0/1724, 18-19=0/1724, 15-16=0/698, 14-15=0/698, 13-14=0/384
- 7-20=-399/0, 8-19=0/456, 9-17=-914/0, 7-21=0/562, 6-22=-383/0, 3-22=0/402. WEBS 3-23=-756/0, 2-23=0/803, 2-24=-870/0, 8-18=-1360/0, 9-18=0/775, 9-16=0/408,

10-16=-376/0, 11-13=-511/0

NOTES-(4)

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

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

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

3) CAUTION. Do not erect truss backwards.

LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	LOT 0.0105 BLAKE POND   9	2 FROST MEADOW WAY LILLINGTON, NC
24-2119-F02	F211	Floor	5		Job Reference (optional)	# 46675
		Run:	8.430 s Feb 1 ID:pMqJz?gC	2 2021 Print: 8 D_6c5LWiSfi	.430 s Feb 12 2021 MiTek In GO4QyyWlk-c1D_YZGqb	dustries, Inc. Mon Mar 18 20:48:17 2024 Page 1 MqAkstNiTQxeLvtehy7ONexq669m0zZbmi
0-1-8						
H0 <mark>-5-15 1-3-0</mark>		2-0-0				0-9-5 0-1-8 Scale: 3/8"=1
						Scale. 3/6 - 1
3x6 =						
1.5x3	1.5x3	3x4 =				1.5x3
1.5x3 =	3x4 = 3x8	FP= 3x4 =	3x4 =	3	x4 = 1.5x3    3x	4 = 4x4 = 1.5x3 =
1 2	3 4 5	6 7	8	т2	9 10 11	12 13
			R			
0,25 CY E						
<u> </u> <u></u>	1	B1 8	•	<u>ه</u>		
24 23	22	21 20	19	18	17	16 15 14
6x6    3x6				3x4 =		10  13  14 18  FP = 4x4 = 6x6

Plate Offects (X V)	[7:0-1-8,Edge], [8:0-1-8,Edge], [24:Edge]	Inc 0 2 01	-0 1-0-0	0-3-5
Flate Offsets (A, T)	[7.0-1-0,Euge], [0.0-1-0,Euge], [24.Eu	ige,0-3-0]		
LOADING (psf)	<b>SPACING-</b> 1-7-3	CSI.	DEFL. in (loc) I/defl	L/d PLATES GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.46	Vert(LL) -0.31 19-20 >747	480 MT20 244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.92	Vert(CT) -0.42 19-20 >542 3	360
BCLL 0.0	Rep Stress Incr YES	WB 0.50	Horz(CT) 0.07 14 n/a	n/a
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH		Weight: 98 lb FT = 20%F, 11%E
LUMBER-			BRACING-	
TOP CHORD 2x4 SP BOT CHORD 2x4 SP			TOP CHORD Structural wood s end verticals.	heathing directly applied or 6-0-0 oc purlins, except
	PNo.3(flat)			ctly applied or 10-0-0 oc bracing, Except: 19-20.

9-5-15 10-5-15

1-0-0

1-0-0

REACTIONS. (lb/size) 24=831/0-3-6 (min. 0-1-8), 14=831/0-3-6 (min. 0-1-8)

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

8-5-15

8-5-15

TOP CHORD 2-3=-1325/0, 3-4=-2720/0, 4-5=-2720/0, 5-6=-2720/0, 6-7=-3509/0, 7-8=-3788/0, 8-9=-3565/0, 9-10=-2835/0,

10-11=-2835/0, 11-12=-1502/0 BOT CHORD 23-24=0/513, 22-23=0/2114, 21-22=0/3233, 20-21=0/3788, 19-20=0/3788, 18-19=0/3788, 17-18=0/3324, 16-17=0/2263, 15-16=0/2263, 14-15=0/717

WEBS 7-21=-579/9, 6-21=0/454, 6-22=-656/0, 3-22=0/773, 3-23=-1028/0, 2-23=0/1057, 2-24=-1008/0, 8-18=-531/57,

9-18=0/423, 9-17=-624/0, 11-17=0/730, 11-15=-990/0, 12-15=0/1022, 12-14=-1096/0

### **NOTES-** (3)

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

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

LOAD CASE(S) Standard



19-3-4

8-9-5

3/18/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0105 BLAKE POND   92 FROST MEADO	OW WAY LILLINGTON, NC
24-2119-F02	F212	Floor	5	1	Job Reference (optional)	# 46675
		Run: E IE	3.430 s Feb 12 D:pMqJz?gO	2 2021 Print: _6c5LWiSf	8.430 s Feb 12 2021 MiTek Industries, Inc. Mor iGO4QyyWlk-YPKkzFl47_5uzA1lquSPjm?	Mar 18 20:48:19 2024 Page 1 PD7VeZrH8EHPbFqvzZbmg
0-1-8						
H0-5-15 1-3-0		2-0-0				0-9-7 Scale: 3/8"=1'
						Scale. 5/6 – 1
3x6 =						
1.5x3	1.5x3	3x4 =				
1.5x3 =	$3x4 \equiv 3x8$	FP= 3x4 =	$3x4 \equiv$		3x4 = 1.5x3    3x4 =	$4x4 \equiv 3x4 \parallel$
1 2	3 4 5	6 7	8	Т2	9 10 11	12 13
			R			
0,25 C, 25 B 1,07 C, 25 C, 10 C, 25 C, 10 C, 10				//		
μω/μ_ Γε	7	B1 _	•	Ŭ		∑ <u>B2</u>
24 23	3 22	21 20	19	18	17 16 15	
6x6    3x	6 = 3x8 =	3x4 = − 1.5x3	1.5x3	3x4 =	3x8 = 3x8 FP= 4x4 =	= 3x6 =

1	0-0-10	1 9	-5-15 10-5-15	19-3-0	)	1
	8-5-15	' 1	1-0-0 ' 1-0-0 '	8-9-7		1
Plate Offsets (X,Y)	[7:0-1-8,Edge], [8:0-1-8,Edge], [24:E	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	<b>CSI.</b> TC 0.46 BC 0.92 WB 0.50 Matrix-SH	Vert(LL) -0.3	n (loc) l/defl L/d 1 19-20 >745 480 2 19-20 >541 360 7 14 n/a n/a		<b>RIP</b> 44/190 FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF WEBS 2x4 SF			BRACING- TOP CHORD BOT CHORD	Structural wood sheathing d end verticals. Rigid ceiling directly applied 2-2-0 oc bracing: 19-20.		1 / 1

9-5-15 10-5-15

REACTIONS. (lb/size) 24=832/0-3-6 (min. 0-1-8), 14=837/0-3-8 (min. 0-1-8)

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

8-5-15

TOP CHORD 2-3=-1326/0, 3-4=-2722/0, 4-5=-2722/0, 5-6=-2722/0, 6-7=-3512/0, 7-8=-3792/0, 8-9=-3570/0, 9-10=-2841/0,

10-11=-2841/0, 11-12=-1510/0 BOT CHORD 23-24=0/513, 22-23=0/2116, 21-22=0/3236, 20-21=0/3792, 19-20=0/3792, 18-19=0/3792, 17-18=0/3330, 16-17=0/2270, 15-16=0/2270, 14-15=0/725

WEBS 7-21=-581/9, 6-21=0/455, 6-22=-656/0, 3-22=0/774, 3-23=-1028/0, 2-23=0/1058, 2-24=-1008/0, 8-18=-531/59,

9-18=0/423, 9-17=-624/0, 11-17=0/730, 11-15=-989/0, 12-15=0/1022, 12-14=-1101/0

### NOTES- (4)

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

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

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

3) CAUTION, Do not erect truss backwards.

### LOAD CASE(S) Standard



10-3-6

Job	Truss	Truss Type	Qty	Ply LOT	T 0.0105 BLAKE POND   92 FROST MEADO	OW WAY LILLINGTON, NC
24-2119-F02	F213	Floor	3	1 Job	b Reference (optional)	# 46675
		Run: 8	3.430 s Feb 12 pMqJz?gO	2021 Print: 8.43 6c5LWiSfiGO	30 s Feb 12 2021 MiTek Industries, Inc. Mon 4QyyWlk-0cu6AaliuHDlbKcyNbzeGzX	Mar 18 20:48:20 2024 Page 1 PKu_bakXOW3KpNLzZbmf
0-1-8						
H <mark>9-5-15 1-3-0</mark>	1	2-0-0	—			0-5-15 Scale = 1:31.2
						Scale - 1.31.2
$4x4 \equiv$						
1.5x3	1.5x3	3x4 =				4x4 =
1.5x3 =	3x4 = 3x8	P= 3x4 =	3x4 =	3	8x4 = 1.5x3    3x4 =	3x4
1 2	3 4 5	6 7	8	то <sup>6</sup>	9 10 11	12 13
			- E			
9 25 <b>BEAV</b> 2						
		B1		$\overline{\mathbf{M}}$		
24 2						
24 2	3 22	21 20	19	18	17 16 15	14
6x6    4x	≪4 = 3x8 =	3x4 = − 1.5x3	1.5x3	$3x4 \equiv$	3x8 = 3x8 FP= 4x4	4 = 3x6 =

0-5-15	3-5-15 10-5-15	10-11-14	1
8-5-15	1-0-0 1-0-0	8-5-15	1
Plate Offsets (X,Y) [7:0-1-8,Edge], [8:0-1-8,Edge], [24:Edge	-3-0]		
LOADING (psf)         SPACING-         1-7-3           TCLL         40.0         Plate Grip DOL         1.00           TCDL         10.0         Lumber DOL         1.00           BCLL         0.0         Rep Stress Incr         YES	TC         0.43         Vert(LL)         -0.1           BC         0.87         Vert(CT)         -0.1           WB         0.49         Horz(CT)         0.1	29 19-20 >785 480 MT20 24 40 19-20 >569 360 07 14 n/a n/a	<b>RIP</b> 14/190
BCDL 5.0 Code IRC2021/TPI2014	Matrix-SH	Weight: 98 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)	BRACING- TOP CHORD BOT CHORD	Structural wood sheathing directly applied or 6-0-0 end verticals. Rigid ceiling directly applied or 10-0-0 oc bracing.	oc purlins, except

9-5-15 10-5-15

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

18-11-14

### REACTIONS. (lb/size) 24=819/0-3-6 (min. 0-1-8), 14=824/Mechanical

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

8-5-15

TOP CHORD 2-3=-1303/0, 3-4=-2667/0, 4-5=-2667/0, 5-6=-2667/0, 6-7=-3426/0, 7-8=-3678/0, 8-9=-3426/0, 9-10=-2667/0,

- 10-11=-2667/0, 11-12=-1303/0 BOT CHORD 23-24=0/505, 22-23=0/2077, 21-22=0/3168, 20-21=0/3678, 19-20=0/3678, 18-19=0/3678, 17-18=0/3168, 16-17=0/2077, 15-16=0/2077, 14-15=0/506
- WEBS 7-21=-549/27. 6-21=0/434. 6-22=-640/0. 3-22=0/753. 3-23=-1008/0. 2-23=0/1038. 2-24=-994/0. 8-18=-549/27.

9-18=0/434, 9-17=-640/0, 11-17=0/752, 11-15=-1008/0, 12-15=0/1038, 12-14=-989/0

#### NOTES-(5)

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

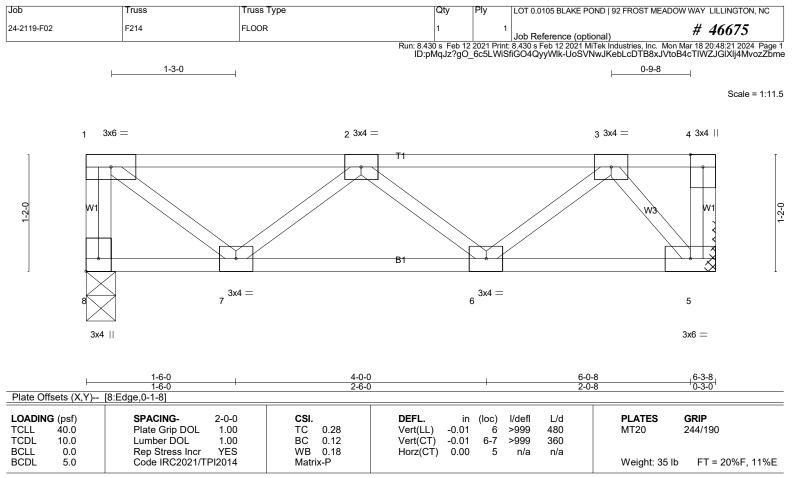
2) Refer to girder(s) for truss to truss connections.

- 3) 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.
- 4) CAUTION, Do not erect truss backwards.

#### LOAD CASE(S) Standard



3/18/2024



#### LUMBER-

TOP CHORD2x4 SP No.1(flat)BOT CHORD2x4 SP No.1(flat)WEBS2x4 SP No.3(flat)

BRACING-TOP CHORD Structura end vert BOT CHORD Rigid ce

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

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

REACTIONS. (lb/size) 8=332/0-3-8 (min. 0-1-8), 5=332/Mechanical

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

TOP CHORD 1-8=-327/0, 1-2=-295/0, 2-3=-422/0

BOT CHORD 6-7=0/538, 5-6=0/275

WEBS 1-7=0/370, 2-7=-317/0, 3-5=-416/0

#### **NOTES-** (3)

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

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

LOAD CASE(S) Standard



3/18/2024

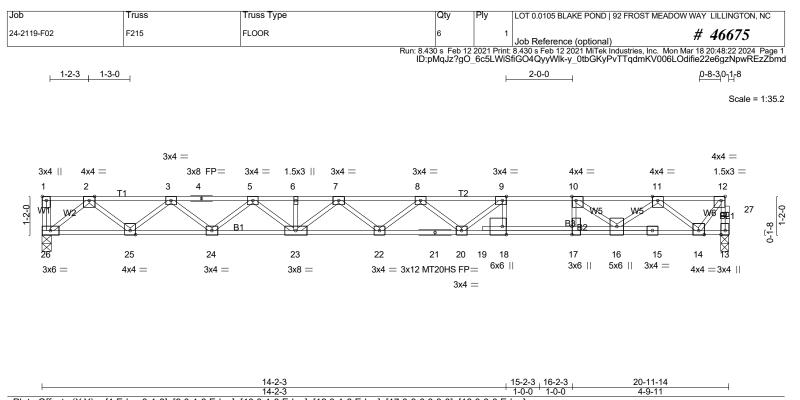


Plate Offsets (X,Y)	[1:Edge,0-1-8], [9:0-1-8,Edge], [10:0-	1-8,Edge], [12:0-1-8,Edg	e], [17:0-3-0,0-0-0], [18:0-3-0,Edge]
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 1-6-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	<b>CSI.</b> TC 0.64 BC 1.00 WB 0.49 Matrix-SH	DEFL.         in         (loc)         l/defl         L/d           Vert(LL)         -0.43         22         >575         480         MT20         244/190           Vert(CT)         -0.60         22         >418         360         MT20HS         187/143           Horz(CT)         0.08         13         n/a         n/a         Weight: 113 lb         FT = 20%F, 11%
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF WEBS 2x4 SF			BRACING-         TOP CHORD       Structural wood sheathing directly applied or 5-7-1 oc purlins, exception of verticals.         BOT CHORD       Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 2-2-0 oc bracing: 18-20.

REACTIONS. (lb/size) 26=856/0-3-8 (min. 0-1-8), 13=851/0-3-6 (min. 0-1-8)

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

TOP CHORD 13-27=-853/0, 12-27=-851/0, 2-3=-1815/0, 3-4=-3107/0, 4-5=-3107/0, 5-6=-3947/0, 6-7=-3947/0, 7-8=-4218/0,

8-9=-4008/0, 9-10=-3550/0, 10-11=-2316/0, 11-12=-615/0

BOT CHORD 25-26=0/1025, 24-25=0/2580, 23-24=0/3613, 22-23=0/4175, 21-22=0/4253, 20-21=0/4253, 19-20=0/3550, 18-19=0/3522, 17-18=0/3550, 16-17=0/3550, 15-16=0/1537, 14-15=0/1538

WEBS 9-18=-545/0, 10-17=0/736, 9-20=-24/716, 8-20=-363/31, 7-23=-292/0, 5-23=0/426, 5-24=-659/0, 3-24=0/685,

3-25=-996/0, 2-25=0/1028, 2-26=-1311/0, 10-16=-1540/0, 11-16=0/987, 11-14=-1202/0, 12-14=0/969

**NOTES-** (5)

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

2) All plates are MT20 plates unless otherwise indicated.

3) 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.

4) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



Job		Truss	Truss Type		Qty	Ply	LOT 0.0105 BLAKE POND   92 FR	ROST MEADOW WAY	LILLINGTON, NC
24-2119-F02		F216	FLOOR SUPPORTED GABL	-	1	1	Job Reference (optional)	#	46675
				Run: 8.430 ID:pMq	) s Feb 12 Jz?gO_60	2021 Print: 5LWiSfiG0	8.430 s Feb 12 2021 MiTek Industr D4QyyWlk-QAaFocLaACbKSn	ies, Inc. Mon Mar 18 LW3kXLuc9xK6A5	20:48:23 2024 Page 1 n8CqC1ZTzgzZbmc
	<b>—</b>	1-3-0							
									Scale = 1:16.8
			3x4 =	1.5x3	3x4 =		3x4 =	=	3x4
	1 <sup>3x6</sup> =		2	3	4		5	6	6
]	$\Box \downarrow \downarrow$			T1					
Ģ	W	$\langle \rangle$		$\Box$		$\backslash$			W1 9
1-2-0									1-2-0
				B1					
J									
		$^{10}_{3 ext{x4}} =$		9 3x8 =			8 3x4 =	Ś	
	3x4	3X4 —		охо —			384 —	3>	(6 =

			9-4-8		
Plate Offsets (X,Y)	[11: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 NO Code IRC2021/TPI2014	<b>CSI.</b> TC 0.32 BC 0.24 WB 0.31 Matrix-SH	<b>DEFL.</b> ir Vert(LL) -0.02 Vert(CT) -0.03 Horz(CT) 0.07	3 8-9 >999 360	PLATES         GRIP           MT20         244/190           Weight: 51 lb         FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF WEBS 2x4 SF			BRACING- TOP CHORD BOT CHORD	end verticals.	directly applied or 6-0-0 oc purlins, except d or 10-0-0 oc bracing, Except:

9-4-8

REACTIONS. (lb/size) 11=502/0-3-8 (min. 0-1-8), 7=502/0-3-8 (min. 0-1-8) Max Uplift11=-56(LC 6), 7=-56(LC 7) Max Grav 11=528(LC 3), 7=528(LC 2)

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

TOP CHORD 1-11=-523/60, 1-2=-562/78, 2-3=-1072/0, 3-4=-1072/0, 4-5=-870/6

BOT CHORD 9-10=-14/954, 8-9=0/1109, 7-8=-75/627

WEBS 1-10=-121/723, 2-10=-648/149, 2-9=-206/315, 4-9=-253/254, 4-8=-434/199, 5-8=-153/479, 5-7=-804/118

NOTES- (5)

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

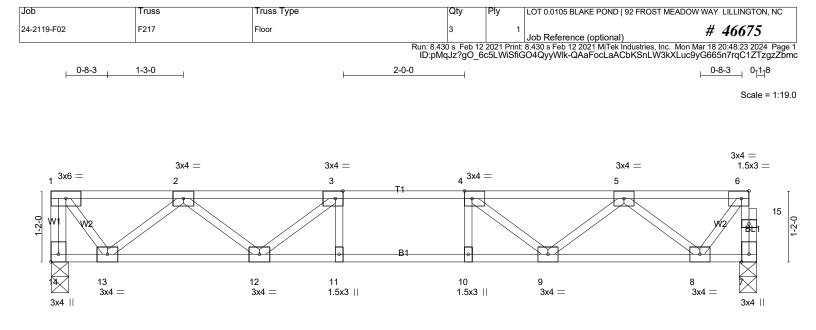
2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 56 lb uplift at joint 11 and 56 lb uplift at joint

7.
 3) This truss has been designed for a total drag load of 150 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0 to 9-4-8 for 150.0 plf.

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

LOAD CASE(S) Standard





	<u>4-9-11</u> 4-9-11	5-9-11 1-0-0	6-9-11		<u>11-7-6</u> 4-9-11	
Plate Offsets (X,Y)	[3:0-1-8,Edge], [4:0-1-8,Edge], [6:0-1	-8,Edge], [14:Edge,0-1-8]			- I	
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 0.26 BC 0.50 WB 0.33 Matrix-SH	Vert(LL) -0.0	in (loc) l/defl L/d 18 9-10 >999 480 19 9-10 >999 360 12 7 n/a n/a	PLATES MT20 Weight: 60 lb	<b>GRIP</b> 244/190 FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 S BOT CHORD 2x4 S			BRACING- TOP CHORD	Structural wood sheathin end verticals.	• • • • •	

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

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

REACTIONS. (lb/size) 14=625/0-3-8 (min. 0-1-8), 7=619/0-3-6 (min. 0-1-8)

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

TOP CHORD 1-14=-624/0, 7-15=-619/0, 6-15=-618/0, 1-2=-424/0, 2-3=-1373/0, 3-4=-1681/0, 4-5=-1373/0, 5-6=-426/0

BOT CHORD 12-13=0/1056, 11-12=0/1681, 10-11=0/1681, 9-10=0/1681, 8-9=0/1055

WEBS 3-12=-476/0, 2-12=0/413, 2-13=-822/0, 1-13=0/693, 4-9=-476/0, 5-9=0/414, 5-8=-818/0, 6-8=0/669

#### NOTES-(4)

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

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

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

CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



3/18/2024