# Mark Morris, P.E.

#126, 1317-M, Summerville, SC 29483 843 209-5784, Fax (866)-213-4614

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

AST #: 44208 JOB: 23-B587-F01 JOB NAME: LOT 0.0098 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. 22 Truss Design(s)

Trusses:

F1-00, F1-01, F1-02, F1-03, F1-04, F1-05, F1-06, F1-07, F1-08, F1-08A, F1-09, F1-10, F1-10A, F1-11, F1-11A, F1-12, F1-13, F1-14, F1-15, F1-16, F1-19, F1-20



## 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* 



1			7-0-0					1
· · · ·			7-0-0					
Plate Offsets (X,Y)	- [1:Edge,0-1-8], [3:0-1-8,Edge], [8:Edg	ge,0-1-8], [10:0-1-8,Edge]	, [13:Edge,0-1-8], [14:(	)-1-8,0-(	0-8]			
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-P	<b>DEFL.</b> in Vert(LL) n/a Vert(CT) n/a Horz(CT) 0.00	(loc) - - 8	l/defl n/a n/a n/a	L/d 999 999 n/a	<b>PLATES</b> MT20 Weight: 33 lb	<b>GRIP</b> 244/190 FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 BOT CHORD 2x4 WEBS 2x4 OTHERS 2x4	SP No.1(flat) SP No.1(flat) SP No.3(flat) SP No.3(flat) SP No.3(flat)		BRACING- TOP CHORD BOT CHORD	Structu end ve Rigid c	ıral wood rticals. eiling dir	d sheathing d rectly applied	irectly applied or 6-0 or 10-0-0 oc bracin	)-0 oc purlins, except g.

### **REACTIONS.** All bearings 7-0-0.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 13, 8, 12, 11, 10, 9

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

**NOTES-** (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) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



Job	Truss	Truss Ty	уре		Qty	Ply	LOT 0.0098 BLAKE POND	87 WHIMBREL COUR	T LILLING	GTON, NC	
23-B587-F01	F1-01	Floor Sup	oported Gable		2	1	Job Reference (optional)		# 44	208	
				Run: 8 ID:c	3.430 s Feb 12 DuWOOMhl	2021 Print: xMOj2fwc	8.430 s Feb 12 2021 MiTek I p2aKqzMG6w-krABiGwW	ndustries, Inc. Tue Ja /ACqIXoi6sS91HhG	n 16 20:25 vBF06bo	:22 2024 Page otiu7XcnZzuh	∍1 Dx
0 <sub>1</sub> 1_8											
										Scale = 1:23	3.0
					$3x4 \equiv$					3x4	
1 2	3	4	5	6 T1	7	8	9	10	11	12	_
<b>9</b> 5	•	•	•	•	<del>با</del>	e	0	<u>e</u>	•		
ë ₽ ₽		ST1	ST1	ST1 W2	ST1	ST	1 ST1	ST1	ST1		- 1-
				↓§↓B1 XXXXXXXXXX							l
24 23	3 22	21	20	19	18	17	16	15	14	13	
3x4				3x4 =						3x4	

1			1	14-1-14		1
			1	14-1-14		1
Plate C	ffsets (X,Y)	[7:0-1-8,Edge], [19:0-1-8,Edge], [24:E	dge,0-1-8]			
LOADII TCLL TCDL BCLL	NG (psf) 40.0 10.0 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	<b>DEFL.</b> in Vert(LL) n/a Vert(CT) n/a Horz(CT) 0.00	(loc) l/defl L/d - n/a 999 - n/a 999 13 n/a n/a	PLATES         GRIP           MT20         244/190
BCDL	5.0	Code IRC2021/TPI2014	Matrix-SH			Weight: 59 lb FT = 20%F, 11%E
LUMBE TOP CI BOT CI	HORD 2x4 SF	P No.1(flat) P No.1(flat)	· · · · · ·	BRACING- TOP CHORD	Structural wood sheathing o end verticals.	lirectly applied or 6-0-0 oc purlins, except
OTHEF	2x4 SF S 2x4 SF	? No.3(flat)		BUT CHORD	Rigid ceiling directly applied	for 10-0-0 oc bracing.

### REACTIONS. All bearings 14-1-14.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 24, 13, 23, 22, 21, 20, 19, 18, 17, 16, 15, 14

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

NOTES- (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



Job	Truss	Truss Type	Qty	Ply	LOT 0.0098 BLAKE POND   87 WHIMBREI	COURT LILLINGTON, NC
23-B587-F01	F1-02	Floor	6	1	Job Reference (optional)	# 44208
			0 100 5 1 1	0.0004.0.		T 1 10 00 05 00 0001 D

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1-6-0 1-6-0	4-0-0 2-6-0	9- 5-	1-8 1-8	11-7-8 2-6-0	13	3-10-14 14-1-14 2-3-6 0-3-0
Plate Olisets (A, f)	[1.Euge,0-1-o], [15.Euge,0-1-o]					
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 0.30 BC 0.58 WB 0.56 Matrix-SH	DEFL.         in         (loc)           Vert(LL)         -0.16         12           Vert(CT)         -0.22         11-12           Horz(CT)         0.04         9	l/defl L/d >999 480 >762 360 n/a n/a	<b>PLATES</b> MT20 Weight: 71 I	<b>GRIP</b> 244/190 b FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF	² No.1(flat) ² No.1(flat)		BRACING- TOP CHORD Struct end ve	tural wood sheathing d erticals	irectly applied or 6	-0-0 oc purlins, except

2x4 SP No.3(flat) WEBS

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

REACTIONS. (Ib/size) 15=759/0-7-14 (min. 0-1-8), 9=765/0-4-4 (min. 0-1-8)

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

TOP CHORD 15-16=-753/0, 1-16=-752/0, 1-2=-1027/0, 2-3=-2403/0, 3-4=-3009/0, 4-5=-3009/0, 5-6=-2727/0, 6-7=-1699/0

BOT CHORD 13-14=0/1924, 12-13=0/2845, 11-12=0/3018, 10-11=0/2402, 9-10=0/959

WEBS 1-14=0/1169, 2-14=-1096/0, 2-13=0/584, 3-13=-540/0, 5-11=-355/0, 6-11=0/397, 6-10=-858/0, 7-10=0/904, 7-9=-1202/0

NOTES-(4-5)

0-1-8

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

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

3) CAUTION, Do not erect truss backwards.

4) Graphical 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



Job	Truss	Truss Type	Qty Ply LOT 0.0098 BLAKE PO	OND   87 WHIMBREL COURT LILLINGTON, NC
23-B587-F01	F1-03	Floor	2 1	# 44208
			Job Reference (opti Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 M	MiTek Industries, Inc. Tue Jan 16 20:25:24 2024 Page 1
0.1.0			ID:oDuWOOMhLxMOj2fwcp2aKqzMG6w-gEIy	7xynip4?m6sV_tBVN6MAc2er3ZN?MR0irSzuhDv
0-1-8	0-4-14			0-4-8
H F	- <u>+</u> i			Scale = 1:23.0
1.5x3 =	4x8 =		1.5x3	3x6 =
1	2	3	4 5 6	7 8
			B1	
		13	12	11 10
	4x4 = 3x6 =	10	3x8 =	4x4 =
1-6-0	2-0-6 3-4-14	5-10-14	<u> </u>	
Plate Offsets (X,Y) [1	7:Edge,0-1-8]	2-0-0	0-1-0	2-0-0 0-1-0
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) I/defl L/d	PLATES GRIP
TCLL 40.0	Plate Grip DOL 1.00	) TC 0.38	Vert(LL) -0.06 12 >999 480	MT20 244/190
BCLL 0.0	Rep Stress Incr YES	WB 0.54	Horz(CT) 0.01 9 n/a n/a	
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH		Weight: 74 lb F I = 20%F, 11%E
LUMBER-	lo 1(flat)		BRACING-	directly applied or 6.0.0 oc purling except
BOT CHORD 2x4 SP N	No.1(flat)		end verticals.	directly applied of 0-0-0 oc putilits, except
WEBS 2x4 SP N	No.3(flat)		BOT CHORD Rigid ceiling directly applie	d or 6-0-0 oc bracing.
REACTIONS. (lb/size)	17=-513/2-1-14 (min. 0-1-	8), 9=547/0-4-4 (min. 0-1-8), 1	5=1856/2-1-14 (min. 0-1-8), 16=-365/2-1-14 (min.	0-1-8)
Max Upi Max Gra	av 9=547(LC 4), 15=1856(LC	1)		
FORCES. (lb) - Max C	comp /Max Ten - All forces	250 (lb) or less except when sh	awa	
TOP CHORD 17-18=	0/585, 1-18=0/583, 8-9=-550	)/0, 1-2=0/911, 2-3=0/491, 3-4=	-897/0, 4-5=-1527/0, 5-6=-1527/0, 6-7=-1268/0,	
BOT CHORD 15-16=	/9/0 -1496/0, 14-15=-1447/0, 13-	14=0/396, 12-13=0/1357, 11-12	2=0/1554, 10-11=0/947	
WEBS 2-15=-7	1775/0, 1-16=-1050/0, 2-16= /303_7_10=_815/0_8_10=0/5	0/1095, 2-14=0/1139, 3-14=-10	83/0, 3-13=0/616, 4-13=-566/0, 6-11=-349/0,	
/-11-0	1000, 1-10-010/0, 0-10-0/0			
1) Unbalanced floor live	e loads have been considere	d for this design.		
2) All plates are 3x4 MT	20 unless otherwise indicate	ed.	ithstanding 575 lb unlift at joint 17 and 301 lb unlift	at
joint 16.		s to bearing plate capable of w	instanding 373 ib upint at joint 17 and 391 ib upint	a
<ol> <li>Recommend 2x6 strophenetry</li> <li>A strophenety</li> <li>A stro</li></ol>	ongbacks, on edge, spaced a at their outer ends or restrair	at 10-0-0 oc and fastened to ea	ch truss with 3-10d (0.131" X 3") nails. Strongback	ks to
5) CAUTION, Do not er	ect truss backwards.	,	the of the bases on the work Oracle Locks' in the	- 464
the member must be	ig representation does not de braced.	epict the size, type or the orient	alion of the brace on the web. Symbol only indicate	s mai
<ol> <li>Bearing symbols are design of the trues to</li> </ol>	only graphical representatio	ns of a possible bearing condition	on. Bearing symbols are not considered in the struc	ctural
				WINNITH CARO
LOAD CASE(S) Standa	ard			Nº ON according [A.II]



Job	Truss	Truss Type	Qty	Ply	LOT 0.0098 BLAKE POND   87 WHIMBREL COURT LILLINGTON, NC
23-B587-F01	F1-04	Floor	2	1	Job Reference (optional) # 44208

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	1-6-0	4-0-0	1	9-1-8	1	11-7-8	12-7-14
	1-6-0	2-6-0	1	5-1-8	1	2-6-0	1-0-6
Plate C	Offsets (X,Y) [	14:Edge,0-1-8]					
LOADII TCLL TCDL BCLL BCDL	<b>VG</b> (psf) 40.0 10.0 0.0 5.0	SPACING-2-0-0Plate Grip DOL1.00Lumber DOL1.00Rep Stress IncrYESCode IRC2021/TPI2014	<b>CSI.</b> TC 0.29 BC 0.46 WB 0.49 Matrix-SH	DEFL. i Vert(LL) -0.1 Vert(CT) -0.1 Horz(CT) 0.0	n (loc) l/defl L/d 0 11 >999 480 4 11 >999 360 3 8 n/a n/a	<b>PLATES</b> MT20 Weight: 64 lb	<b>GRIP</b> 244/190 FT = 20%F, 11%E
LUMBE TOP CI BOT CI WEBS	HORD 2x4 SP HORD 2x4 SP HORD 2x4 SP 2x4 SP	No.1(flat) No.1(flat) No.3(flat)		BRACING- TOP CHORD BOT CHORD	Structural wood sheathing of end verticals. Rigid ceiling directly applied	directly applied or 6- d or 10-0-0 oc bracii	-0-0 oc purlins, except na.

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REACTIONS. (lb/size) 14=676/0-7-14 (min. 0-1-8), 8=682/0-4-4 (min. 0-1-8)

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

TOP CHORD 14-15=-671/0, 1-15=-669/0, 7-8=-680/0, 1-2=-898/0, 2-3=-2040/0, 3-4=-2406/0, 4-5=-2406/0, 5-6=-1885/0,

6-7=-618/0 BOT CHORD 12-13=0/1679, 11-12=0/2365, 10-11=0/2293, 9-10=0/1442

WEBS 1-13=0/1022, 2-13=-953/0, 2-12=0/441, 3-12=-397/0, 5-10=-498/0, 6-10=0/541, 6-9=-1005/0, 7-9=0/859

#### NOTES-(4-5)

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

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

3) CAUTION, Do not erect truss backwards.

4) Graphical 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



Job	Truss	Truss Type	Qty	Ply	LOT 0.0098 BLAKE POND   87 WHIMBREL	COURT LILLINGTON, NC
23-B587-F01	F1-05	Floor	3	1	Job Reference (optional)	# 44208
		R	un: 8.430 s Feb 12 ID:oDuWOOMhI	2021 Print xMOj2fw	: 8.430 s Feb 12 2021 MiTek Industries, Inc. cp2aKqzMG6w-cdPiYdz1ERKj0Q0t5ID	Tue Jan 16 20:25:26 2024 Page 1 zSXRVysDZXSwlplVpwKzuhDt

	0_1_8						
	1_3_0					0-9-6	
	H <b>1-3-5</b>					Scale = 1:24.7	
	$4x4 \equiv$						
	1.5x3 =		1.5x3			4x6 =	
	1 2	3	4 <u>5</u>	6	7	8	
]					k te	ा तर्ग र	
31			$\sim$ $\square$ $\square$	$\sim$	$\sim$	W3 W1 2	، د
-			B1				•
J							
	16 15	14	13	12	11	10	
	4x6 =		3x8 =	·		4x4 =	
	1710						

	1-6-0	4-0-0	9-1-8		ر 11-7-8 I	14-1-8	15-1-14
	1-6-0	2-6-0	5-1-8		2-6-0	2-6-0	1-0-6
Plate O	ffsets (X,Y)	[1:Edge,0-1-8], [16:Edge,0-1-8]					
LOADIN TCLL TCDL BCLL BCDL	<b>IG</b> (psf) 40.0 10.0 0.0 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	CSI.         D           TC         0.39         V           BC         0.68         V           WB         0.60         H           Matrix-SH         H         H	DEFL.         in           /ert(LL)         -0.21           /ert(CT)         -0.29           dorz(CT)         0.05	(loc) l/defl L/d 12-13 >864 480 12-13 >626 360 9 n/a n/a	PLATES MT20 Weight: 76 lb	<b>GRIP</b> 244/190 FT = 20%F, 11%E
LUMBE TOP CH BOT CH WEBS	<b>R-</b> IORD 2x4 SF IORD 2x4 SF 2x4 SF	9 No.1(flat) 9 No.1(flat) 9 No.3(flat)	B T B	SRACING- OP CHORD	Structural wood sheathing o end verticals. Rigid ceiling directly applied	directly applied or 6-0 d or 10-0-0 oc bracin	0-0 oc purlins, except g.

REACTIONS. (lb/size) 16=814/0-7-14 (min. 0-1-8), 9=820/0-4-4 (min. 0-1-8)

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

TOP CHORD 16-17=-808/0, 1-17=-806/0, 8-9=-817/0, 1-2=-1112/0, 2-3=-2645/0, 3-4=-3411/0, 4-5=-3411/0, 5-6=-3288/0, 6-7=-2423/0, 7-8=-758/0

BOT CHORD 14-15=0/2088, 13-14=0/3165, 12-13=0/3503, 11-12=0/3037, 10-11=0/1773

WEBS 1-15=0/1268, 2-15=-1191/0, 2-14=0/679, 3-14=-635/0, 3-13=0/296, 5-12=-263/0, 6-12=0/306, 6-11=-750/0, 7-11=0/792, 7-10=-1240/0, 8-10=0/1053

NOTES- (4-5)

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

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

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

3) CAUTION, Do not erect truss backwards.

4) Graphical 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



Job	Truss	Truss Type	Qty	Ply	LOT 0.0098 BLAKE POND   87 WHIMBREL	COURT LILLINGTON, NC
23-B587-F01	F1-06	Floor	1	1	Job Reference (optional)	# 44208





1-4-14 1-4-14 Plate Offsets (X,Y)	1-6-6 2-10-14 5-4-14 0-1-8 1-4-8 2-6-0 [1:Edge,0-1-8], [17:Edge,0-1-8]		10-6-6 5-1-8	1	3-0-6 2-6-0	<u>14-10-14 15-1-</u> 14 <u>1-10-8 0-3-</u> 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 0.34 BC 0.67 WB 0.67 Matrix-SH	DEFL. ir Vert(LL) -0.2' Vert(CT) -0.29 Horz(CT) 0.05	n (loc) l/defl L/d 1 13 >863 480 913-14 >626 360 5 10 n/a n/a	PLATES MT20 Weight: 78 I	<b>GRIP</b> 244/190 b FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF WEBS 2x4 SF	P No.1(flat) P No.1(flat) P No.3(flat)		BRACING- TOP CHORD BOT CHORD	Structural wood sheathing end verticals. Rigid ceiling directly applie	directly applied or 6 d or 10-0-0 oc braci	i-0-0 oc purlins, except

### REACTIONS. (lb/size) 17=814/0-3-8 (min. 0-1-8), 10=820/0-4-4 (min. 0-1-8)

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

TOP CHORD 17-18=-806/0, 1-18=-804/0, 1-2=-1234/0, 2-3=-2070/0, 3-4=-3146/0, 4-5=-3465/0, 5-6=-3465/0, 6-7=-2894/0, 7-8=-1583/0

- BOT CHORD 15-16=0/1234, 14-15=0/2802, 13-14=0/3454, 12-13=0/3327, 11-12=0/2427, 10-11=0/705
- WEBS 2-16=-754/0, 1-16=0/1404, 2-15=0/991, 3-15=-894/0, 3-14=0/420, 4-14=-376/0, 6-12=-528/0, 7-12=0/570,
  - 7-11=-1030/0, 8-11=0/1072, 8-10=-1083/0

NOTES- (4-5)

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

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

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

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





			7-3-10			
Plate Offsets (X,Y)	[1:Edge,0-1-8], [4:0-1-8,Edge], [12:0-1	I-8,Edge], [14:Edge,0-1-8	3]			
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-P	<b>DEFL.</b> in Vert(LL) n/a Vert(CT) n/a Horz(CT) -0.00	(loc) l/defl L/d - n/a 999 - n/a 999 8 n/a n/a	<b>PLATES</b> MT20 Weight: 33 lb	<b>GRIP</b> 244/190 FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF WEBS 2x4 SF OTHERS 2x4 SF	No.1(flat) No.1(flat) No.3(flat) No.3(flat)		BRACING- TOP CHORD BOT CHORD	Structural wood sheathing o end verticals. Rigid ceiling directly applied	lirectly applied or 7-3 l or 6-0-0 oc bracing.	8-10 oc purlins, except

REACTIONS. All bearings 7-3-10.

(lb) - Max Uplift All uplift 100 lb or less at joint(s) 8

Max Grav All reactions 250 lb or less at joint(s) 14, 8, 13, 12, 11, 10, 9

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

### NOTES- (8-9)

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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8.
- 6) 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.

7) CAUTION, Do not erect truss backwards.

8) 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.

9) 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



300		11033	Truss Type	Qty	I IY	LOT 0.0096 BLAKE FOND   67 WHIN		LINGTON, NC
23-B587-F01		F1-08	Floor	3	1	Job Reference (optional)	#	44208
				Run: 8.430 s Feb 1 ID:oDuWOOMhL>	2 2021 Print MOj2fwcp	8.430 s Feb 12 2021 MiTek Industrie 2aKqzMG6w-Y?XSzJ?Hm2bRFj/	s, Inc. Tue Jan 162 AGDjGRXyWvjf2	20:25:28 2024 Page 1 ?T6bH3_w?DzuhDr
	<b> </b>	1-3-0				<b>—</b>	0-11-2	0 <u>-1-</u> 8
								Scale = 1:13.9
	1 3x6 =		2		3		4	
1-0-0	W1						WV3	10 1.5x3 =
	g	8		7		6	5	
	Ļ	<u>1-6-0</u>	<u>4-0-0</u> 2-6-0		6	-6-0 +	7-8-2	

		= = =	=	
Plate Offsets (X,Y)	[4:0-1-8,Edge], [9:Edge,0-1-8]			
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0	SPACING- 1-4-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr. YES	CSI. TC 0.18 BC 0.12 WB 0.18	<b>DEFL.</b> in (loc) I/defl L/d Vert(LL) -0.01 7 >999 480 Vert(CT) -0.01 7 >999 360 Horz(CT) 0.00 5 p/a p/a	PLATES         GRIP           MT20         244/190
BCDL 5.0	Code IRC2021/TPI2014	Matrix-P		Weight: 39 lb FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SF	P No.1(flat)		BRACING- TOP CHORD Structural wood sheathing	directly applied or 6-0-0 oc purlins, except

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

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

REACTIONS. (lb/size) 9=272/0-4-8 (min. 0-1-8), 5=268/0-7-14 (min. 0-1-8)

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

TOP CHORD 1-9=-268/0, 5-10=-267/0, 4-10=-266/0, 1-2=-311/0, 2-3=-563/0, 3-4=-252/0

BOT CHORD 7-8=0/574, 6-7=0/528

WEBS 1-8=0/368, 2-8=-321/0, 3-6=-336/0, 4-6=0/311

#### NOTES-(4-5)

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

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.

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



1/16/2024



Qtv

Ply

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	CSI. TC 0.17 BC 0.29 WB 0.23 Matrix-P	DEFL.         in         (loc)         l/defl         L/d           Vert(LL)         -0.01         8         >999         480           Vert(CT)         -0.03         8         >999         360           Horz(CT)         0.01         6         n/a         n/a	PLATES         GRIP           MT20         244/190           Weight: 41 lb         FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SI	P No.1(flat)		BRACING- TOP CHORD Structural wood sheathing of	directly applied or 6-0-0 oc purlins, except

BOT CHORD 2x4 SP No.1(flat) WEBS 2x4 SP No.3(flat)  TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

LOT 0.0098 BLAKE POND | 87 WHIMBREL COURT LILLINGTON, NC

REACTIONS. (Ib/size) 10=438/0-4-8 (min. 0-1-8), 6=438/0-7-14 (min. 0-1-8)

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

TOP CHORD 2-3=-927/0, 3-4=-910/0

Truss

Truss Type

BOT CHORD 9-10=0/540, 8-9=0/1321, 7-8=0/1321, 6-7=0/507

WEBS 3-9=-467/0, 2-9=0/472, 2-10=-682/0, 3-7=-488/0, 4-7=0/491, 4-6=-662/0

NOTES- (4-5)

Job

1) Load case(s) 1, 2 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

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

3) CAUTION, Do not erect truss backwards.

4) Graphical 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

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

 Uniform Loads (plf) Vert: 6-10=-7, 1-5=-67
 Concentrated Loads (lb) Vert: 3=-335
 Dead: Lumber Increase=1.00, Plate Increase=1.00
 Uniform Loads (plf) Vert: 6-10=-7, 1-5=-67
 Concentrated Loads (lb) Vert: 3=-335





	15-5-14							
Plate Offsets (X,Y)-	<ul> <li>[7:0-1-8,Edge], [21:0-1-8,Edge], [26:E</li> </ul>	dge,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> in Vert(LL) n/a Vert(CT) n/a Horz(CT) 0.00	(loc) l/defl L/d - n/a 999 - n/a 999 14 n/a n/a	PLATES         GRIP           MT20         244/190           Weight: 64 lb         FT = 20%F, 11%E			
LUMBER- TOP CHORD 2x4 3 BOT CHORD 2x4 3 WEBS 2x4 3 OTHERS 2x4 3	SP No.1(flat) SP No.1(flat) SP No.3(flat) SP No.3(flat)		BRACING- TOP CHORD BOT CHORD	Structural wood sheathing d end verticals. Rigid ceiling directly applied	lirectly applied or 6-0-0 oc purlins, except I or 10-0-0 oc bracing.			

15-5-14

### REACTIONS. All bearings 15-5-14.

(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. (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).

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



Job	Truss	Truss Type	Qty	Ply LOT 0.0098 BI	LAKE POND   87 WHIMBREL COU	JRT LILLINGTON, NC
23-B587-F01	F1-10	Floor	4	1 Iob Referen	ce (ontional)	# 44208
			Run: 8.430 s Feb 12	2 2021 Print: 8.430 s Feb 12 hl xMQi2fwcp2aKgzMG	2 2021 MiTek Industries, Inc. Tue 66w-0C5rAf?vXMiIttkSmQng4/	Jan 16 20:25:29 2024 Page 1 A31N3MuksgkViiTXfzuhDg
1-3-0		0-9-4	12.024WOON			<u>1-4-14</u> 0- <u>1</u> -8
1						Scolo = 1:28 0
						Scale = 1:38.0
	1.5	5x3				
3x6 =		3x8 FP= 3x8 =		1.5x3		1.5x3 =
1	2 T1 3 4	5 6 7	8	9 10 12	11 12	13
		M3				W1 0 1 27 9
		FT B1 FT A FT				
26 25	24 2	23 22 21 20	19	18 17	16	15 14
	3	x8 =		3x8 FP= 3x8 =		
1-6-0 4 1-6-0 2	-0-0 9- 2-6-0 5-	<u>1-8</u> <u>10-0-4</u> <u>11-4-12</u> 1-8 <u>0-10-12</u> <u>1-4-8</u>	13-10-12	<u>19-0-4</u> 5-1-8	21-6-4	23-2-2
Plate Offsets (X,Y) [1]	3:0-1-8,Edge], [26:Edge,0-1	-8]	200			
LOADING (psf)	SPACING- 1-4-	CSI.	DEFL. in	(loc) l/defl L/d	PLATES	GRIP
TCLL 40.0 TCDL 10.0	Plate Grip DOL 1.00 Lumber DOL 1.00	D TC 0.32 D BC 0.25	Vert(LL) -0.06 Vert(CT) -0.08	17 >999 480 17 >999 360	) MT20	244/190
BCLL 0.0	Rep Stress Incr YES	WB 0.41	Horz(CT) 0.01	14 n/a n/a	Weight: 116 II	b ET - 20%E 11%E
					Weight. 110 h	U 11 - 20701, 1170∟
LUMBER- TOP CHORD 2x4 SP N	lo.1(flat)		BRACING- TOP CHORD	Structural wood shea	athing directly applied or 6-0	0-0 oc purlins, except
BOT CHORD 2x4 SP N WEBS 2x4 SP N	lo.1(flat) lo.3(flat)			end verticals.	applied or 6-0-0 oc bracing	
Max Gra	v26=240/0-4-8 (min. 0-1-8) v26=302(LC 3), 14=401(LC	, 14=380/0-7-14 (min. 0-1-8), 21=10 4), 21=1057(LC 1)	157/0-4-8 (min. 0-7	1-8)		
FORCES. (lb) - Max C	omp /Max Ten - All forces	250 (lb) or less except when shown				
TOP CHORD 1-26=-2	298/0, 14-27=-397/0, 13-27=	-396/0, 1-2=-359/20, 2-3=-688/156, 3	3-4=-488/439, 4-5	-488/439, 5-6=-488/4	439,	
BOT CHORD 24-25=	-60/665, 23-24=-276/686, 22	, 9-10=-1229/0, 10-11=-1229/0, 11-1 2-23=-658/180, 21-22=-1335/0, 20-2	2=-1163/0, 12-13= 1=-1316/0, 19-20=	-234/322, 18-19=0/10	061,	
17-18= WEBS 7-21=-1	0/1061, 16-17=0/1290, 15-1 029/0, 1-25=-24/425, 2-25=	6=0/1012 -375/48, 3-23=-346/0, 6-23=0/493, 6	-22=-678/0. 7-22=	0/562.7-20=0/863.		
8-20=-8	809/0, 8-19=0/506, 9-19=-47	4/0, 12-15=-539/0, 13-15=0/631		,		
NOTES- (5-6)						
<ol> <li>Unbalanced floor live</li> <li>All plates are 3x4 MT</li> </ol>	loads have been considere 20 unless otherwise indicate	d for this design. ed.				
3) Recommend 2x6 stro	ngbacks, on edge, spaced	at 10-0-0 oc and fastened to each tr	uss with 3-10d (0.1	131" X 3") nails. Stror	ngbacks to	
4) CAUTION, Do not ere	ect truss backwards.	ied by other means.				
<ol> <li>Graphical web bracin the member must be</li> </ol>	g representation does not d braced.	epict the size, type or the orientation	of the brace on the	e web. Symbol only in	idicates that	
6) Bearing symbols are	only graphical representatio	ns of a possible bearing condition. B	earing symbols ar	e not considered in th	e structural	
	support the loads indicated					
LUAD CASE(S) Standa	rd				WHUNG CAR	1111111
					SUNN PESSI	Nill
					in the	A A A A A A A A A A A A A A A A A A A
					SEAL	11111
					28147	JE
					The state Annual	
					ARK	RALINI
					man R. M	Innan

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.

1/16/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0098 BLAKE PO	ND   87 WHIMBREL CO	URT LILLINGTON, NC
23-B587-F01	F1-10A	Floor	5	1	lah Dafamana (anti-		# 44208
			Run: 8.430 s Feb 12	2021 Print	Job Reference (optic t: 8.430 s Feb 12 2021 M	onal) iTek Industries, Inc. Tue	Jan 16 20:25:30 2024 Page 1
102 120		0 10 10	ID:oDuWOOMhI	LxMOj2tw	/cp2aKqzMG6w-VOfD	00?0Xlfr9U1JfK8lvcN	b9q1gq1JYukN1135zuhDp
		<u>-10-10</u>					
							Scale = 1:38.0
	3x8 =	3x8 FP= 3x6 =			1.5x3		1.5x3 =
1 2	34	5 6 7	8	<u>9</u> т	2 10 11	12	13
3 VA W2							W5 B 1 27
			T T				
26 25	24 23	22 21	20 19	18	17	16	15 14
3x6 =		3x6 =	4x4 =	3x8 FP	= 3x8 =		
3-10-10		0-0-4			23-2-2		
Plate Offsets (X,Y) [1:E	Edge,0-1-8], [13:0-1-8,Edge]						
LOADING (psf)	SPACING- 1-4-0	CSI.	DEFL. in	(loc)	l/defl L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.46 BC 0.34	Vert(LL) -0.06	17 16-17	>999 480	MT20	244/190
BCLL 0.0	Rep Stress Incr NO	WB 0.43	Horz(CT) 0.01	14	n/a n/a		
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH				Weight: 117 I	b FT = 20%F, 11%E
LUMBER-	1 (flot)		BRACING-	Ctructur	al wood oboothing o	directly applied or G	0.0 oo purling overat
BOT CHORD 2x4 SP No	p.1(flat)		TOP CHORD	end vert	ticals.	inectly applied of 6-	o-o oc punins, except
WEBS 2x4 SP No	o.3(flat)		BOT CHORD	Rigid ce	eiling directly applied	d or 6-0-0 oc bracing	].
REACTIONS. (lb/size)	26=425/0-4-8 (min. 0-1-8),	14=363/0-7-14 (min. 0-1-8), 2 <sup>-</sup>	1=1224/0-4-8 (min. 0-1	-8)			
Max Grav	26=487(LC 3), 14=384(LC 4	4), 21=1224(LC 1)					
FORCES. (lb) - Max. Co	mp./Max. Ten All forces 2	50 (lb) or less except when sho	own. 506 5-6=-301/506				
6-7=0/15	89, 7-8=0/820, 8-9=-525/25	5, 9-10=-1100/0, 10-11=-1100/	0, 11-12=-1085/0,				
12-13=-5 BOT CHORD 25-26=0/	040/0 /605, 24-25=0/1529, 23-24=	0/1529, 22-23=-88/877, 21-22=	943/0, 20-21=-1589/0				
19-20=-4	132/118, 18-19=-104/906, 17	7-18=-104/906, 16-17=0/1187,	15-16=0/958				
4-22=-81	4/0, 6-22=0/833, 6-21=-882	/0, 7-20=0/912, 8-20=-846/0, 8	-19=0/533,				
9-19=-50	)2/0, 9-17=0/269, 12-15=-51	0/0, 13-15=0/598					
NOTES- (6-7)	oads have been considered	for this design					
2) All plates are 3x4 MT2	0 unless otherwise indicate	d.			_		
<ol> <li>Load case(s) 1, 2, 3, 4 use of this truss.</li> </ol>	, 5, 6 has/have been modifie	ed. Building designer must revi	ew loads to verify that th	hey are o	correct for the intend	ded	
4) Recommend 2x6 stron	igbacks, on edge, spaced at	10-0-0 oc and fastened to eac	ch truss with 3-10d (0.1	31" X 3"	) nails. Strongbacks	s to	
5) CAUTION, Do not erec	t truss backwards.	ed by other means.					
<ol> <li>Graphical web bracing the member must be b</li> </ol>	representation does not de	pict the size, type or the orienta	ation of the brace on the	e web. Sy	ymbol only indicates	s that	14.
7) Bearing symbols are o	nly graphical representation	s of a possible bearing condition	on. Bearing symbols are	e not con	sidered in the struct	tural UNITH CAA	POUL
design of the truss to s	support the loads indicated.					STAN OFESSI	6 North
1) Dead + Eloor Live (bal	d anced): Lumber Increase=1	00 Plate Increase=1.00				I for 1	Ser all
Uniform Loads (plf)		, 1 ate morease - 1.00				SEAL	
Vert: 14-26=-7 Concentrated Loads (II	, 1-13=-67 b)					28147	
Vert: 3=-335	/					The AND	A MARTIN
Uniform Loads (plf)	e- 1.00, male increase=1.00	)				ARK	RALININ
Vert: 14-26=-7	, 1-13=-67					man K. M	aman
						1/16/2	2024

Job Tr	Truss	Truss Type	Qty	Ply	LOT 0.0098 BLAKE POND   87 WHIMBREL COU	RT LILLINGTON, NC
23-B587-F01 F1	-1-10A	Floor	5	1	Job Reference (optional)	# 44208

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Jan 16 20:25:30 2024 Page 2 ID:oDuWOOMhLxMOj2fwcp2aKqzMG6w-VOfDO?0XIfr9U1JfK8IvcNb9qTgqTJYukNT135zuhDp

LOAD CASE(S) Standard Concentrated Loads (lb) Vert: 3=-335 3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 14-26=-7, 1-7=-67, 7-13=-13 Concentrated Loads (lb) Vert: 3=-335 4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 14-26=-7, 1-7=-13, 7-13=-67 Concentrated Loads (lb) Vert: 3=-335 5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 14-26=-7, 1-7=-67, 7-13=-13 Concentrated Loads (lb) Vert: 3=-335 6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 14-26=-7, 1-7=-13, 7-13=-67 Concentrated Loads (lb) Vert: 3=-335



Job	Truss	Truss Type	Qty	Ply LOT 0.	0098 BLAKE POND	87 WHIMBREL COUI	RT LILLINGTON, NC
23-B587-F01	F1-11	Floor	3	1 Iob B	oforonoo (ontional	N N	# 44208
0 <sub>[</sub> 3 <sub>1</sub> 8 <sub> -</sub> 1-3-0	<u>I</u>	1-5-12	Run: 8.430 s Feb 12 ID:oDuWOOM	2021 Print: 8.430 hLxMOj2fwcp2ał	SFeb 12 2021 MITek (qzMG6w-zaDbbl	, Industries, Inc. Tue Ji 1A3zz06Bururp89b	an 16 20:25:31 2024 Page 1 8L7t13Cjj1z1CabYzuhDo 0-6-8 0-10-8 Scale = 1:37.6
3x6 = 5x6 = $1 W2^{2}$ 28 27 26 5x6 =	$ \begin{array}{c} 1.5x3    \\ 3 1 4 5 \\ \hline 2 5 \\ 3x8 = \end{array} $	3x8 FP = 3x6 = 6 7 8 = 6 7 7 8 = 6 7 8 = 6 7 8 = 6 7 8 = 6 7 8 = 6 7 8 = 6 7 8 = 6 7 8 = 6 7 8 = 6 7 8 = 6 7 8 = 6 7 7 8 = 6 7 7 8 = 6 7 7 8 = 6 7 7 8 = 7 8	9 22 4x4 =	1. 10 12 20 3x8 FP= 3	5x3    11 12 19 19 5x8 =	13 8 18	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
0-8-0 0-8-0 Plate Offsets (X,Y) [1:E	<u>10-0-4</u> 9-4-4 :dge,0-1-8], [28:Edge,0-1-8]			<u>22-</u> 12-	6-4		23-2-4 0-8-0
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING-1-4-0Plate Grip DOL1.00Lumber DOL1.00Rep Stress IncrNOCode IRC2021/TPI2014	<b>CSI.</b> TC 0.43 BC 0.27 WB 0.63 Matrix-SH	DEFL.         in           Vert(LL)         -0.06           Vert(CT)         -0.07           Horz(CT)         0.01	(loc) l/defl 19 >999 18-19 >999 16 n/a	L/d 480 360 n/a	<b>PLATES</b> MT20 Weight: 119 lb	<b>GRIP</b> 244/190 FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SP No BOT CHORD 2x4 SP No WEBS 2x4 SP No	0.1(flat) 0.1(flat) 0.3(flat)		BRACING- TOP CHORD BOT CHORD	Structural woo end verticals. Rigid ceiling di	d sheathing dire rectly applied or	ctly applied or 6-0 6-0-0 oc bracing.	-0 oc purlins, except
REACTIONS. (Ib/size) Max Grav	28=1054/0-4-8 (min. 0-1-8) 28=1115(LC 2) 23=1120(L	, 23=1120/0-4-8 (min. 0-1-8), 1 C 1) 16=399(LC 3)	16=378/0-4-0 (min. 0-1	-8)			
FORCES. (lb) - Max. Co		50 (lb) or less except when sho	own.				

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

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

3) Load case(s) 1, 2, 3, 4, 5 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

4) Standard loadcase(s) has been removed. Building designer must review loads shown to verify that they are correct for the intended use of the truss.

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.

## LOAD CASE(S)

 Dead: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 16-28=-7, 1-15=-67 Concentrated Loads (lb) Vert: 2=-870
 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 16-28=-7, 1-8=-67, 8-15=-13 Concentrated Loads (lb) Vert: 2=-870



Job	Truss	Truss Type	Qty	Ply	LOT 0.0098 BLAKE POND   87 WHIMBRE	COURT LILLINGTON, NC
23-B587-F01	F1-11	Floor	3	1	Job Reference (optional)	# 44208
			Pup: 8 /30 c Ech 12	2021 Drint	· 8 430 c Eeb 12 2021 MiTek Industries Inc.	Tuo Jan 16 20:25:31 2024 Page 2

ID:oDuWOOMhLxMOj2fwcp2aKqzMG6w-zaDbbL1A3zz06Bururp89b8L7t13Cjj1z1CabYzuhDo

LOAD CASE(S)

3) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf) Vert: 16-28=-7, 1-8=-13, 8-15=-67 Concentrated Loads (lb)

- Vert: 2=-870
- 4) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf)
- Vert: 16-28=-7, 1-8=-67, 8-15=-13
- Concentrated Loads (lb)
- Vert: 2=-870
- 5) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf)
- Vert: 16-28=-7, 1-8=-13, 8-15=-67 Concentrated Loads (lb)
- Vert: 2=-870



1/16/2024

$\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 0.0098 BLAKE PON	D   87 WHIMBREL COU	RT LILLINGTON, NC
$\frac{1}{90} + \frac{1}{90} $	23-B587-F01	F1-11A	Floor	6	1	Ich Reference (ontion	nal)	# 44208
$\frac{1}{12} + \frac{1}{12} $				Run: 8.430 s Feb 12	2021 Print:	8.430 s Feb 12 2021 MiT	ek Industries, Inc. Tue J	an 16 20:25:32 2024 Page 1
$\begin{aligned} & \text{Subset 1376} \\ & Subse$	0 <sub>1</sub> 318 1-3-0		0 <sub>1</sub> 4 <sub>1</sub> 0 <u>1-0-4</u>	ID:0DuWOOMINLXN	лОј2тwср2	aKqzMG6w-Rnnzph20	OQH5TKL I 1 SZKNNONV	<u>0-10-8</u> م-318 <u>0-10-8</u> م-210 <u>0-10-8</u> م-318
$\begin{array}{c} 10^{2} = & 10^{2} & 10^$								Scale = 1:37.6
448 = 468 = 468 = 36 FP = 1.561       36 = 1.561			5x12 =					4x6 =
Plan         744         748 <td>4x8 = <sup>1</sup> W2</td> <td>3 <sub>1</sub></td> <td>4x8 = 3x8 5 6 7</td> <td>FP= 8</td> <td>9</td> <td>1.5x3    10</td> <td>12</td> <td>3x6 = 13<sub>W2</sub>14</td>	4x8 = <sup>1</sup> W2	3 <sub>1</sub>	4x8 = 3x8 5 6 7	FP= 8	9	1.5x3    10	12	3x6 = 13 <sub>W2</sub> 14
<sup>1</sup> / <sub>2</sub> 2       21       20       19       18       17       16 <sup>1</sup> / <sub>2</sub> 3 <sup>7</sup> / <sub>2</sub> 3 <sup>7</sup> / <sub>2</sub> 4 <sup>1</sup> / <sub>2</sub> 4							82	
4.6 =       4.4 =       3.6 PP= 3.6 =       4.6 =         (250)       760       760       760 + 1100 + 120 + 11000 + 1100 + 11000 + 11000 + 1100 + 1100 + 11000 + 11000 + 11000 +	30 29 28	27	26 25 24 23	22 21	20	19	18	17 16 15
043,         749         77,8942         19,102,1         2244         2334           Plate Offsets (XV)-         1156g.0-1.8)	4x6 =		4x4 = 4x10 =	4x4 =	3x8 F	P= 3x8 =		4x6 =
140         740         778892         9-10 <sup>2</sup> 1-10         1-10								
Bit         Test			10-0-4					
Plate Offsets (XY)- (1:Edge.0-1-8)         Photo         Directory           LOADING (ps) TCLL 40.0 TCLL 40.0 TCLL 40.0 TCLL 40.0 Rep Bress har         SPACING- Plate Grip DCL 10.0 Rep Bress har         1-4-0 Lumber DOL 10.0 Rep Bress har         C3. Code IRC2021/TPL2014         DEFL. Wert(CT) - 0.08 26-27 - 5999 480 Wert(CT) - 0.08 26-27 - 5990 480 Wert(CT) - 0.08 26-27 - 5990 480 Wert(CT) - 0.08 26-27 - 5991 4912 - 5991 49	0-8-0 0-8-0	7-6-0 6-10-0	<u>7-7-88-9-2</u> 9-10-12 0-1-8 1-1-10 1-1-10 0-1-8			22-6-4 12-6-0		0-8-0
LOADING (psf)         SPACING- Tot, 1, 40.0 United Grip DOL Lumber DOL BCDL 5.0         CS: Coll 5:0         DEFL To 0.49 Tot 0.49 Weight: 10.00 B26-27 - 9999 480 Weight: 10.00 B26-27 - 9999 480 Weight: 123 Ib FT = 20%F, 11%E           LUMBER: TOP CHORD 2x4 SP No.1(flat) BCD CHORD 2x4 SP No.1(flat) WEISS 2x4 SP No.1(flat) WEISS 2x4 SP No.1(flat) WEISS 2x4 SP No.1(flat) WEISS 2x4 SP No.2(flat) WEISS 2x4 SP No.2(flat)         BRACING- TOP CHORD R WISS 2x4 SP No.2(flat)         Weight: 123 Ib FT = 20%F, 11%E           REACTIONS: WEISS 2x4 SP No.2(flat) WEISS 2x4 SP No.2(flat)         BT CHORD R WEISS 2x4 SP No.2(flat)         Weight: 123 Ib FT = 20%F, 11%E           REACTIONS: WEISS 2x4 SP No.2(flat)         TOP CHORD R WISS 2x4 SP No.2(flat)         Weight: 123 Ib FT = 20%F, 11%E           REACTIONS: WEISS 2x4 SP No.2(flat)         SPACING- TOP CHORD R WISS 2x4 SP No.2(flat)         Weight: 123 Ib FT = 20%F, 11%E           REACTIONS: WEISS 2x4 SP No.2(flat)         SPACING- 100 CHORD P 2x3 PS No.2(flat)         WEISS 2x3 SP No.2(flat)         WEISS 2x3 SP No.2(flat)           REACTIONS: WEISS 5-23-12870, 0.24 - 15140, 0.45 - 161400, 45 - 164000, 58 - 231/335, 0533 12-35 - 4900 PS PS NOTES         SPACING, 14 - 690 PS PS PS NOTES         SPACING, 12 - 290 PS PS P	Plate Offsets (X,Y) [1:E	dge,0-1-8]	1-1-10 0-1-0					
BCLL         0.0         Rep Stress Incr         NO         WB 0.62         Horz(CT)         0.02         23         n/a         Weight: 123 lb         FT = 20%F, 11%E           LUMBER- TOP CHORD         2x4 SP No.1[flat]         BRACING- TOP CHORD         TOP CHORD         Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.         BRACING- TOP CHORD         Rigid ceiling directly applied or 6-0-0 oc bracing.           W2:3: 2x4 SP No.3[flat]         Do CHORD         Rigid ceiling directly applied or 6-0-0 oc bracing.         BCCL           REACTIONS.         (Ib/size)         15=330(0-4-0 (min. 0-1-8), 23=1934(0-4-8 (min. 0-1-8), 30=1223(0-4-8 (min. 0-1-8))         BOT CHORD         Rigid ceiling directly applied or 6-0-0 oc bracing.           REACTIONS.         (Ib/size)         15=330(0-4-0 (min. 0-1-8), 23=1934(0-4-8 (min. 0-1-8), 30=1223(0-4-8 (min. 0-1-8))         BOT CHORD         Rigid ceiling directly applied or 6-0-0 oc bracing.           TOP CHORD         14.15=-345(0, 23=-12404, 0-123=1934(0, 4-5=18400, 5-6=-331(35, 6-7=0/1321, -7=04013)         Ess complexity 11=-343276, 21=-3440(90, 22=32124, 44/565, 12=3=-40900           BOT CHORD         29-30-0480, 22=32124, 44/20, 21=2-444/565, 12=2-304444/565, 12=2-304444/565, 12=2-304444/565, 12=2-304444/565, 12=2-304444/565, 12=2-304444/565, 12=2-304444/565, 12=2-304444/565, 12=2-304444/565, 12=2-304444/565, 12=2-304444/565, 12=2-304444/565, 12=2-304444/565, 12=2-3046, 22=3424, 22=40444/565, 12=2-3046, 22=3424, 22=40444/565, 12=2-3046, 22=34444/565, 12=2-3046, 22=34444/565, 12=2	LOADING (psf) TCLL 40.0 TCDL 10.0	SPACING-1-4-0Plate Grip DOL1.00Lumber DOL1.00	<b>CSI.</b> TC 0.49 BC 0.42	<b>DEFL.</b> in Vert(LL) -0.06 Vert(CT) -0.08	(loc)   19 > 26-27 >	/defl L/d •999 480 •999 360	PLATES MT20	<b>GRIP</b> 244/190
LUMBER- TOP CHORD 2x4 SP No.1[flat] BTACING: TOP CHORD 2x4 SP No.1[flat] BTOT CHORD 2x4 SP No.1[flat] BTOT CHORD 2x4 SP No.1[flat] WESS 2x4 SP No.3[flat] *Except* WS: 2x4 SP No.3[flat] *Except* BTOT CHORD B Reactions: (lb/size) 15=330(0-4-0 (min. 0-1-8), 23=1934(0-4-8 (min. 0-1-8), 30=1223(0-4-8 (min. 0-1-8)) Max Grav15=330(0-4-0 (min. 0-1-8), 23=1934(0-4-8 (min. 0-1-8), 30=1223(0-4-8 (min. 0-1-8)) Max Grav15=330(0-4-0 (min. 0-1-8), 23=1934(0-4-8 (min. 0-1-8), 30=1223(0-4-8 (min. 0-1-8)) Max Grav15=330(0-4-0 (min. 0-1-8), 30=1223(0-4-8 (min. 0-1-8)) Mox Comp. Max. Ton All forces 250 (lb) for less except when shown. TOP CHORD 14.15=-345(0, 2.3=-1240(0, 0-1-8-13275, 10-11-8-13/275, 10-11-8-13/275, 10-11-8-13/275, 10-11-8-13/275, 10-11-8-13/275, 10-20-444/565, 10-20-2444/565, 10-20-2444/565, 10-20-2444/565, 10-20-2444/565, 10-20-24-44/565, 10-20-24-44/565, 10-20-24-44/565, 10-20-24-44/565, 10-20-24-44/565, 10-20-24-140/965, 17-18-90/822, 20-221-444/565, 10-20-21, -524-1930(0, 0-22-9-0051, 9-22-9-00519, 9-20-24-44/565, 10-20-20-1, 5-24-1930(0, 0-22-9-0051, 9-22-9-00519, 9-20-20-1, 10-20-201, 5-24-1930(0, 0-22-9-0051, 9-22-9-0051, 9-22-9-00533, 12-17-930(0, 0-23-9-1500, 0-23-9-1500, 0-20-9-1033, 12-17-9395/17, 13-17-0/365, 14-16-0/426 NOTES (6) 1) Unblanced for live loads have been considered for this design. 2) All plates are 33 AM T20 unless otherwise indicated. 3) Load case(s), 1, 2, 3, 4, 5, 6 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss. CDAD CASE(S) Standard 1) Dead + Floor Live (balanced): Lumber Increase=1.00 Uniform Loads (pil) Vext: 15-30-7, 1-14-67 Concentrated Loads (b) Vext: 2-870 58-935 2) Bead + Thoor Live (balanced): Lumber Increase=1.00,	BCDL 0.0 BCDL 5.0	Rep Stress Incr NO Code IRC2021/TPI2014	WB 0.62 Matrix-SH	Horz(C1) 0.02	23	n/a n/a	Weight: 123 lb	FT = 20%F, 11%E
REACTIONS.       (Ib/size)       15=330(0-4-0       (min. 0-1-8), 33=1233/0-4-8       (min. 0-1-8), 33=1233/0-4-8         FORCES.       (Ib)       - Max. Comp. Max. Ten All forces 250 (Ib) or less except when shown.       TOP CHORD       14=15=-3450, 0-23=-1214/0, 4-5=-1340(0, 56=-331/335, 6-7=0/1321, 7-8=0/1321, 8-9=-129/654, 9-10==813/275, 10-11==813/275, 11-12=-906/53, 12-13=-409/0         BOT CHORD       29-30=0/839, 28-290/840, 9-72-8=0/1682, 26-27=0/1923, 25-26=0/1787, 24-25=0/1787, 23-24=-21/40, 0:2-23=-21/240, 0:2-23=-21/240, 0:2-23=-20/1630, 2-28=0/539, 3-28=-477/0, 6-24=0/2201, 5-24=-19330, 6-22=0/951, 8-22=-890/0, 8-21=-900/0, 9-21=-572/0, 9-19=0/333, 12-17=-395/17, 13-17=0/365, 14-16=0/426         WEBS       6.0         NOTES-       (6)         1) Unbalanced floor live loads have been considered for this design.         2) All plates are 3dA MT20 unless otherwise indicated.         3) Load case(s) 1, 2, 3, 4, 5, 6 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.         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         1) Dead Limber Increase=1.00, Plate Increase=1.00         Uniform Loads (pfl)       Vert: 2-370 5=-335         2) Dead: Limber Increase=1.00, Plate Increase=1.00, Plate Increase=1.00,	LUMBER- TOP CHORD 2x4 SP No BOT CHORD 2x4 SP No WEBS 2x4 SP No W3: 2x4 S	n.1(flat) n.1(flat) n.3(flat) *Except* P No.2(flat)		BRACING- TOP CHORD BOT CHORD	Structura end verti Rigid cei	al wood sheathing di cals. ling directly applied o	rectly applied or 6-0 or 6-0-0 oc bracing.	-0 oc purlins, except
FORCES. (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown.         TOP CHORD       14.15=-345/0, 2-3=-1291/0, 3-4=-1814/0, 4-5=-1840/0, 5-6=-331/335, 6-7=0/1321, 7.8=0/1321, 8-9=-1296(65, 4).9=0-1813/275, 10-11-9=-90(653, 12-13=-499/0         BOT CHORD       29-30=-0/839, 28-29=0/840, 27-28=0/1682, 26-27=0/1923, 25-26=0/1787, 24-25=0/1787, 23-24=-123/0, 21-22=-892/0, 20-21=-444/565, 13-20=-444/565, 18-19=-140/965, 17-18=0/682         WEBS       6-23=-1887/0, 2-30=-1540/0, 13-16=-363/0, 2-28=0/539, 3-28=-477/0, 6-24=0/2201, 5-24=-1330, 6-22=0/539, 3-28=-477/0, 6-24=0/2201, 5-24=-1330, 6-22=0/539, 3-28=-477/0, 6-24=0/2201, 5-24=-1330, 6-22=0/539, 3-28=-477/0, 6-24=0/2201, 5-24=-1330, 6-22=0/539, 3-28=-477/0, 6-24=0/2201, 5-24=-1330, 6-22=0/539, 3-28=-477/0, 6-24=0/2201, 5-24=-1330, 6-22=0/539, 3-28=-477/0, 6-24=0/2201, 5-24=-1330, 6-22=0/539, 3-28=-477/0, 6-24=0/2201, 5-24=-1330, 6-22=0/539, 3-28=-477/0, 6-24=0/2201, 5-24=-1330, 6-22=0/539, 3-28=-477/0, 6-24=0/2201, 5-24=-1330, 6-22=0/539, 3-28=-477/0, 6-24=0/2201, 5-24=-1330, 6-22=0/539, 3-28=-477/0, 6-24=0/2201, 5-24=-1330, 6-22=0/539, 3-28=-477/0, 6-24=0/2201, 5-24=-1330, 6-22=0/539, 3-28=-477/0, 6-24=0/2201, 5-24=-1330, 6-22=0/539, 3-28=-477/0, 6-24=0/2201, 5-24=-1330, 6-22=0/539, 3-28=-477/0, 6-24=0/2201, 5-24=-1330, 6-22=0/539, 3-28=-477/0, 6-24=0/2201, 5-24=-1330, 6-22=0/539, 3-28=-477/0, 6-24=0/2201, 5-24=-1330, 6-22=0/539, 3-28=-477/0, 6-24=0/2201, 5-24=-1330, 6-22=0/54, 6-20,	REACTIONS. (Ib/size) Max Grav	15=330/0-4-0 (min. 0-1-8), 15=350(LC 4), 23=1934(LC	23=1934/0-4-8 (min. 0-1-8), 30 1), 30=1286(LC 3)	=1223/0-4-8 (min. 0-1	-8)			
<ul> <li>18-19=-140/965, 17-18=0/822</li> <li>WEBS 6-23=-1887/0, 2-30=-1540/0, 13-16=-363/0, 2-28=0/539, 3-28=-477/0, 6-24=0/2201, 5-24=-1933/0, 6-22=0/951, 8-22=-900/0, 8-21=0/607, 9-21=-572/0, 9-19=0/333, 12-17=-395/17, 13-17=0/365, 14-16=0/426</li> <li>NOTES- (6)</li> <li>1) Unbalanced floor live loads have been considered for this design.</li> <li>2) All plates are 3x4 MT20 unless otherwise indicated.</li> <li>3) Load case(s) 1, 2, 3, 4, 5, 6 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.</li> <li>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.</li> <li>5) CAUTION, Do not erect truss backwards.</li> <li>LOAD CASE(S) Standard</li> <li>1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00</li> <li>Uniform Loads (pl) Vert: 15:30=-7, 1-14=-67</li> <li>Concentrated Loads (b) Vert: 2=-870 5=-935</li> <li>2) Dead: Lumber Increase=1.00, Plate Increase=1.00</li> <li>Uniform Loads (pl) Vert: 15:30=-7, 1-14=-67</li> <li>Concentrated Loads (b) Vert: 2=-870 5=-935</li> <li>3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00</li> </ul>	FORCES. (lb) - Max. Co TOP CHORD 14-15=-3 7-8=0/13 BOT CHORD 29-30=0/ 23-24=-2	mp./Max. Ten All forces 2 45/0, 2-3=-1291/0, 3-4=-18 21, 8-9=-129/654, 9-10=-81 839, 28-29=0/840, 27-28=0 124/0, 22-23=-2124/0, 21-2	50 (Ib) or less except when shot 14/0, 4-5=-1840/0, 5-6=-331/335 3/275, 10-11=-813/275, 11-12=- /1682, 26-27=0/1923, 25-26=0/1 2=-892/0, 20-21=-444/565, 19-2	vn. 5, 6-7=0/1321, 906/53, 12-13=-499/0 787, 24-25=0/1787, 0=-444/565,				
NOTES- (6)         1) Unbalanced floor live loads have been considered for this design.         2) All plates are 3x4 MT20 unless otherwise indicated.         3) Load case(s) 1, 2, 3, 4, 5, 6 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.         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         1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00         Uniform Loads (plf)         Vert: 15-30=-7, 1-14=-67         Concentrated Loads (lb)         Vert: 2=-870 5=-935         2) Dead: Lumber Increase=1.00, Plate Increase=1.00         Uniform Loads (plf)         Vert: 15-30=-7, 1-14=-67         Concentrated Loads (lb)         Vert: 2=-870 5=-935         3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00	18-19=-1 WEBS 6-23=-18 5-24=-19 12-17=-3	40/965, 17-18=0/822 87/0, 2-30=-1540/0, 13-16= 33/0, 6-22=0/951, 8-22=-90 95/17, 13-17=0/365, 14-16:	:-363/0, 2-28=0/539, 3-28=-477/ 10/0, 8-21=0/607, 9-21=-572/0, 9 =0/426	0, 6-24=0/2201, -19=0/333,				
<ul> <li>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.</li> <li>5) CAUTION, Do not erect truss backwards.</li> <li>LOAD CASE(S) Standard <ol> <li>Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00</li> <li>Uniform Loads (plf)</li> <li>Vert: 2=-870 5=-935</li> </ol> </li> <li>2) Dead: Lumber Increase=1.00, Plate Increase=1.00</li> <li>Uniform Loads (plf)</li> <li>Vert: 15-30=-7, 1-14=-67</li> <li>Concentrated Loads (lb)</li> <li>Vert: 2=-870 5=-935</li> <li>3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00</li> </ul>	NOTES- (6) 1) Unbalanced floor live lo 2) All plates are 3x4 MT2 3) Load case(s) 1, 2, 3, 4 use of this truss	oads have been considered 0 unless otherwise indicate , 5, 6 has/have been modifi	for this design. d. ed. Building designer must revie	w loads to verify that tl	hey are c	orrect for the intende	ed	
LOAD CASE(S) Standard 1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 15-30=-7, 1-14=-67 Concentrated Loads (plf) Vert: 2=-870 5=-935 2) Dead: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 2=-870 5=-935 3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00	<ul> <li>4) Recommend 2x6 stron be attached to walls at</li> <li>5) CAUTION, Do not erect</li> </ul>	gbacks, on edge, spaced a their outer ends or restrain t truss backwards.	t 10-0-0 oc and fastened to eac ed by other means.	h truss with 3-10d (0.1	31" X 3")	nails. Strongbacks	to	
2) Dead: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 15-30=-7, 1-14=-67 Concentrated Loads (lb) Vert: 2=-870 5=-935 3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00	LOAD CASE(S) Standard 1) Dead + Floor Live (bala Uniform Loads (plf) Vert: 15-30=-7, Concentrated Loads (III)	i anced): Lumber Increase=1 , 1-14=-67	.00, Plate Increase=1.00			111.	PROFESSIO	Martin Harris
Concentrated Loads (lb) Vert: 2=-870 5=-935 3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00	Vert: 2=-870 5 2) Dead: Lumber Increase Uniform Loads (plf)	-7 =-935 e=1.00, Plate Increase=1.00	)			nhunstur.	SEAL 28147	Minnin .
	vert: 15-30=-7, Concentrated Loads (It Vert: 2=-870 5= 3) 1st Dead + Floor Live (	, 1-14=-07 5) 935 (unbalanced): Lumber Incre	ase=1.00, Plate Increase=1.00			5	ARK K. MO	RRE

Continuing by Jacign 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.

1/16/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0098 BLAKE POND   87 WHIMBREI	COURT LILLINGTON, NC
23-B587-F01	F1-11A	Floor	6	1	Job Reference (optional)	# 44208
			400 - E-L 4	0004 0	0 400 - E-L 40 0004 MET-L Is double a las	T I 40.00.05.00.0004 D

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 Millek Industries, Inc. Tue Jan 16 20:25:32 2024 Page 2 ID:oDuWOOMhLxMOj2fwcp2aKqzMG6w-Rnnzph2oqH5tkLT1SZKNhohV\_HK2xA7ABhy88\_zuhDn

LOAD CASE(S) Standard Uniform Loads (plf) Vert: 15-30=-7, 1-6=-67, 6-14=-13 Concentrated Loads (lb) Vert: 2=-870 5=-935 4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 15-30=-7, 1-6=-13, 6-14=-67 Concentrated Loads (lb) Vert: 2=-870 5=-935 5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 15-30=-7, 1-6=-67, 6-14=-13 Concentrated Loads (lb) Vert: 2=-870 5=-935 6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 15-30=-7, 1-6=-13, 6-14=-67

Concentrated Loads (lb)

Vert: 2=-870 5=-935

SEAL 2814" NAVIN AND MARINE CONTRACTOR

1/16/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0098 BLAKE PO	ND   87 WHIMBREL CO	URT LILLINGTON, NC
23-B587-F01	F1-12	Floor	4	1	Job Poforonae (anti-		# 44208
		1	Run: 8.430 s Feb 12	⊥ 2 2021 Prin MOi2fwee'	1300 Relefence (option t: 8.430 s Feb 12 2021 Mi 2aKgzMG6w-vzKI 003	Tek Industries, Inc. Tue QaaDkI U2D2GrcE0	Jan 16 20:25:33 2024 Page 1 DiYai0aghKOI hhaOzuhDm
0-1-8 H	1-0-6						1-5-0 Scale = 1:25.8
	3x8 = 2 W3 16 15 14	3 2 3 13	1.5x3    45 B112 3x8 =	6	11	7	3x6 = 8 W1 1 0
<u>1-6-0</u> <u>1-6-0</u> Plate Offsets (X,Y) [ <b>LOADING</b> (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	2-7-14         4-0-6           1-1-14         1-4-8           [17:Edge,0-1-8]	6-6-6 2-6-0 TC 0.31 BC 0.24 WB 0.41 Motiv SH	11-7-14           5-1-8           DEFL.         in           Vert(LL)         -0.05           Vert(CT)         -0.07           Horz(CT)         0.01	(loc) 12 11-12 9	I/defl L/d >999 480 >999 360 n/a n/a	14-1-14 2-6-0 PLATES MT20	<b>GRIP</b> 244/190
LUMBER- TOP CHORD 2x4 SP BOT CHORD 2x4 SP WEBS 2x4 SP	No.1(flat) No.1(flat) No.3(flat)	Matrix-SH	BRACING- TOP CHORD BOT CHORD	Structur end ver Rigid ce	al wood sheathing d ticals. siling directly applied	lirectly applied or 6-	0-0 oc purlins, except
REACTIONS. (Ib/size Max Uj Max G	e) 17=-348/0-7-14 (min. 0-1-6 plift17=-409(LC 4) rav 9=394(LC 4), 15=1092(LC	3), 9=393/0-4-0 (min. 0-1-8), 15 1)	i=1092/0-4-8 (min. 0-1	-8)			
FORCES. (lb) - Max. TOP CHORD 17-18 7-8=-4 BOT CHORD 15-16	Comp./Max. Ten All forces 2 3=0/414, 1-18=0/413, 8-9=-389 553/0 5=-1205/0, 14-15=-1197/0, 12-	250 (lb) or less except when sho /0, 1-2=0/654, 2-3=0/472, 3-4=- 13=0/959, 11-12=0/1223, 10-11	own. -586/0, 4-5=-1145/0, 5- =0/982	6=-1145/	/0, 6-7=-1115/0,		
WEBS 2-15= NOTES- (6-7) 1) Unbalanced floor lin 2) All plates are 3x4 M 3) Provide mechanica 4) Recommend 2x6 st be attached to walls 5) CAUTION, Do not e 6) Graphical web brac the member must b 7) Bearing symbols ar design of the truss f	1063/0, 1-16=-751/0, 2-16=0, ve loads have been considered I connection (by others) of trus trongbacks, on edge, spaced a s at their outer ends or restrain erect truss backwards. ing representation does not de b braced. re only graphical representation to support the loads indicated.	689, 2-14=0/861, 3-14=-804/0, d for this design. d. s to bearing plate capable of wi t 10-0-0 oc and fastened to eac ed by other means. epict the size, type or the orienta ns of a possible bearing condition	3-13=0/494, 4-13=-462 thstanding 409 lb uplift ch truss with 3-10d (0.1 ation of the brace on the on. Bearing symbols are	2/0, 7-10 at joint 1 I31" X 3" e web. S e not con	=-524/0, 8-10=0/636 ) nails. Strongbacks ymbol only indicates isidered in the struct	s to that ural	
LOAD CASE(S) Stand	dard					INNINGTH CAN	ROLANI



Job	Truss	Truss Type	Qty	Ply	LOT 0.0098 B	LAKE PON	ND   87 WHIMBREL CC	OURT LILLINGTON, NC
23-B587-F01	F1-13	Floor	2		1	aa (antia)		# 44208
			Run: 8.430 s Feb 12	1 2 2021 Prii xMOi2fwo	nt: 8.430 s Feb 1	2 2021 Mi /-N9ukDN	Tek Industries, Inc. Tue //321 ul bzedQZ Nrn	Jan 16 20:25:34 2024 Page 1 Dmul43EP7xTf_RECtzuhDl
0-1-8			.5.0541100		op_aqoor			
H <b>⊢</b> <u>1-3-0</u>	1-0-6						F	1-4-14 0-1-8 Scale = 1:26.1
1.5x3 =	3x8 =		1.5x3					1.5x3 =
1 1	2	3	4 5	6			7	8
	W3							W4 19 9
	i 🛛 Ti		B1 0			1		
	6 45 14	13	12		11		10	
			3x8 =					
<u> </u>	<u>- 2-7-14 + 4-0-6</u> <u>1-1-14 + 1-4-8</u>	<u>6-6-6</u> 2-6-0	<u>11-7-14</u> 5-1-8				14-1-14 2-6-0	15-9-12 1-7-14
Plate Offsets (X,Y) [8	3:0-1-8,Edge], [17:Edge,0-1-8	<u>]</u>						
LOADING (psf) TCLL 40.0	SPACING- 1-4-0 Plate Grip DOL 1.00	) <b>CSI.</b> ) TC 0.31	DEFL. in Vert(LL) -0.05	(loc) 12	l/defl L/c >999 480	1 )	PLATES MT20	<b>GRIP</b> 244/190
TCDL 10.0 BCLL 0.0	Lumber DOL 1.00 Rep Stress Incr YES	BC 0.24 WB 0.41	Vert(CT) -0.07 Horz(CT) 0.01	11-12 9	>999 360 n/a n/a	) a		
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH	. ,				Weight: 80 lb	FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SP BOT CHORD 2x4 SP WEBS 2x4 SP	No.1(flat) No.1(flat) No.3(flat)		BRACING- TOP CHORD BOT CHORD	Structu end ve Rigid c	iral wood she rticals. eiling directly	athing di applied	rectly applied or 6 or 6-0-0 oc bracin	-0-0 oc purlins, except g.
REACTIONS. (Ib/size) Max Up Max Gr	) 17=-346/0-7-14 (min. 0-1- lift17=-407(LC 4) av9=390(LC 4), 15=1090(LC	8), 9=389/0-7-14 (min. 0-1-8), 1 1)	15=1090/0-4-8 (min. 0-	1-8)				
FORCES. (lb) - Max. ( TOP CHORD 17-18:	Comp./Max. Ten All forces =0/412, 1-18=0/411, 9-19=-38	250 (Ib) or less except when sho 36/0, 8-19=-385/0, 1-2=0/652, 2-	own. -3=0/469, 3-4=-587/0, 4	I-5=-114	4/0, 5-6=-11	14/0,		
6-7=-1 BOT CHORD 15-16= WEBS 2-15=-	112/0, 7-8=-551/0 =-1201/0, 14-15=-1193/0, 12- 1061/0, 1-16=-748/0, 2-16=0	13=0/960, 11-12=0/1222, 10-11 /687_2-14=0/860_3-14=-803/0	=0/977	1/0 7-10	)=-520/0 8-1(	)=0/609		
NOTES- (6-7) 1) Unbalanced floor liv 2) All plates are 3x4 M 3) Provide mechanical 4) Recommend 2x6 str be attached to walls 5) CAUTION, Do not e 6) Graphical web braci the member must be 7) Bearing symbols are design of the truss to	e loads have been considere T20 unless otherwise indicate connection (by others) of trus ongbacks, on edge, spaced a at their outer ends or restrair rect truss backwards. ng representation does not de braced. o only graphical representatio o support the loads indicated	d for this design. d. sto bearing plate capable of wi at 10-0-0 oc and fastened to ea led by other means. epict the size, type or the orientant ns of a possible bearing condition	ithstanding 407 lb uplift ch truss with 3-10d (0. ation of the brace on th	at joint 131" X 3 e web. S e not col	17. ") nails. Stroi Symbol only ir	ngbacks ndicates le structu	to that ural	
LOAD CASE(S) Stand	ard						MARTHUM	liliter
							UNITERTH CA	OLIMIN



Job	Truss	Truss Type	Qty	Ply	LOT 0.0098 BLAKE POND   87 WHIMBRE	L COURT LILLINGTON, NC
23-B587-F01	F1-14	GABLE	1	1	Job Reference (optional)	# 44208
		P	up: 8/130 s Eeb 12	2021 Print	8 430 s Eeb 12 2021 MiTek Industries Inc.	Tue Ian 16 20:25:35 2024 Page 1





⊢ <u>1-4-0</u> 1- 1-4-0 0-	610 2-8-0 3-8-14 3-10-6 5-2-14 2-0 1-2-0 1-0-14 0-1-8 1-4-8	7-8-14 2-6-0	+ <u>12-10-6</u> 5-1-8	<u>15-6-12</u> <u>15-9-12</u> 2-8-6 0-3-0
Plate Olisets (X, Y)	[18:Edge,0-1-8], [20:0-1-8,0-0-8]			
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 IRC2021/TPI2014	<b>CSI.</b> TC 0.31 BC 0.20 WB 0.37 Matrix-SH	DEFL.         in         (loc)         l/defl         L/d           Vert(LL)         -0.04         12         >999         480           Vert(CT)         -0.05         12         >999         360           Horz(CT)         0.01         10         n/a         n/a	PLATES         GRIP           MT20         244/190           Weight: 82 lb         FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF WEBS 2x4 SF OTHERS 2x4 SF	P No.1(flat) P No.1(flat) P No.3(flat) P No.3(flat)		BRACING-         TOP CHORD       Structural wood sheathing end verticals.         BOT CHORD       Rigid ceiling directly applie	directly applied or 6-0-0 oc purlins, except d or 6-0-0 oc bracing.
REACTIONS. All be	earings 3-11-14 except (it=length) 10=	0-7-14.		

(lb) - Max Uplift All uplift 100 lb or less at joint(s) 18, 16 except 17=-211(LC 4) Max Grav All reactions 250 lb or less at joint(s) 18, 17, 16 except 10=354(LC 4), 15=936(LC 1)

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

TOP CHORD 2-3=0/986, 3-4=0/337, 4-5=-581/0, 5-6=-983/0, 6-7=-983/0, 7-8=-793/0

- BOT CHORD 16-17=-555/0, 15-16=-555/0, 14-15=-986/0, 13-14=0/257, 12-13=0/879, 11-12=0/994, 10-11=0/565
- WEBS 3-15=-534/0, 2-17=0/542, 2-15=-633/0, 3-14=0/769, 4-14=-713/0, 4-13=0/397, 5-13=-365/0, 8-11=0/279, 8-10=-643/0

NOTES- (7-8)

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

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

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) 18, 16 except (jt=lb) 17=211.

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



Job	Truss	Truss Type	Qty	Ply	LOT 0.0098 BLAKE POND   87 WHIMBREI	L COURT LILLINGTON, NC
23-B587-F01	F1-15	Floor	5	1	Job Reference (optional)	# 44208
			00 - 5-6 44		Job Reference (optional)	T 1 40.00.05.00.000



1-6-0 1-6-0	4-0-0 2-6-0	ļ	9-1-8 5-1-8	I	<u>11-7-8</u> 2-6-0	12-5-12
Plate Offsets (X,Y)	[7:0-1-8,Edge], [14:Edge,0-1-8]					
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 IRC2021/TPI2014	CSI. TC 0.18 BC 0.30 WB 0.32 Matrix-SH	<b>DEFL.</b> in Vert(LL) -0.00 Vert(CT) -0.00 Horz(CT) 0.02	n (loc) I/defl L/d 5 11 >999 480 9 11 >999 360 2 8 n/a n/a	PLATES MT20	<b>GRIP</b> 244/190 FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 S BOT CHORD 2x4 S WEBS 2x4 S	P No.1(flat) P No.1(flat) P No.3(flat)		BRACING- TOP CHORD BOT CHORD	Structural wood sheathing end verticals. Rigid ceiling directly applie	directly applied or 6-0- ed or 10-0-0 oc bracing	-0 oc purlins, except

### REACTIONS. (lb/size) 14=444/0-7-14 (min. 0-1-8), 8=444/0-7-14 (min. 0-1-8)

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

TOP CHORD 14-15=-441/0, 1-15=-440/0, 8-16=-445/0, 7-16=-444/0, 1-2=-588/0, 2-3=-1331/0, 3-4=-1556/0, 4-5=-1556/0,

5-6=-1189/0, 6-7=-334/0

- BOT CHORD 12-13=0/1100, 11-12=0/1539, 10-11=0/1473, 9-10=0/881
- WEBS 1-13=0/669, 2-13=-624/0, 2-12=0/283, 3-12=-253/0, 5-10=-347/0, 6-10=0/375, 6-9=-668/0, 7-9=0/499

NOTES- (3-4)

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

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 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



Job	Truss	Truss Type	Qty	Ply	LOT 0.0098 BLAKE PO	ND   87 WHIMBREL COU	RT LILLINGTON, NC
23-B587-F01	F1-16	Floor Supported Gable	1	1	Job Reference (optio	nal)	# 44208
			Run: 8.430 s Fel	0 12 2021 Prir hLxMOi2fw	it: 8.430 s Feb 12 2021 Mi	Tek Industries, Inc. Tue J D6wepi9a6M?E6wYOs	an 16 20:25:37 2024 Page 1 OTOI8ccaawLvfupBzuhDi
0 <sub>1</sub> 18							0 <sub>[1]</sub> 8
							Scale = 1:20.3
			3x4 =				
1 2	3	4 5	6	7	8	9	10 11
			4	•	<u> </u>	<u>e</u>	
	ST1 ST1	ST1 ST1	W2 ST1	ST1	ST1	ST1	
	•		B1 .			•	
						*****	
22 2	21 20	19 18 2×4 -	17	16	15	14	13 12
5,4 []		374 -	_				3,4
			12-5-12				
Plate Offsets (X,Y) [0	6:0-1-8,Edge], [18:0-1-8,Edg	e], [22:Edge,0-1-8]	12-3-12				
LOADING (psf)	SPACING- 2-0-	-0 <b>CSI</b> .	DEFL.	in (loc)	l/defl L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.0	00 TC 0.06	Vert(LL) r	n/a -	n/a 999	MT20	244/190
BCLL 0.0	Rep Stress Incr YE	S WB 0.03	Horz(CT) 1	va - 00 18	n/a 999 n/a n/a		
BCDL 5.0	Code IRC2021/TPI201	4 Matrix-SH				Weight: 53 lb	FT = 20%F, 11%E
			PRACING				

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

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

#### REACTIONS. All bearings 12-5-12.

(lb) - Max Uplift All uplift 100 lb or less at joint(s) 12

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).

Gable studs spaced at 1-4-0 oc.

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12.

6) 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.

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 0.0098 BLAKE POND   87 WHIMBREL COUF	RT LIL	LINGTON, NC
23-B587-F01	F1-19	Floor Supported Gable	2	1	Job Reference (optional)	#	44208
0.1.9		Run: 8.4 ID:oDuV	30 s Feb 12 VOOMhLxI	2021 Print: MOj2fwcp2	8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Ja 2aKqzMG6w-Gw8E3k6ZP7r0SGxBopRnx3x	an 16 2 e9hTr	20:25:38 2024 Page 1 rL1q3acPSLezuhDh
٥Ho							Scale = 1:23.3
							00000 112010
		3х	4 =				3x4
1 2	3 4	5 6 7		8	9 10	11	12
25 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ST1 S	1 ST1 ST1 W2 S	T1	€ ST1	o o ST1 ST1	● ST1	
						$\frac{1}{\sqrt{2}}$	
24 23	22 21	20 19 1	<u> </u>	17	16 15	14	13
3x4		3x4 =					3x4

14-3-14 14-3-14							
Plate Offsets (X,Y)	[7:0-1-8,Edge], [13:Edge,0-1-8], [19:0	)-1-8,Edge], [24: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	<b>DEFL.</b> in Vert(LL) n/a Vert(CT) n/a Horz(CT) 0.00	(loc) I/defl L/d - n/a 999 - n/a 999 13 n/a n/a	PLATES         GRIP           MT20         244/190           Weight: 60 lb         FT = 20%F, 11%E		
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF WEBS 2x4 SF OTHERS 2x4 SF	P No.1(flat) P No.1(flat) P No.3(flat) P No.3(flat)		BRACING- TOP CHORD BOT CHORD	Structural wood sheathing o end verticals. Rigid ceiling directly applied	lirectly applied or 6-0-0 oc purlins, except I or 10-0-0 oc bracing.		

**REACTIONS.** All bearings 14-3-14.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 24, 13, 23, 22, 21, 20, 19, 18, 17, 16, 15, 14

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

NOTES- (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



Job	Truss	Truss Type	Qty	Ply	LOT 0.0098 BLAKE POND   87 WHIMBREL COUR	T LILLINGTON, NC
23-B587-F01	F1-20	Floor	8	1	Job Reference (optional)	# 44208

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MITek Industries, Inc. Tue Jan 16 20:25:38 2024 Page 1 ID:oDuWOOMhLxMOj2fwcp2aKqzMG6w-Gw8E3k6ZP7r0SGxBopRnx3xaIhKZLvV3acPSLezuhDh

0-1-8 1-3-0

н⊢

1-2-6 Scale = 1:23.3



1-6-0	4-0-0	9-1-	-8	11-7-8	14-0-14 14-3-14
1-6-0	2-6-0	5-1-	-8	2-6-0	2-5-6 0-3-0
Plate Offsets (X,Y)	[1:Edge,0-1-8], [15: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 0.30 BC 0.60 WB 0.56 Matrix-SH	DEFL.         in         (loc           Vert(LL)         -0.17         11-12           Vert(CT)         -0.23         11-12           Horz(CT)         0.04         5	) I/defi L/d 2 >999 480 2 >735 360 9 n/a n/a	PLATES         GRIP           MT20         244/190           Weight: 72 lb         ET = 20%E 11%E
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF	2 No.1(flat)	WattAon	BRACING- TOP CHORD Struc	ctural wood sheathing d	irectly applied or 6-0-0 oc purlins, except

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

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

REACTIONS. (lb/size) 15=768/0-7-14 (min. 0-1-8), 9=774/0-4-8 (min. 0-1-8)

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

TOP CHORD 15-16=-762/0, 1-16=-761/0, 1-2=-1041/0, 2-3=-2443/0, 3-4=-3076/0, 4-5=-3076/0, 5-6=-2821/0, 6-7=-1819/0

BOT CHORD 13-14=0/1952, 12-13=0/2898, 11-12=0/3099, 10-11=0/2509, 9-10=0/1091

WEBS 1-14=0/1186, 2-14=-1112/0, 2-13=0/600, 3-13=-555/0, 5-11=-339/0, 6-11=0/380, 6-10=-842/0, 7-10=0/889, 7-9=-1308/0

### NOTES-(4-5)

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

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

3) CAUTION, Do not erect truss backwards.

4) Graphical 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

