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 #: 46856 JOB: 23-B588-F02 JOB NAME: LOT 0.0099 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. *17 Truss Design(s)*

Trusses:

F201, F202, F203, F205, F206, F207, F208, F209, F210, F211, F212, F213, F214, F216, F217, F218, F219



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 0.0099 BLAKE POND 63 WHIMBF	REL COURT LILI	LINGTON, NC
23-B588-F02	F201	Floor Supported Gable	1	1	Job Reference (optional)		46856
			Run: 8.430 s Feb ID:6SrUsNRKh	12 2021 Prin asUkfHKHI	it: 8.430 s Feb 12 2021 MiTek Industries, I R8skysYGd-?VsHkkWnfkP1qVWVac	nc. Sat Mar 23 1 S2darPVa2hr	7:17:50 2024 Page 1 n9 Vmg1Y1zY?O?
0 ₁ -8							Q <u>-3-</u> 4
							Scale = 1:26.5
	Зхб	FP=	3x4 =			3x6	4x6
1 2	T1 4 5	6 7	8 9	10 T2	11 12	13 14	1516 17
		B1 B1<		ST ST	е е 1 ST1 ST1 - В2- XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	ST2	
31 30	29 28	27 26	25 24	23 22	21 20	19	18
3x4		3x4 =	3	x8 FP=			$3x4 \equiv$
			10.0.0				40.0.40
			16-3-8 16-3-8				<u>16-6-</u> 12 0-3-4
Plate Offsets (X,Y) [8:	0-1-8,Edge], [26:0-1-8,Edge], [31:Edge,0-1-8]					

	[0.0-1-0,Luge], [20.0-1-0,Luge], [31.1	_uge,0-1-0]			
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	CSI. TC 0.06 BC 0.01 WB 0.03	DEFL. in Vert(LL) 0.00 Vert(CT) 0.00 Horz(CT) 0.00	0 16 n/r 80	PLATES GRIP MT20 244/190
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH	1012(01) 0.00	0 10 11/a 11/a	Weight: 74 lb FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SI BOT CHORD 2x4 SI			BRACING- TOP CHORD	Structural wood sheathing end verticals.	directly applied or 6-0-0 oc purlins, except
	P No 3(flat)		BOT CHORD	Rigid ceiling directly applie	ed or 10-0-0 oc bracing

2x4 SP No.3(flat) OTHERS

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

REACTIONS. All bearings 16-6-12.

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

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

NOTES-(7-8)

- 1) All plates are 1.5x3 MT20 unless otherwise indicated.
- 2) Gable requires 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 studs spaced at 1-4-0 oc.
- 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 web bracing representation does not depict the size, type or the orientation of the brace on the web. 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.

LOAD CASE(S) Standard



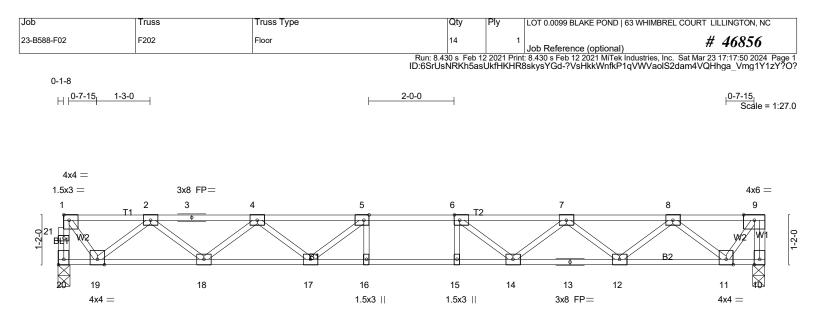


Plate Offsets (X,Y)	7-3-7 7-3-7 [1:Edge,0-1-8], [5:0-1-8,Edge], [6:0-1	1	3-3-7 <u>9-3-7</u> -0-0 1-0-0]		6-14 3-7
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 1-7-3 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.33 BC 0.70 WB 0.39 Matrix-SH	Vert(LL) -0.1	n (loc) l/defl L/d 7 15-16 >999 480 3 15-16 >842 360 4 10 n/a n/a	PLATES GRIP MT20 244/190 Weight: 83 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 c end verticals. Rigid ceiling directly appliec	lirectly applied or 6-0-0 oc purlins, except l or 10-0-0 oc bracing.

REACTIONS. (lb/size) 20=713/0-3-6 (min. 0-1-8), 10=718/0-3-8 (min. 0-1-8)

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

TOP CHORD 20-21=-713/0, 1-21=-712/0, 9-10=-716/0, 1-2=-495/0, 2-3=-1784/0, 3-4=-1784/0, 4-5=-2539/0, 5-6=-2786/0,

6-7=-2539/0, 7-8=-1784/0, 8-9=-493/0 BOT CHORD 18-19=0/1257, 17-18=0/2286, 16-17=0/2786, 15-16=0/2786, 14-15=0/2786, 13-14=0/2286, 12-13=0/2286, 11-12=0/1258

WEBS 5-17=-491/0, 4-17=0/394, 4-18=-654/0, 2-18=0/686, 2-19=-992/0, 1-19=0/793, 6-14=-491/0, 7-14=0/394, 7-12=-653/0, 8-12=0/685, 8-11=-996/0, 9-11=0/819

NOTES- (5-6)

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

2) All plates are 3x4 MT20 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.

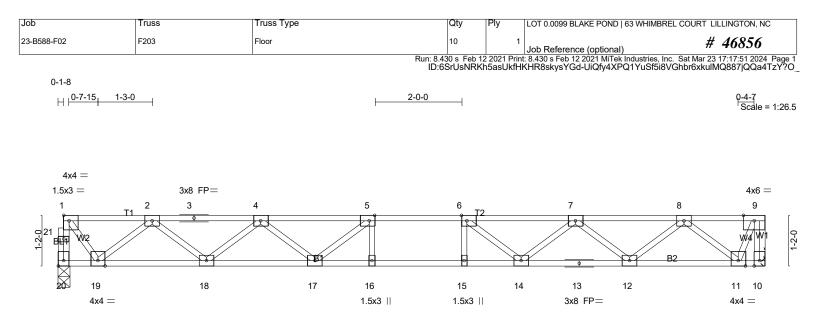
4) CAUTION, Do not erect truss backwards.

5) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. 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.

LOAD CASE(S) Standard





	1-3-1		0-3-1 9-3-1		5-5-0	
1	7-3-7	1	1-0-0 ' 1-0-0 '	6-1	11-15	1
Plate Offsets (X,Y)	[1:Edge,0-1-8], [5:0-1-8,Edge], [6:0-1-	-8,Edge], [20:Edge,0-1-	8]	1		
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0	SPACING- 1-7-3 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES	CSI. TC 0.34 BC 0.71 WB 0.37	Vert(LL) -0.1	2 15-16 >873 360		GRIP 244/190
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH			Weight: 82 lb	FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF	P No.1(flat)		BRACING- TOP CHORD BOT CHORD	Structural wood sheathing d end verticals.		
WEBS 2x4 SF	P No.3(flat)		BUICHURD	Rigid ceiling directly applied	i or ro-o-o oc bracing	•

9-3-7

8-3-7

REACTIONS. (lb/size) 20=700/0-3-6 (min. 0-1-8), 10=705/Mechanical

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

7-3-7

TOP CHORD 20-21=-700/0, 1-21=-699/0, 9-10=-706/0, 1-2=-485/0, 2-3=-1744/0, 3-4=-1744/0, 4-5=-2468/0, 5-6=-2686/0, 6-7=-2411/0, 7-8=-1623/0, 8-9=-311/0

BOT CHORD 18-19=0/1231, 17-18=0/2233, 16-17=0/2686, 15-16=0/2686, 14-15=0/2686, 13-14=0/2141, 12-13=0/2141, 11-12=0/1079

WEBS 5-17=-459/0, 4-17=0/374, 4-18=-636/0, 2-18=0/667, 2-19=-971/0, 1-19=0/777, 6-14=-509/0, 7-14=0/406, 7-12=-674/0, 8-12=0/709, 8-11=-999/0, 9-11=0/725

NOTES- (6-7)

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

2) All plates are 3x4 MT20 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 web bracing representation does not depict the size, type or the orientation of the brace on the web. 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.

LOAD CASE(S) Standard



16-3-6

Job Truss	Truss Type	Qty	Ply LOT	0.0099 BLAKE POND	63 WHIMBREL COURT	LILLINGTON, NC
23-B588-F02 F205	Floor Supported Gable	1	1	Reference (optional	J) 7	# 46856
		Run: 8.430 s Feb 12 ID:6SrUsNRKh	2 2021 Print: 8.43 5asUkfHKHR8	30 s Feb 12 2021 MiTel 38 skysYGd-UiQfv4XP	n) k Industries, Inc. Sat Mar∶ 2Q1YuSf5i8VGhbr6?nu	23 17:17:51 2024 Page 1 wIQDL7jQQa4TzY?O
0 ₁ 1 ₇ 8						
						Scale = 1:26.5
						Scale - 1.20.3
3x8 FP=		3x4 =				3x4
	5 6 7	8 9 72	10	11	12 13	14
			•	0	•	
	ST1 ST1 ST1 W2	ST1 ST1	ST1	ST1	ST1 ST1	
					B2	•
28 27 26	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	22 21 2	0000000	XXXXXXXXXX 18	XXXXXXXXXXX 17 16	(XXXXX) 15
3x4	3x4 =		6 FP=	10	17 10	3x4
		16-3-6				
		16-3-6				
Plate Offsets (X,Y) [8:0-1-8,Edge], [23:0-1-	8,Edge], [28:Edge,0-1-8]					
LOADING (psf)SPACING-TCLL40.0Plate Grip DOL	2-0-0 CSI. 1.00 TC 0.08	DEFL. in Vert(LL) n/a	(loc) l/def - n/a			RIP 4/190

11	IM	BF	R-	

TCDI

BCLL

BCDL

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)

10.0

0.0

5.0

BRACING-TOP CHORD BOT CHORD

Vert(CT)

Horz(CT)

n/a

0.00

15

n/a

n/a

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

Weight: 71 lb

FT = 20%F, 11%E

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

999

n/a

REACTIONS. All bearings 16-3-6.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 28, 15, 27, 26, 25, 24, 23, 22, 21, 19, 18, 17, 16

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

1.00

YES

NOTES- (7-8)

1) All plates are 1.5x3 MT20 unless otherwise indicated.

Lumber DOL

Rep Stress Incr

Code IRC2021/TPI2014

- 2) Gable requires 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 studs spaced at 1-4-0 oc.
- 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.

0.01

0.04

BC

WB

Matrix-SH

- 6) CAUTION, Do not erect truss backwards.
- 7) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. 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.

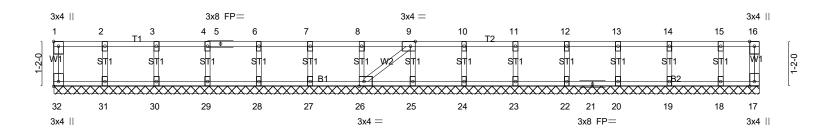
LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	LOT 0.0099 BLAKE POND 63 WHIMBREL COURT LILLINGTON, NC
23-B588-F02	F206	Floor Supported Gable	1	1	Job Reference (optional) # 46856

: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Sat Mar 23 17:17:52 2024 Page 1 ID:6SrUsNRKh5asUkfHKHR8skysYGd-yu_19QY1BLgl4pguiDnw72fBrIFZ9geHy498bvzY?Nz Run

Scale = 1:29.9



			18-4-0 18-4-0			
Plate Offsets (X,Y)	[1:Edge,0-1-8], [9:0-1-8,Edge], [26:0-	1-8,Edge], [32:Edge,0-1-	-8]			
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.06 BC 0.01 WB 0.03 Matrix-SH	DEFL. in Vert(LL) n/: Vert(CT) n/: Horz(CT) -0.00	a - n/a 999		I P /190 FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF WEBS 2x4 SF			BRACING- TOP CHORD BOT CHORD	end verticals.	ing directly applied or 10-0-0	oc purlins, except

2x4 SP No.3(flat) OTHERS

REACTIONS. All bearings 18-4-0.

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

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

NOTES-(6-7)

1) All plates are 1.5x3 MT20 unless otherwise indicated.

2) Gable requires 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 studs spaced at 1-4-0 oc.

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) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. 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.

LOAD CASE(S) Standard



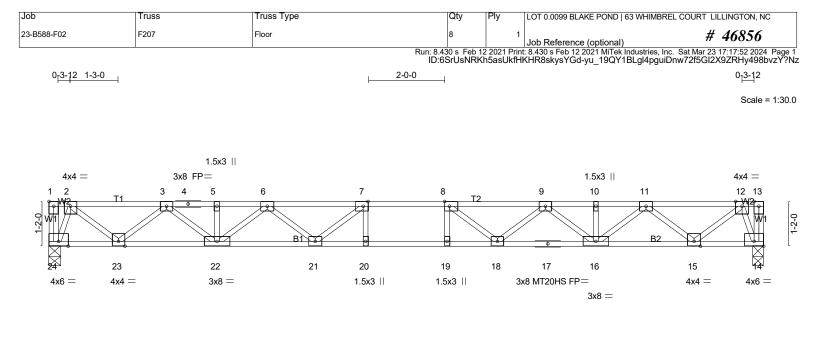


Plate Offsets (X,Y)	8-3-12 [1:Edge,0-1-8], [7:0-1-8,Edge], [8:0-1	1-	-0-0 1-0-0	8-3	-12
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 1-7-3 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.42 BC 0.84 WB 0.49 Matrix-SH	Vert(LL) -0.2	in (loc) I/defl L/d 27 19-20 >829 480 37 19-20 >601 360 36 14 n/a n/a	PLATES GRIP MT20 244/190 MT20HS 187/143 Weight: 97 lb FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF			BRACING- TOP CHORD	end verticals.	directly applied or 6-0-0 oc purlins, except

9-3-12 10-3-12

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

18-7-8

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

REACTIONS. (lb/size) 24=808/0-3-8 (min. 0-1-8), 14=808/0-3-8 (min. 0-1-8)

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

8-3-12

TOP CHORD 2-3=-1161/0, 3-4=-2525/0, 4-5=-2525/0, 5-6=-2525/0, 6-7=-3284/0, 7-8=-3536/0, 8-9=-3284/0, 9-10=-2525/0,

- 10-11=-2525/0, 11-12=-1161/0 BOT CHORD 23-24=0/365, 22-23=0/1935, 21-22=0/3026, 20-21=0/3536, 19-20=0/3536, 18-19=0/3536, 17-18=0/3026, 16-17=0/3026, 15-16=0/1935, 14-15=0/365
- WEBS 7-21=-541/19. 6-21=0/429. 6-22=-640/0. 3-22=0/753. 3-23=-1007/0. 2-23=0/1036. 2-24=-943/0. 8-18=-541/19.

9-18=0/429, 9-16=-640/0, 11-16=0/753, 11-15=-1007/0, 12-15=0/1036, 12-14=-943/0

NOTES-(5-6)

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

2) All plates are MT20 plates unless otherwise indicated.

3) All plates are 3x4 MT20 unless otherwise indicated.

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 web bracing representation does not depict the size, type or the orientation of the brace on the web. 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.

LOAD CASE(S) Standard



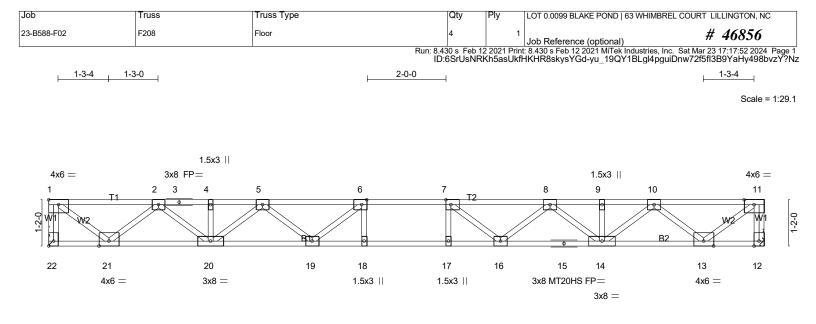


Plate Offsets (X,Y)	8-0-4 8-0-4 [1:Edge,0-1-8], [6:0-1-8,Edge], [7:0-1-		0-0 1-0-0	18-1 8-0	
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 1-7-3 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.39 BC 0.80 WB 0.55 Matrix-SH	Vert(LL) -0.24	n (loc) l/defl L/d 4 17-18 >905 480 3 17-18 >656 360 6 12 n/a n/a	PLATES GRIP MT20 244/190 MT20HS 187/143 Weight: 92 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

REACTIONS. (Ib/size) 22=782/Mechanical, 12=782/Mechanical

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

TOP CHORD 1-22=-777/0, 11-12=-777/0, 1-2=-923/0, 2-3=-2299/0, 3-4=-2299/0, 4-5=-2299/0, 5-6=-3063/0, 6-7=-3314/0,

7-8=-3063/0, 8-9=-2299/0, 9-10=-2299/0, 10-11=-923/0

20-21=0/1731, 19-20=0/2805, 18-19=0/3314, 17-18=0/3314, 16-17=0/3314, 15-16=0/2805, 14-15=0/2805, 13-14=0/1731 BOT CHORD

6-19=-528/6, 5-19=0/420, 5-20=-646/0, 2-20=0/726, 2-21=-1051/0, 1-21=0/1152, 7-16=-528/6, 8-16=0/420, WEBS

8-14=-646/0, 10-14=0/726, 10-13=-1051/0, 11-13=0/1152

NOTES-(6-7)

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

All plates are MT20 plates unless otherwise indicated.

3) All plates are 3x4 MT20 unless otherwise indicated.

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

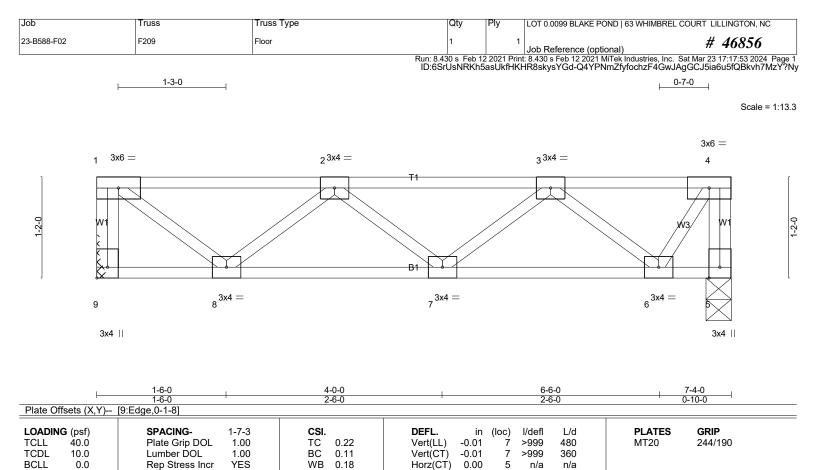
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

6) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. 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.

LOAD CASE(S) Standard





BRACING-

TOP CHORD

BOT CHORD

end verticals

BOT CHORD	7-8=0/543, 6-7=0/453
WEBS	1-8=0/370, 2-8=-323/0, 3-6=-367/0, 4-6=0/304

TOP CHORD

BCDL

WEBS

LUMBER-

5.0

TOP CHORD 2x4 SP No.1(flat)

BOT CHORD 2x4 SP No.1(flat)

(3-4) NOTES-

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

2x4 SP No.3(flat)

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

Matrix-P

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

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

1-9=-307/0, 4-5=-312/0, 1-2=-295/0, 2-3=-510/0

Code IRC2021/TPI2014

REACTIONS. (lb/size) 9=311/Mechanical, 5=311/0-3-8 (min. 0-1-8)

3) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. 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.

LOAD CASE(S) Standard



Weight: 40 lb

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

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

FT = 20%F, 11%E

Job	Truss	Truss Typ	е	C	Qty Ply	LO	T 0.0099 BLAKE PON	ID 63 WHIMBREL CO	OURT LILLINGTON, N	NC
23-B588-F02	F210	FLOOR		6		1 Jo	b Reference (optio	nal)	# 46856	
				Run: 8.430 ID:6SrU	s Feb 12 202 sNRKh5asU	l Print: 8.4 kfHKHR	430 s Feb 12 2021 Mi 8skysYGd-uG6oa6	Fek Industries, Inc. Sa aljywTJ6qHpdqPD	at Mar 23 17:17:54 202 FkL?6mrdQlZQOeF	24 Page gozY?N
									0-1-8	
0 <u>-7-12 1-3</u>	-0 2-0	-0							0-9-12 Scale	e = 1:36.8
									3x8 —	
4x6 =			3x4 =						1.5x3	
1.5x3	4x4 =	4x6 =	3x8 FP=	3x4 = −1.5x3	3x4 =		3x4 =	3x4 =	1.5x3 =	
¹ w2 ²	3 -	4	5 6	7 8	9		T2 ¹⁰	11	12 13	
	B1		• B2			B 3		8 B4		0-1-8 [-0
26	25 24	23 22	21 20	19		18	17 16	15	14	
3x6	6x6 = 3x6	3x6 3x	x8 FP= 3x6	5x8		3x6	3x8 FP=	5x6	6x6	
		6x6 =					4x6			

→ 3-4- 3-4- Plate Offsets (X,Y)		3-0,0-0-0]	21-8-8 16-3-12	
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 1-7-3 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.79 BC 0.72 WB 0.70 Matrix-SH	DEFL. in (loc) I/defl L/d Vert(LL) -0.48 19-20 >540 480 Vert(CT) -0.66 19-20 >392 360 Horz(CT) 0.04 14 n/a n/a	PLATES GRIP MT20 244/190 Weight: 137 lb FT = 20%F, 11%E
,		·	BRACING- TOP CHORD Structural wood sheathing end verticals. BOT CHORD Rigid ceiling directly applie	directly applied or 4-5-7 oc purlins, except d or 10-0-0 oc bracing.

REACTIONS. (Ib/size) 26=944/0-3-8 (min. 0-1-8), 14=944/0-5-4 (min. 0-1-8)

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

TOP CHORD 2-3=-1600/0, 3-4=-3283/0, 4-5=-4406/0, 5-6=-4973/0, 6-7=-4973/0, 7-8=-5059/0,

8-9=-5059/0, 9-10=-4508/0, 10-11=-3436/0, 11-12=-1802/0

BOT CHORD 25-26=0/628, 24-25=0/3283, 23-24=0/3283, 22-23=0/3283, 21-22=0/4853, 20-21=0/4853, 19-20=0/5121, 18-19=0/4894, 17-18=0/4101, 16-17=0/4101, 15-16=0/2749, 14-15=0/900 3-24=0/1008, 4-23=-964/0, 3-25=-2100/0, 2-25=0/1234, 2-26=-1072/0, 4-22=0/1465, 5-22=-588/0, 9-18=-490/0, 10-18=0/517, 10-16=-844/0, 11-16=0/873, 11-15=-1203/0, 12-15=0/1149, 12-14=-1254/0

NOTES- (4-5)

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

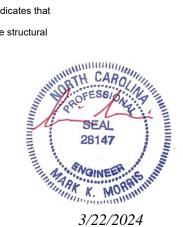
2) Required 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

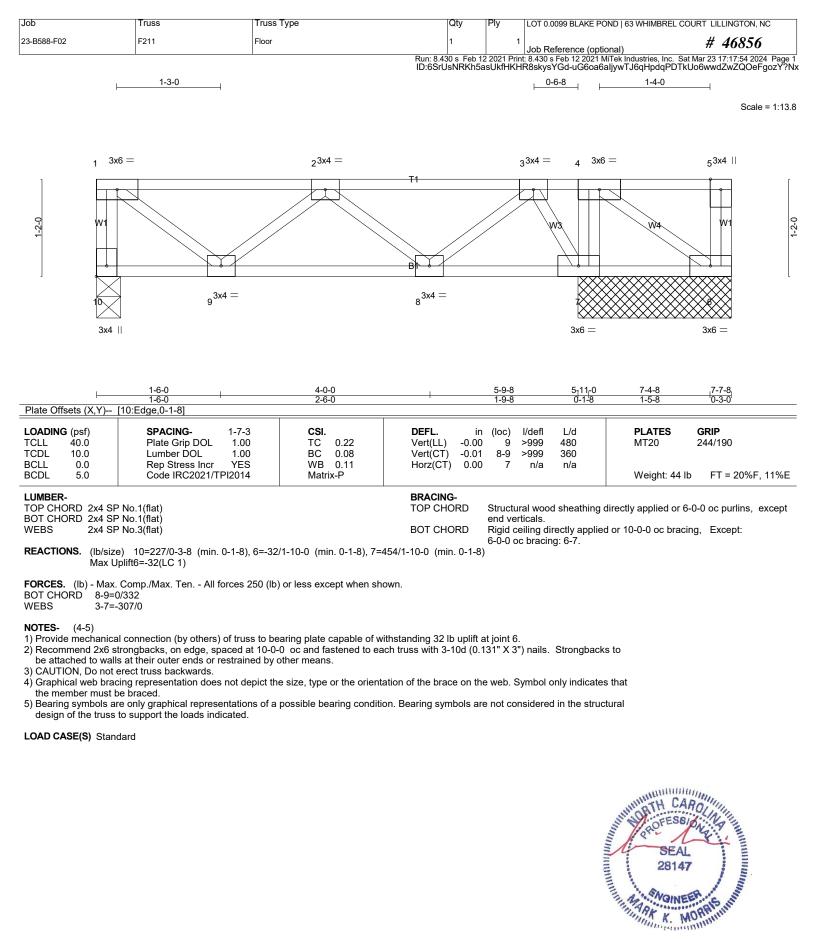
3) CAUTION, Do not erect truss backwards.

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

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

LOAD CASE(S) Standard

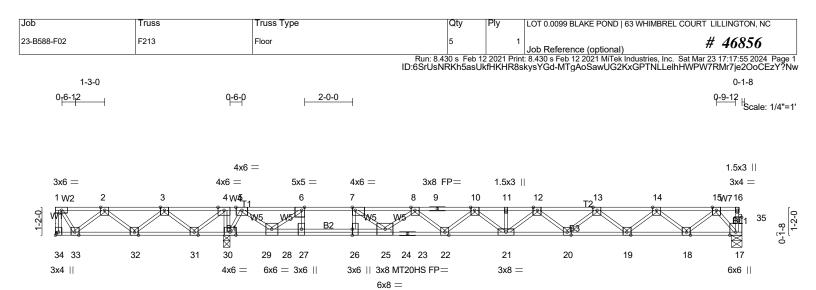




Warning !—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer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

3/22/2024

Job 23-B588-F02	Truss Trus F212 Floo	ss Type ^v	Qty 2 Run: 8.430 s Fet	1 Job 12 2021 Print: 8.43	Reference (optio	liTek Industries, Inc. Sat	URT LILLINGTON, NC # 46856 Mar 23 17:17:55 2024 Page 1 (vW6eMsFje20oCEzY?Nw
1-3-0 0 <u> ⁶⁻12</u>	<u>p-9-8</u>	2-0-0		SUNI IN INUSKYS	1 Gu-Wi TgAUSaw		0-1-8 0-9-12 Scale = 1:48.8
3x4 1 W2 34 33 4x6 = 4x6		6x6 = 3x6 3x6 3	3x8 FP= 8 9 9 25 24 23 22 x8 MT20HS FP= 5x6 =	1.5x3 10 11 12 10 12 12 12	2 T2 13 2 72 13 20	14 19 19 18	1.5x3 3x4 = 15w7 16 r_{t} 15w7 16 r_{t} 15w7 16 r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t} r_{t}
ŧ	5-11-4 10-8-12 5-11-4 4-9-8 [1:Edge,0-1-8], [6:0-1-8,Edge], [7:0-	12-8-12 11-8-12 1-0-0 1-0-0 -1-8,Edge], [26:0-3-0,0-0-0], [35:0-1-8,0-1-8]		<u>9-0-8</u> }-3-12		I
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 1-7-3 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.71 BC 0.75 WB 0.75 Matrix-SH	Vert(LL) -0.4	in (loc) l/defi 17 21-22 >585 35 21-22 >426 34 17 n/a	480 360	PLATES MT20 MT20HS Weight: 154 I	GRIP 244/190 187/143 b FT = 20%F, 11%E
			BRACING- TOP CHORD BOT CHORD	end verticals		lirectly applied or 6- d or 6-0-0 oc bracing	0-0 oc purlins, except j.
Max U	e) 34=-439/0-3-8 (min. 0-1-8), 31= Jplift34=-617(LC 4) Grav 34=58(LC 3), 31=2137(LC 1), 1		17=830/0-5-4 (min. 0	-1-8)			
TOP CHORD 2-3=(8-9=- 14-1 BOT CHORD 33-34 28-22 WEBS 6-27 2-33 7-25:	Comp./Max. Ten All forces 250 (0/1186, 3-4=0/2838, 4-5=0/2847, 5- -3448/0, 9-10=-3448/0, 10-11=-3812 5=-1528/0 4=-405/45, 32-33=-1995/0, 31-32=-2 9=-1639/0, 27-28=0/1397, 26-27=0/ 3=0/3203, 21-22=0/3717, 20-21=0/3 =0/1071, 7-26=-998/0, 4-31=-2113/0 =-1017/0, 2-34=-81/734, 6-28=-226 =0/1565, 8-25=-789/0, 8-22=0/342, 9=-644/0, 14-19=0/675, 14-18=-993	6=-57/607, 6-7=-1397/0, 7- 2/0, 11-12=-3812/0, 12-13= 3784/0, 30-31=-3808/0, 29- 1397, 25-26=0/1397, 24-29 3784, 19-20=0/3305, 18-19 0, 4-32=0/1351, 3-32=-128 1/0, 5-28=0/1468, 5-30=-16 10-22=-372/0, 12-20=-299	-8=-2599/0, 3555/0, 13-14=-281 -30=-1683/0, 5=0/3118, 23-24=0/32 =0/2291, 17-18=0/74 1/0, 3-33=0/1052, 527/0, 4-30=0/1459, /0, 13-20=0/326,	203,			
 All plates are MT20 All plates are 4x4 M Provide mechanica Required 2x6 stron attached to walls a CAUTION, Do not Graphical web brac the member must b Bearing symbols a 	ive loads have been considered for 0 plates unless otherwise indicated. MT20 unless otherwise indicated. al connection (by others) of truss to ngbacks, on edge, spaced at 10-0-0 t their outer ends or restrained by of erect truss backwards. cing representation does not depict be braced. re only graphical representations of to support the loads indicated. dard	bearing plate capable of w oc and fastened to each t ther means. the size, type or the orienta	russ with 3-10d (0.13 ation of the brace on t	1" X 3") nails. S	l only indicates ed in the struc	WINTH CAA	BORNELIUM BRANCHINAN DRANCHINAN 2024
						ARK K. M	RRF INTERNA
Warning L. Varify de	esign parameters and read notes before	use This design is based only	unon nonomotoro akoura	and is for an indi	idual building ag	<i>3/22/2</i>	2024



	7-2-4 7-2-4	<u>10-5-4</u> <u>11-5-412-5-4</u> <u>3-3-0</u> <u>1-0-0</u> <u>1-0-0</u>		<u>28-9-0</u> 16-3-12	
Plate Offsets (X,Y) LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 1 Plate Grip DOL Lumber DOL	ge], [26:0-3-0,0-0-0], [34:Ec -7-3 CSI. 1.00 TC 0.8 1.00 BC 0.7(YES WB 0.82 014 Matrix-SH	DEFL. 1 Vert(LL) -0.4 0 Vert(CT) -0.5 2 Horz(CT) 0.0	in (loc) I/defl L/d 1 21-22 >634 480 6 21-22 >462 360 4 17 n/a n/a	PLATES GRIP MT20 244/190 MT20HS 187/143 Weight: 153 lb FT = 20%F, 11%E
WEBS 2x4 SP REACTIONS. (Ib/size Max U	9 SS(flàt) [*] Except* 4 SP No.1(flat) 9 No.3(flat)		BRACING- TOP CHORD BOT CHORD 17=783/0-5-4 (min. 0-1-8)	end verticals.	directly applied or 6-0-0 oc purlins, except ed or 10-0-0 oc bracing, Except: -32,30-31,28-30.
TOP CHORD 1-34= 6-7=- 12-13 BOT CHORD 32-33 27-28 21-22 WEBS 6-27= 2-32= 7-25=	170/369, 1-2=-74/251, 2- 628/0, 7-8=-1965/0, 8-9=-2 3=-3251/0, 13-14=-2611/0, 3=-723/190, 31-32=-1795/0 3=0/628, 26-27=0/628, 25-2 2=0/3249, 20-21=0/3428, 1 =0/1125, 7-26=-1081/0, 4-3 =-677/0, 2-33=-151/615, 1-1	, 30-31=-3082/0, 29-30=-25 26=0/628, 24-25=0/2562, 2 9-20=0/3054, 18-19=0/2146 0=-851/0, 4-31=0/1048, 3-3 33=-455/134, 6-28=-2387/0 =0/404, 10-22=-433/0, 13-2	5=0/3082, 5-6=0/1392, 1=-3400/0, 11-12=-3400/0, 532/0, 28-29=-2472/0, 3-24=0/2631, 22-23=0/2631, 5, 17-18=0/701 11=-1023/0, 3-32=0/718, , 5-28=0/1486, 5-30=-1128/0,		
 All plates are MT20 All plates are 4x4 M Refer to girder(s) fc Provide mechanica Required 2x6 stron attached to walls at CAUTION, Do not et Graphical web brac the member must b Bearing symbols ar 	gbacks, on edge, spaced a t their outer ends or restrain erect truss backwards. cing representation does no be braced. e only graphical represent to support the loads indica	ndicated. cated. s. truss to bearing plate capai at 10-0-0 oc and fastened to hed by other means. ot depict the size, type or the ations of a possible bearing	e orientation of the brace on t	are not considered in the strue	esthat of FESGIP AN
	sign parameters and read no				3/22/2024

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

Job	Truss	Truss Type	Qty	Ply	LOT 0.0099 BLAKE POND 63 WHIMBREL COUR	T LILLINGTON, NC
23-B588-F02	F214	Floor Supported Gable	1	1	Job Reference (optional)	# 46856
		Run [.] 8.4	30 s Feb 1	2 2021 Prin	1: 8 430 s Feb 12 2021 MiTek Industries Inc. Sat Mar	r 23 17 17 56 2024 Page 1

ID:6SrUsNRKh5asUkfHKHR8skysYGd-qfDY?obYFaAAYQ_fx2stluqtrvdV5Testi7LkgzY?Nv

0-1-8

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Scale = 1:47.2
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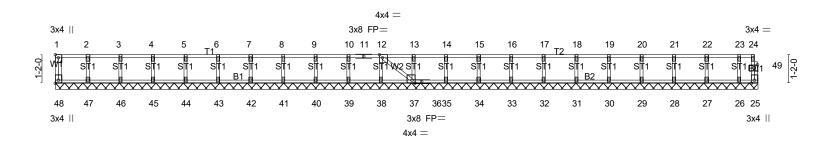


Plate Offsets (X Y)	[1:Edge,0-1-8], [12:0-1-8,Edge], [37:0-	-1-8 Edge] [48 [.] Edge ()-1	28-9-0 28-9-0 -81 [49 [:] 0-1-8 0-1-8]		I
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.06 BC 0.01 WB 0.03 Matrix-SH		a - n/a 999	PLATES GRIP MT20 244/190 Weight: 121 lb FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF WEBS 2x4 SF		I	BRACING- TOP CHORD BOT CHORD	Structural wood sheathing end verticals. Rigid ceiling directly appli	g directly applied or 6-0-0 oc purlins, except

OTHERS 2x4 SP No.3(flat)

REACTIONS. All bearings 28-9-0.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 25, 48, 47, 46, 45, 44, 43, 42, 41, 40, 39, 38, 37, 35, 34, 33, 32, 31, 30, 29, 28, 27, 26

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

NOTES-(7-8)

1) All plates are 1.5x3 MT20 unless otherwise indicated.

2) Gable requires continuous bottom chord bearing.

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

Gable studs spaced at 1-4-0 oc.

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 web bracing representation does not depict the size, type or the orientation of the brace on the web. 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.

LOAD CASE(S) Standard



b	Truss		Truss Type			Qty	Ply	LOT 0.0099 BLAKE	POND 63 WHIMBR	EL COURT LILLI	NGTON, NC
-B588-F02	F216		Floor Supported G	able		1	1	Job Reference (c	ptional)		6856
					Run: 8.43 II	30 s Feb 1 D:6SrUsN	2 2021 Prin RKh5asU	t: 8.430 s Feb 12 202 kfHKHR8skysYGd	1 MiTek Industries, Ir -qfDY?obYFaAAY	nc. Sat Mar 23 17: Q_fx2stluqtrvdV	17:56 2024 Pa 5Testi7Lkgz`
											0 _[1 _[8
											Scale = 1:
3x4					3x4 =						
1	2	3	4	5	6 71e	7		8	9	10	11
	•	e	<u>e</u>	•			•	•	<u>e</u>	<u>e</u>	
P W1	ST1	ST1	ST1	ST1 VA	12 ST1	S	T1	ST1	ST1	ST1	BL
					B1						
22	21	20	19	18	17	1	6	15	14	13	12
3x4				3x4 =							3x4
					13-0-6						

<u> </u>			13-0-6		
Plate Offsets (X,Y)	[1:Edge,0-1-8], [6:0-1-8,Edge], [18:0-	1-8,Edge], [22:Edge,0-1-			
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	CSI. TC 0.06 BC 0.01 WB 0.03 Matrix-SH	DEFL. ir Vert(LL) n/a Vert(CT) n/a Horz(CT) 0.00	a - n/a 999	PLATES GRIP MT20 244/190 Weight: 58 lb FT = 20%F, 11%E
			BRACING- TOP CHORD BOT CHORD	Structural wood sheathing end verticals. Rigid ceiling directly appl	g directly applied or 6-0-0 oc purlins, except ied or 10-0-0 oc bracing.

REACTIONS. All bearings 13-0-6.

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

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

NOTES- (7-8)

- 1) All plates are 1.5x3 MT20 unless otherwise indicated.
- 2) Gable requires 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 studs spaced at 1-4-0 oc.
- 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 web bracing representation does not depict the size, type or the orientation of the brace on the web. 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.

LOAD CASE(S) Standard



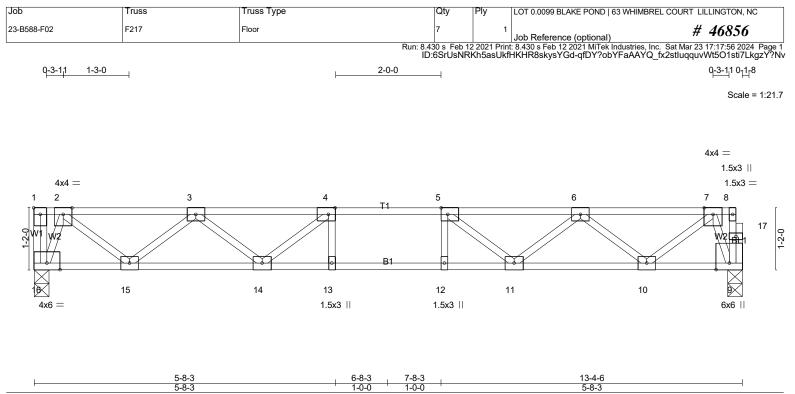


Plate Offsets (X,Y)	[1:Edge,0-1-8], [4:0-1-8,Edge], [5:0-1	-8,Edge]	
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 1-7-3 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.25 BC 0.49 WB 0.33 Matrix-SH	DEFL. in (loc) l/defl L/d Vert(LL) -0.09 13-14 >999 480 Vert(CT) -0.11 13-14 >999 360 Horz(CT) 0.02 9 n/a n/a Weight: 69 lb FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF			BRACING- 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 10-0-0 oc bracing.

REACTIONS. (lb/size) 16=577/0-3-8 (min. 0-1-8), 9=572/0-3-6 (min. 0-1-8)

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

TOP CHORD 2-3=-789/0, 3-4=-1548/0, 4-5=-1794/0, 5-6=-1548/0, 6-7=-789/0

BOT CHORD 15-16=0/261, 14-15=0/1296, 13-14=0/1794, 12-13=0/1794, 11-12=0/1794, 10-11=0/1296, 9-10=0/260

4-14=-419/0, 3-14=0/350, 3-15=-659/0, 2-15=0/688, 2-16=-680/0, 5-11=-419/0, 6-11=0/350, 6-10=-659/0, 7-10=0/688, WEBS

NOTES-(5-6)

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

2) All plates are 3x4 MT20 unless otherwise indicated.

7-9=-691/0

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.

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.

LOAD CASE(S) Standard



⁵⁾ Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.

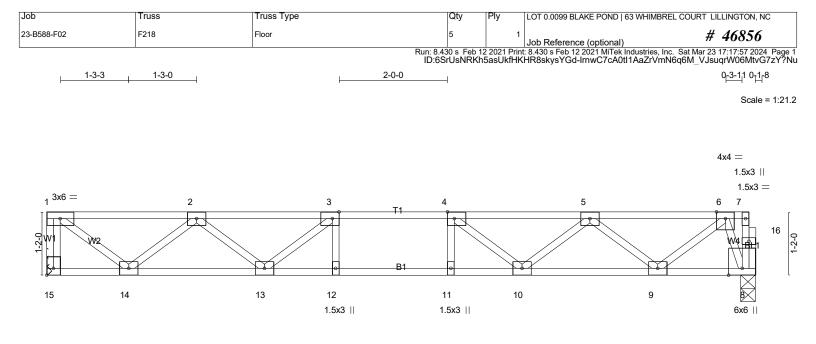


Plate Offsets (X,Y)	5-4-11 5-4-11 [3:0-1-8,Edge], [4:0-1-8,Edge], [15:Ec	6-4-11 1-0-0 lge,0-1-8]	7-4-11	13-0- 5-8-	
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 1-7-3 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.26 BC 0.51 WB 0.38 Matrix-SH	Vert(LL) -0.0 Vert(CT) -0.1	in (loc) l/defl L/d 09 10-11 >999 480 11 10-11 >999 360 02 8 n/a n/a	PLATES GRIP MT20 244/190 Weight: 67 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 d end verticals. Rigid ceiling directly applied	lirectly applied or 6-0-0 oc purlins,except l or 10-0-0 oc bracing.

REACTIONS. (lb/size) 15=564/Mechanical, 8=559/0-3-6 (min. 0-1-8)

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

TOP CHORD 1-15=-559/0, 1-2=-633/0, 2-3=-1444/0, 3-4=-1712/0, 4-5=-1497/0, 5-6=-768/0

BOT CHORD 13-14=0/1181, 12-13=0/1712, 11-12=0/1712, 10-11=0/1712, 9-10=0/1262, 8-9=0/254

WEBS 3-13=-435/0, 2-13=0/359, 2-14=-713/0, 1-14=0/791, 4-10=-385/0, 5-10=0/330, 5-9=-642/0, 6-9=0/669, 6-8=-675/0

NOTES- (6-7)

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

All plates are 3x4 MT20 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 web bracing representation does not depict the size, type or the orientation of the brace on the web. 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.

LOAD CASE(S) Standard



Job	Truss	Truss Type	Qt	y	Ply	LOT 0.0099 BLAKE PO	ND 63 WHIMBREL C	ourt li	LLINGTON, NC
23-B588-F02	F219	Floor Supported Gable	1		1	Job Reference (optio	nal)		46856
			Run: 8.430 s ID:6SrUs	Feb 12 sNRKh5	2021 Print asUkfHK	: 8.430 s Feb 12 2021 M HR8skysYGd-IrnwC7	Tek Industries, Inc. Sa cA0tI1AaZrVmN6q6	at Mar 23 5M2aJzk	17:17:57 2024 Page 1 <qwu06mtvg7zy?nu< td=""></qwu06mtvg7zy?nu<>
									0 ₁ 1-8
									Scale = 1:21.2
3x4		:	3x4 =						
1 2	3	4 5	6 T1 o	7		8	9	10	11
	•	•	Â	•		•	<u> </u>	•	23
9 ₩1 ST1	ST1	ST1 ST1 W2	ST1	ST	1	ST1	ST1	ST1	
			B10						
	*****			\sim	\times				XXXX '
22 21 3x4	20	19 18 3x4 =	17	16		15	14	13	12 3x4

13-0-14 13-0-14 Plate Offsets (X,Y) [1:Edge,0-1-8], [6:0-1-8,Edge], [18:0-1-8,Edge], [22:Edge,0-1-8]								
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.06 BC 0.01 WB 0.03 Matrix-SH	DEFL. ii Vert(LL) n/: Vert(CT) n/: Horz(CT) 0.00	a - n/a 999	PLATES GRIP MT20 244/190 Weight: 58 lb FT = 20%F, 11%E			
			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.			

REACTIONS. All bearings 13-0-14.

(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- (7-8)

1) All plates are 1.5x3 MT20 unless otherwise indicated.

- 2) Gable requires 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 studs spaced at 1-4-0 oc.

- 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 web bracing representation does not depict the size, type or the orientation of the brace on the web. 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.

LOAD CASE(S) Standard

