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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 #: 46666 JOB: 24-1220-F02 JOB NAME: LOT 0.0093 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. *21 Truss Design(s)*

Trusses:

F201, F202, F202A, F203, F204, F205, F205A, F206, F207, F208, F209, F210, F211, F212, F213, F214, F215, 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 *Good Practice for*

Job	Truss	Trus	s Type		Qt	v Plv	LOT 0.00	3 BLAKE POND I	150 WHIMBREL		LINGTON NC	
24-1220-F02	F201	Floo	Supported Gable		1		1			Ħ	46666	
					Rup: 8.430 s	Feb 12 2021 Pr	Job Refe	erence (optional) Industries Inc. Mo	m Mar 18 2	1.20.40.2024 Pa	<u>ne 1</u>
					ID:WI8	rkg6BK5SaR\	CYGf9_0xy	wFJ5-p7Di6dlA	eA6fDC_hmNt?	to94eQx0	AISXzp1Y3Gz	Zc29
0- <u>1</u> -8												
											Casla - 1/	00 7
											Scale = 12	28.7
1.5x3		1.5x3 1.5	x3									
1.5x3 = 1.5	5x3 1.5x3	3x8 FP=	1.5x3	3x4 =	1.5x3	1.5x3	1.5x3	1.5x3	1.5x3	1.5x3	3x4	
1 2	T1 ³	4 5 6	7	8	9	¹⁰ T2	11	12	13	14	15	
		<u> </u>	• •	A	•	e '2	•	9		•	Ē	
°¦°'B⊞ S	T1 ST1	ST1 S	11 ST1 W	2 ST1	ST1	ST1	ST1	ST1	ST1	ST1	W/1	-2-0
`	-	B1				, 		B2			[‡	
	XXXXXXXXXXX	XXXXXXXXX	XXXXXXXXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXX	XXXXXXX	XXXXXXX	XXXX	XXXX	
30 2	9 28	27 2	6 25	24	23 2	2 21	20	19	18	17	16	
3x4 1.5	5x3 1.5x3	1.5x3 1.5	x3 3x4 =	1.5x3	3x8	FP=	1.5x3	1.5x3	1.5x3	1.5x3	3x4	
					1.5x3	1.5x3						
				47	5.40							
				17-	5-12 5-12							
Plate Offsets (X,Y)	- [8:0-1-8,Edge], [25	:0-1-8,Edge], [30	:Edge,0-1-8]									_
LOADING (psf)	SPACING-	2-0-0	CSI.		DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP		
TCLL 40.0	Plate Grip D	OL 1.00	TC 0.07		Vert(LL)	n/a -	n/a	999	MT20	244/19	90	
BCLL 0.0	Rep Stress	Incr YES	WB 0.03		Horz(CT)	0.00 16	n/a n/a	n/a				
BCDL 5.0	Code IRC20)21/TPI2014	Matrix-SH		()				Weight: 76	lb FT	= 20%F, 11%	ΒE

LUMBER-

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

BRACING-TOP CHORD BOT CHORD

Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 17-5-12.

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

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

NOTES-(6)

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

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

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

5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



3/18/2024



LUMBER-

WFBS

TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP SS(flat) *Except*

B2: 2x4 SP No.1(flat) 2x4 SP No.3(flat)

TOP CHORD Structural wood sheathing directly applied or 5-9-2 oc purlins, except end verticals BOT CHORD

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

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

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

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

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

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

NOTES-(5)

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

2) All plates are MT20 plates unless otherwise indicated.

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

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

4) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



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NOTES- (5)

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

2) All plates are MT20 plates unless otherwise indicated.

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

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

LOAD CASE(S) Standard





REACTIONS. (lb/size) 16=816/Mechanical, 9=816/Mechanical

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

TOP CHORD 2-3=-1545/0, 3-4=-2532/0, 4-5=-2874/0, 5-6=-2601/0, 6-7=-1691/0

BOT CHORD 15-16=0/861, 14-15=0/2196, 13-14=0/2874, 12-13=0/2874, 11-12=0/2874, 10-11=0/2308, 9-10=0/1040

WEBS 4-14=-602/0, 3-14=0/485, 3-15=-847/0, 2-15=0/892, 2-16=-1161/0, 5-11=-542/0, 6-11=0/446, 6-10=-803/0, 7-10=0/847,

7-9=-1286/0

NOTES- (4)

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

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

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

LOAD CASE(S) Standard



3/18/2024



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

BRACING-TOP CHORD BOT CHORD

Structural wood sheathing directly applied or 6-0-0 oc purlins, exce end verticals. Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 16=544/Mechanical, 9=544/Mechanical

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

TOP CHORD 2-3=-1030/0, 3-4=-1688/0, 4-5=-1916/0, 5-6=-1734/0, 6-7=-1127/0

BOT CHORD 15-16=0/574, 14-15=0/1464, 13-14=0/1916, 12-13=0/1916, 11-12=0/1916, 10-11=0/1539, 9-10=0/693

WEBS 4-14=-402/0, 3-14=0/324, 3-15=-565/0, 2-15=0/594, 2-16=-774/0, 5-11=-361/0, 6-11=0/298, 6-10=-536/0, 7-10=0/565,

NOTES- (4)

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

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

7-9=-857/0

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.

LOAD CASE(S) Standard



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Plate Offsets (A, f)	[4.0-1-0,Euge], [5.0-1-0,Euge], [17.Eu	ige,0-3-0]		
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 1-9-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.34 BC 0.73 WB 0.37 Matrix-SH	DEFL. in (loc) l/defl L/d Vert(LL) -0.15 12-13 >999 480 Vert(CT) -0.21 12-13 >883 360 Horz(CT) 0.04 9 n/a n/a	PLATES GRIP MT20 244/190 Weight: 79 lb FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF	P No.1(flat) P No.1(flat)		BRACING- TOP CHORD Structural wood sheathin end verticals.	g directly 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) 9=741/0-3-8 (min. 0-1-8), 17=736/0-3-6 (min. 0-1-8)

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

TOP CHORD 8-9=-743/0, 2-3=-1549/0, 3-4=-2413/0, 4-5=-2714/0, 5-6=-2476/0, 6-7=-1681/0, 7-8=-313/0

BOT CHORD 16-17=0/948, 15-16=0/2119, 14-15=0/2714, 13-14=0/2714, 12-13=0/2714, 11-12=0/2219, 10-11=0/1117

4-15=-542/0, 3-15=0/434, 3-16=-741/0, 2-16=0/783, 2-17=-1170/0, 5-12=-487/0, 6-12=0/400, 6-11=-700/0, 7-11=0/734, WEBS 7-10=-1047/0, 8-10=0/756

NOTES-(4)

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

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

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

LOAD CASE(S) Standard



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	6-4-13	7-4-13	8-4-13	15-4-	8
I	6-4-13	1-0-0	1-0-0	6-11-1	1
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- 1-4-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.27 BC 0.56 WB 0.29 Matrix-SH	DEFL. i Vert(LL) -0.1 Vert(CT) -0.1 Horz(CT) 0.0	n (loc) l/defl L/d 2 12-13 >999 480 6 12-13 >999 360 3 9 n/a n/a	PLATES GRIP MT20 244/190 Weight: 78 lb FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SI BOT CHORD 2x4 SI WEBS 2x4 SI	P No.1(flat) P No.1(flat) P 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

. ...

- . ..

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

....

REACTIONS. (lb/size) 9=555/0-3-8 (min. 0-1-8), 17=555/Mechanical

~ . . .

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

TOP CHORD 8-9=-556/0, 2-3=-1055/0, 3-4=-1738/0, 4-5=-1990/0, 5-6=-1832/0, 6-7=-1252/0

BOT CHORD 16-17=0/586, 15-16=0/1500, 14-15=0/1990, 13-14=0/1990, 12-13=0/1990, 11-12=0/1651, 10-11=0/834

WEBS 4-15=-428/0, 3-15=0/340, 3-16=-579/0, 2-16=0/610, 2-17=-790/0, 5-12=-346/0, 6-12=0/289, 6-11=-519/0, 7-11=0/544,

7-10=-781/0, 8-10=0/565

NOTES-(4)

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

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

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

LOAD CASE(S) Standard



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L	0-0-3	1-0-3		15-7-	44
Diata Offacta (X.V.)	0-8-3	1-0-0) 1-0-0	6-11-	-11
Plate Olisets (A, f)	[4.0-1-0,Euge], [5.0-1-0,Euge], [17.Eu	ige,0-3-0j		1	
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 PCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES	CSI. TC 0.41 BC 0.83 WB 0.43 Matrix SH	DEFL. ir Vert(LL) -0.18 Vert(CT) -0.24 Horz(CT) 0.05	(loc) I/defi L/d 12-13 >999 480 12-13 >772 360 9 n/a n/a	PLATES GRIP MT20 244/190
BCDL 5.0	Code IRC202 1/1 F120 14	Mault-SH			Weight. 79 ID FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF	P No.1(flat) P No.1(flat)		BRACING- TOP CHORD	Structural wood sheathing d end verticals.	irectly applied or 6-0-0 oc purlins, except
WEBS 2x4 SF	P No.3(flat)		BOT CHORD	Rigid ceiling directly applied	or 10-0-0 oc bracing.

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

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

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

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

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

NOTES-(4)

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

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

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

3) CAUTION, Do not erect truss backwards

LOAD CASE(S) Standard



3/18/2024

du	TTUSS	Truss Type		QUY	Fiy	LOT 0.0093 BLA	AKE POND 150 V	WHIMBREL COURT	LILLINGTON, NC
4-1220-F02	F207	Floor Supported Gable		1	1	Job Reference	e (optional)	#	46666
0 ₁ 1-8			Run: 8.430 ID:pN	s Feb 122 lqJz?gO_	2021 Print: 6c5LWiSf	8.430 s Feb 12 2 iGO4QyyWlk-a	021 MiTek Indust agiknMrBmd6XI	ries, Inc. Mon Mar 18 BRbEE31tBUUTge	3 20:29:48 2024 Page 1 egu2wUip3z_LozZc2
									Scale = 1:25.7
1.5x3 1.5x3 ≕ 1.5x3	1.5x3 1.5x3	1.5x3 1.5	5x3	1.5x3	11	1.5x3	1.5x3	1.5x3 1.5	5x3 3x4
1 2	3 4	5 6	7	8		9	10	11 1	2 13
	ST1 ST1	ST1 S	B10	ST1		ST1	ST1	ST1 S	
26 25	24 23	22 2 ⁻	1 20	19		18	17	16 1	5 14
3x4 1.5x3	1.5x3 1.5x3	1.5x3 3	3x4 = 1.5x3 ∥	1.5x3		1.5x3	1.5x3	1.5x3 1.5	5x3 3x4

ł				15-7-12		
Plate O	ffsets (X,Y)	[7:0-1-8,Edge], [21:0-1-8,Edge], [26:E	dge,0-1-8]			
LOADIN TCLL TCDL BCLL BCDL	IG (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. TC 0.06 BC 0.01 WB 0.03 Matrix-SH	DEFL. in (loc) I/defl Vert(LL) n/a - n/a Vert(CT) n/a - n/a Horz(CT) 0.00 14 n/a	L/d 999 999 n/a	PLATES GRIP MT20 244/190 Weight: 69 lb FT = 20%F, 11%E
LUMBE TOP CH BOT CH WEBS OTHER	R- HORD 2x4 SP HORD 2x4 SP 2x4 SP S 2x4 SP	P No.1(flat) P No.1(flat) P No.3(flat) P No.3(flat)		BRACING- TOP CHORD Structural wo end verticals. BOT CHORD Rigid ceiling	od sheathing o directly applied	lirectly applied or 6-0-0 oc purlins, except d or 10-0-0 oc bracing.

15-7-12

REACTIONS. All bearings 15-7-12.

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

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

NOTES-(6)

1) Gable requires continuous bottom chord bearing.

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

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

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

5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



3/18/2024



Plate Offsets (X,Y)	[6:0-1-8,Edge], [18:0-1-8,Edge], [22:E	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	CSI. TC 0.06 BC 0.01 WB 0.03 Matrix-SH	DEFL. in (loc) l/defl L/d Vert(LL) n/a - n/a 999 Vert(CT) n/a - n/a 999 Horz(CT) 0.00 12 n/a n/a	PLATES GRIP MT20 244/190 Weight: 58 lb FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF WEBS 2x4 SF 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 appli	directly applied or 6-0-0 oc purlins, except ed or 10-0-0 oc bracing.

REACTIONS. All bearings 12-11-12.

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

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

NOTES-(5)

1) Gable requires continuous bottom chord bearing.

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

LOAD CASE(S) Standard



3/18/2024



		5-5-14		1_0_0	1_0_0	5_	5-14
Plate O	ffsets (X,Y)	[3:0-1-8,Edge], [4:0-1-8,Edge], [6:0-1	-8,Edge], [14:Edg	e,0-1-8]	1-0-0		
LOADIN TCLL TCDL BCLL BCDL	IG (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. TC 0.32 BC 0.58 WB 0.47 Matrix-SH		DEFL. Vert(LL) - Vert(CT) - Horz(CT)	in (loc) l/defl L/d 0.10 11-12 >999 480 0.13 9-10 >999 360 0.03 7 n/a n/a	PLATES GRIP MT20 244/190 Weight: 65 lb FT = 20%F, 11%E
LUMBE TOP CH BOT CH WEBS	R- HORD 2x4 SP HORD 2x4 SP 2x4 SP	2 No.1(flat) 2 No.1(flat) 2 No.3(flat)			BRACING- TOP CHORI BOT CHORI	 Structural wood sheathing end verticals. Rigid ceiling directly applie 	directly applied or 6-0-0 oc purlins, except d or 10-0-0 oc bracing.

7-5-14

6-5-14

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

5-5-14

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

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

5-6=-836/0

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

NOTES-(3)

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

LOAD CASE(S) Standard



12-11-12

3/18/2024

Job	Truss	Truss Type		Qty	Ply	LOT 0.0093 BLA	KE POND 150 W	HIMBREL COURT L	ILLINGTON, NC
24-1220-F02	F210	Floor		2	1	Job Reference	e (optional)	#	46666
			Run: 8	3.430 s Feb 12 D:pMa.lz?a	2021 Print:	8.430 s Feb 12 2 /iSfiGO4QvvWll	021 MiTek Industrie	es, Inc. Mon Mar 182 a2v?Tu5pMKeviFo	20:29:52 2024 Page 1 IF_e_lkhxBTZzZc1z
0-1-8				12.p.1.q02.1	,0_000211			g_1.1 aopin.coji a	
H ⁰⁻⁵⁻¹⁵ 1-3-0			2-0-0	-	0-10-3			1-	<u>0-10</u> 0-1-8
									Scale: 3/0 - 1
3x4 =									
1.5x3	1.5x3	3x4 =							1.5x3
1.5x3 =	3x4 = 3x8	FP=	3x4 =	3x4 =	Зx	8 =	3x4 =	3x4 =	= 1.5x3 =
1 2	3 4 5	6	7	8			10	11	12
			দ্ব	R		R		- R	
°, ²⁵ в∎1//2		/ 🔪 //			W4		$// \searrow$		
		B1	•		\mathbf{x}	1 1		181B2	
			_						- A
24 23	22	21	20	19	18 17	۳ 16	15	14	13
6x6 3x4	4 = 3x8 =	3x4 =	1.5x3 1	.5x3 3	x4 = 3x	4	3x8 FP=	3x4 =	6x6
						3x4 =	=		

				10-7-7	12-10-2		
1		8-5-15	1	9-5-15 10-5-15 11-8-1	12-8-10	19-3-4	1
Г		8-5-15		1-0-0 1-0-0 0-4-8 1-0-9	1-0-9 0-4-8	6-5-2	1
Plate Off	fsets (X,Y)	[7:0-1-8,Edge], [8:0-1-8,Edge], [1:	:Edge,0-3-0], [24:Edge,0	-3-0]			
LOADING TCLL TCDL BCLL BCDL	G (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. TC 0.83 BC 0.88 WB 0.38 Matrix-SH	DEFL. ir Vert(LL) -0.25 Vert(CT) -0.33 Horz(CT) 0.03	n (loc) l/defl L/d 520-21 >612 480 420-21 >451 360 3 13 n/a n/a	PLATES MT20 Weight: 100 lb	GRIP 244/190 FT = 20%F, 11%E
LUMBER TOP CHO BOT CHO WEBS	2- ORD 2x4 SP ORD 2x4 SP B2: 2x4 2x4 SP	Y No.1(flat) Y SS(flat) *Except* 4 SP No.1(flat) Y No.3(flat)		BRACING- TOP CHORD BOT CHORD	Structural wood sheathin end verticals. Rigid ceiling directly appl 6-0-0 oc bracing: 17-18,1	ng directly applied or 6-0 lied or 10-0-0 oc bracing 16-17.	-0 oc purlins, except g, Except:
REACTIC	DNS. (Ib/size Max G	≥) 24=697/0-3-6 (min. 0-1-8), 17 rav24=703(LC 3), 17=1035(LC 1	=1035/0-3-8 (min. 0-1-8) 13=376(LC 7)), 13=348/0-3-6 (min. 0-1	-8)		

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

TOP CHORD 2-3=-1058/0, 3-4=-1954/0, 4-5=-1954/0, 5-6=-1954/0, 6-7=-2133/0, 7-8=-1724/0,

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

- BOT CHORD 23-24=0/442, 22-23=0/1639, 21-22=0/2254, 20-21=0/1724, 19-20=0/1724, 18-19=0/1724, 15-16=0/698, 14-15=0/698, 13-14=0/384
- WEBS 7-20=-3990, 8-19=0/456, 9-17=-914/0, 7-21=0/562, 6-22=-383/0, 3-22=0/402, 3-23=-756/0, 2-23=0/803, 2-24=-870/0, 8-18=-1360/0, 9-18=0/775, 9-16=0/408,

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

NOTES- (4)

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

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

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

3) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply LOT 0.00	93 BLAKE POND	150 WHIMBREL COURT	LILLINGTON, NC
24-1220-F02	F211	Floor	5	1 Job Refe	erence (optional	.) #	^t 46666
		Ru	n: 8.430 s Feb 12 ID:pMqJz?aC	2021 Print: 8.430 s Fe 6c5LWiSfiGO4Q	eb 12 2021 MiTek /vWlk-weVdr3vl	Industries, Inc. Mon Mar 1 Ka9kpHCUB1cc2uXBC	8 20:29:53 2024 Page 1 Ff9ri3LRvLgk00zZc1v
0-1-8			1 1 3				, , , , , , , ,
H <mark>0-5-15 1-3-0</mark>		2-0-0					0-9-5_0-1-8
111 1 1		I.	I				Scale: 3/8"=1'
3x6 =							
1.5x3	1.5x3	3x4 =					1.5x3
1.5x3 =	3x4 = 3x8	FP= 3x4 =	3x4 =	3x4 =	1.5x3 3	3x4 = 4	1x4 = 1.5x3 =
1 2	3 4 5	6 7	8	9 T2	10	11	12 13
			R		•		
²⁵ β∰1₩2					$\sim \parallel //$		W4 1 ²⁰ 7
- T <u> 4</u>		B1 a		.		B2	
× · · ·				_			X
24 23	22	21 20	19 1	8	17	16 15	14
6x6 3x6	6 = 3x8 =	3x4 = − 1.5x3	1.5x3 3x	<4 =	3x8 =	3x8 FP= 4x4 =	6x6

	8-5-15 8-5-15	9-5-1 1-0-	15 10-5-15 0 1-0-0	<u>19-3-4</u> 8-9-5	
Plate Offsets (X,Y)	[7:0-1-8,Edge], [8:0-1-8,Edge], [24:Ed	ige,0-3-0]			
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 1-7-3 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.46 BC 0.92 WB 0.50 Matrix-SH	DEFL. in Vert(LL) -0.31 Vert(CT) -0.42 Horz(CT) 0.07	(loc) I/defl L/d 19-20 >747 480 19-20 >542 360 14 n/a n/a	PLATES GRIP MT20 244/190 Weight: 98 lb FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF WEBS 2x4 SF	^o No.1(flat) ^o No.1(flat) ^o No.3(flat)		BRACING- TOP CHORD BOT CHORD	Structural wood sheathing d end verticals. Rigid ceiling directly applied 2-2-0 oc bracing: 19-20.	irectly applied or 6-0-0 oc purlins, except or 10-0-0 oc bracing, Except:

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

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

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

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

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

NOTES- (3)

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

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

LOAD CASE(S) Standard



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

					1		
Jop	Truss	Truss Type	Q	ty Ply	LOT 0.0093 BLAKE PONE	0 150 WHIMBREL COURT	LILLINGTON, NC
24-1220-F02	F212	FLOOR	5	1	Job Reference (optiona	al) #	46666
			Run: 8.430 s ID:pMq	Feb 12 2021 Print: Jz?gO_6c5LWiSfi	8.430 s Feb 12 2021 MiTel GO4QyyWlk-Pq3?2Pw	k Industries, Inc. Mon Mar 18 yLTtgvM3NbJ8HRIkNF3Z	20:29:54 2024 Page 1 OSVrbB?QIYSzZc1x
0-1-8							
H <mark>0-5-15 1-3-0</mark>			2-0-0				0-9-7 Spolo: 2/8"=1
							Scale. 5/6 - 1
4x6 =							
1.5x3	1.5x3	3x4 =					
1.5x3 =	3x4 = 3x	8 FP= 33	$x4 \equiv 3x4$	=	3x4 = − 1.5x3	3x4 =	4x6 ≕ 3x4
1 2	3 4	5 6	7 8	Т2	9 10	11	12 13
			र्श हि			R j	
				\searrow			X84 MAI 1-1-1-
	4 07	B1	0				
24 23	22	21	20 19	18	17	16 15	
6x6 4x	6 = 3x8 =	3x4 = 1.	.5x3 1.5x3	3x4 =	3x8 =	3x8 FP= 4x6 =	3x6 =

<u> </u>	8-5-15 8-5-15	9-5	5-15 10-5-15 -0-0 1-0-0	19-: 8-9	3-6 I-7	
Plate Offsets (X,Y)	[7:0-1-8,Edge], [8:0-1-8,Edge], [24:Ed	lge,0-3-0]				
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 1-9-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.51 BC 0.64 WB 0.55 Matrix-SH	DEFL. in Vert(LL) -0.32 Vert(CT) -0.44 Horz(CT) 0.07	(loc) I/defl L/d 19-20 >718 480 19-20 >522 360 14 n/a n/a	PLATES C MT20 2 Weight: 99 lb	GRIP 244/190 FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SI BOT CHORD 2x4 SI B2: 2x WEBS 2x4 SI	P No.1(flat) P SS(flat) *Except* 4 SP 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- d or 10-0-0 oc bracing.	0 oc purlins, except

REACTIONS. (lb/size) 24=910/0-3-6 (min. 0-1-8), 14=916/0-3-8 (min. 0-1-8)

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

TOP CHORD 2-3=-1451/0, 3-4=-2978/0, 4-5=-2978/0, 5-6=-2978/0, 6-7=-3844/0, 7-8=-4151/0, 8-9=-3907/0, 9-10=-3109/0, 10-11=-3109/0, 11-12=-1652/0 BOT CHORD 23-24=0/561, 22-23=0/2316, 21-22=0/3542, 20-21=0/4151, 19-20=0/4151, 18-19=0/4151, 17-18=0/3644, 16-17=0/2484,

15-16=0/2484 14-15=0/793

WEBS 7-21=-638/12, 6-21=0/493, 6-22=-720/0, 3-22=0/846, 3-23=-1126/0, 2-23=0/1158, 2-24=-1103/0, 8-18=-584/66,

9-18=0/459, 9-17=-684/0, 11-17=0/797, 11-15=-1083/0, 12-15=0/1119, 12-14=-1204/0

NOTES-(4)

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

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

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

3) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



3/18/2024

lob	Truce			Otv	DIV				
300	11035	Tiuss Type		Qty	l'iy	LOT 0.0093 BLAKE FOND	130 WHIWBREL COURT		
24-1220-F02	F213	FLOOR		3	1	Job Reference (optional)	#	46666	
			Run: 8	3.430 s Feb 12	2021 Print:	8.430 s Feb 12 2021 MiTek I	ndustries, Inc. Mon Mar 18	20:29:56 2024 Pa	.ge 1 Zc1v
0-1-8				iD.piviqoz : gc	_000LVN				_010
0-1-0			200					0 5 15	
H ⁴⁻⁵⁻¹⁵ 1-5-0	4		2-0-0					Scale = 1:	31.2
4x6 =									
1.5x3	1.	5x3 3x4 =						4x6 =	
1.5x3 =	3x4 =	3x8 FP=	3x4 =	3x4 =		3x4 = 1.5x3	3x4 =	3x4	
1 2	3 4	456	7	8	TO	9 10	11	12 13	
	11		- Li	- test-	12	12.		En P	Ţ
								W2 W1	2-0
- 117	\checkmark		B1 D		\sim		B2		4
	°√ Ľ			9	<u>[@1</u>				1
24 2	3 2	22 21	20	19	18	17	16 15	14	
6x6 4	< 6 = 3	3x8 = 3x4 =	1.5x3 ∐	1.5x3	3x4 =	3x8 =	3x8 FP= 4x6 =	3x6 =	

F		8-5-15		1-0-0 1-0-0	8-5-	5	
Plate Of	fsets (X,Y)	[7:0-1-8,Edge], [8:0-1-8,Edge], [24:Ed	lge,0-3-0]				
LOADING TCLL TCDL BCLL BCDL	G (psf) 40.0 10.0 0.0 5.0	SPACING- 1-9-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.49 BC 0.95 WB 0.54 Matrix-SH	DEFL. in Vert(LL) -0.3 Vert(CT) -0.4: Horz(CT) 0.0	n (loc) l/defl L/d 1 19-20 >717 480 3 19-20 >520 360 7 14 n/a n/a	PLATES GRIP MT20 244/190 Weight: 98 lb FT = 2	20%F, 11%E
LUMBER TOP CH BOT CH WEBS	8- ORD 2x4 SF ORD 2x4 SF 2x4 SF	? No.1(flat) ? No.1(flat) ? No.3(flat)		BRACING- TOP CHORD BOT CHORD	Structural wood sheathing c end verticals. Rigid ceiling directly appliec	irectly applied or 6-0-0 oc pur or 2-2-0 oc bracing.	ins, except

9-5-15 10-5-15

18-11-14

Rigid ceiling directly applied or 2-2-0 oc bracing.

REACTIONS. (lb/size) 24=896/0-3-6 (min. 0-1-8), 14=902/Mechanical

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

8-5-15

TOP CHORD 2-3=-1426/0, 3-4=-2919/0, 4-5=-2919/0, 5-6=-2919/0, 6-7=-3750/0, 7-8=-4025/0, 8-9=-3750/0, 9-10=-2919/0,

10-11=-2919/0, 11-12=-1426/0 BOT CHORD 23-24=0/553, 22-23=0/2274, 21-22=0/3467, 20-21=0/4025, 19-20=0/4025, 18-19=0/4025, 17-18=0/3467, 16-17=0/2274, 15-16=0/2274, 14-15=0/553

WEBS 7-21=-601/29, 6-21=0/475, 6-22=-700/0, 3-22=0/824, 3-23=-1103/0, 2-23=0/1136, 2-24=-1087/0, 8-18=-601/30,

9-18=0/475, 9-17=-700/0, 11-17=0/824, 11-15=-1103/0, 12-15=0/1136, 12-14=-1082/0

NOTES-(5)

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

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

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

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

4) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



3/18/2024



LUMBER-

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

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.

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

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

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

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

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

NOTES-(3)

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

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

LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	LOT 0.0093 BLAKE PO	ND 150 WHIMBREL COU	JRT LILLINGTON, NO	2
24-1220-F02	F215	FLOOR	6	1	Job Reference (optic	onal)	# 46666	
			Run: 8.430 s Feb 12 ID:pMgJz?gO 6	2021 Print: 5LWiSfiG	8.430 s Feb 12 2021 Mi O4QvvWlk-HbJWum	Tek Índustries, Inc. Mon M zSPhN6OzM9a9CDbbu	ar 18 20:29:58 2024 i?igtUOJxB6dOVh[Page 1 DzZc1t
1-2-3 1-3-)		1 1 5	F	2-0-0		<u>0-8-3</u> 0- <u>1</u> -8	
							Scale =	1:35.2
	2×4 —						4×4 —	
3x4 4x6 ≕	3x4 — 3x8 FP=	3x4 = 1.5x3 3x4 =	3x4 =	3x4	= 4x4 =	3x6 =	4x4 — 1.5x3 —	
1 2	- 3 4	5 6 7	8	9	10	11	12	
			12	्रि	ja j	17 NY -		
					B			1-2-1
] [4]			<u>*/</u> {*/		<u>j</u>			ر + ا
26	25 24	23	22 21 20	19 18	17	16 15	14 13	
3x6 =	4x6 = 3x4 =	3x8 = 3	3x4 = 3x12 MT20HS FP	6x8 =	= 3x6	5x6 3x4 =	4x4 = 3x4	
			3x4	=				
		14-2-3			15-2-3 . 16-2-3 .	20-11-14		
		14-2-3		0405	<u>1-0-0</u> <u>1-0-0</u>	4-9-11		
	Eage,0-1-8], [9:0-1-8,Eage],	[10:0-1-8,Edge], [12:0-1-8,Edge	ej, [17:0-3-0,0-0-0], [18	:0-1-8,EC	igej			
LOADING (psf)	SPACING- 1-8-0	CSI.	DEFL. in	(loc)	I/defl L/d	PLATES	GRIP	
TCDL 10.0	Lumber DOL 1.00	BC 0.89	Vert(CT) -0.65	22	>385 360	MT20HS	187/143	
BCLL 0.0 BCDI 5.0	Rep Stress Incr YES	WB 0.54 Matrix-SH	Horz(CT) 0.08	13	n/a n/a	Weight: 113 lb	FT = 20%F 1	1%E
						Weight. The is	11 - 20,01,1	
LUMBER- TOP CHORD 2x4 SP N	o.1(flat)		BRACING- TOP CHORD	Structur	al wood sheathing c	lirectly applied or 4-1	0-5 oc purlins. ex	xcept
BOT CHORD 2x4 SP S	S(flat) *Except*			end vert	icals.	, , , , , , , , , , , , , , , , , , ,	· · · · · ·	
WEBS 2x4 SP N	6P No.1(flat) o.3(flat)		BOT CHORD	Rigid ce	lling directly applied	l or 10-0-0 oc bracing		
REACTIONS. (Ib/size)	26=951/0-3-8 (min. 0-1-8)	13=945/0-3-6 (min. 0-1-8)						
FORCES (Ib) - May C	omn /Max Ten - All forces (250 (lb) or less excent when sho	W/D					
TOP CHORD 13-27=-	948/0, 12-27=-946/0, 2-3=-2	2017/0, 3-4=-3452/0, 4-5=-3452/	0, 5-6=-4385/0,					
6-7=-43 BOT CHORD 25-26=0	85/0, 7-8=-4687/0, 8-9=-445)/1139, 24-25=0/2867, 23-24	;5/0, 9-10=-3942/0, 10-11=-2568 1=0/4014, 22-23=0/4640. 21-22=	3/0, 11-12=-684/0 =0/4724, 20-21=0/4724	ł.				
19-20=()/3942, 18-19=0/3911, 17-18	3=0/3942, 16-17=0/3942, 15-16=	=0/1708, 14-15=0/1710) ĺ				

WEBS 9-18=-616/0, 10-17=0/828, 9-20=-25/799, 8-20=-399/36, 7-23=-326/0, 5-23=0/473, 5-24=-732/0, 3-24=0/762, 3-25=-1107/0, 2-25=0/1143, 2-26=-1456/0, 10-16=-1714/0, 11-16=0/1091, 11-14=-1335/0, 12-14=0/1079

NOTES- (5)

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

2) All plates are MT20 plates unless otherwise indicated.

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

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

4) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



Job		Truss	Truss Type		Qty	Ply	LOT 0.0093 BLAKE POND	150 WHIMBREL COUR	T LILLINGTON, NC
24-1220-F02		F216	FLOOR SUPPORTED GABL		1	1	Job Reference (optiona	l)	# 46666
		1-3-0		Run: 8.43(ID:pMqJ) s Feb 12 z?gO_6c5	2021 Print: LWiSfiGC	8.430 s Feb 12 2021 MiTek 4QyyWlk-HbJWumzSP	์ İndustries, Inc. Mon Mar hN6OzM9q9CDbbu5Bo	18 20:29:58 2024 Page 1 31aONfB6dOVhDzZc11
	·								Scale = 1:16.8
	₁ 3x6 =		3x4 =	1.5x3	3x4 =			3x4 =	3x4
1-2-0	W1			3 T1 B1	4			°	
	3x4	10 3x4 =		9 3x8 =			8 3x4 =		3x6 =

l.			9-4-8		
Plate Offsets (X,Y)	[11:Edge,0-1-8]				
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr NO Code IRC2021/TPI2014	CSI. TC 0.32 BC 0.24 WB 0.31 Matrix-SH	DEFL. ir Vert(LL) -0.02 Vert(CT) -0.03 Horz(CT) 0.01	n (loc) l/defl L/d 2 9 >999 480 3 8-9 >999 360 7 n/a n/a	PLATES GRIP MT20 244/190 Weight: 51 lb FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SP BOT CHORD 2x4 SP WEBS 2x4 SP	P No.1(flat) P No.1(flat) P No.3(flat)		BRACING- TOP CHORD BOT CHORD	Structural wood sheathing of end verticals. Rigid ceiling directly applied 6-0-0 oc bracing: 10-11.	directly applied or 6-0-0 oc purlins, except d or 10-0-0 oc bracing, Except:

9-4-8

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

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

1-11=-523/60, 1-2=-562/78, 2-3=-1072/0, 3-4=-1072/0, 4-5=-870/6 9-10=-14/954, 8-9=0/1109, 7-8=-75/627 TOP CHORD

BOT CHORD

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

NOTES-(5)

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

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

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

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

LOAD CASE(S) Standard





	4-9-11 4-9-11	5-9-11 1-0-0	6-9-11 1-0-0	11 4-	I-7-6 9-11
Plate Offsets (X,Y)	[3:0-1-8,Edge], [4:0-1-8,Edge], [6:0-1	-8,Edge], [14:Edge,0-1-8]			
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 0.26 BC 0.50 WB 0.33 Matrix-SH	DEFL. Vert(LL) -0.0 Vert(CT) -0.0 Horz(CT) 0.0	in (loc) l/defl L/d)8 9-10 >999 480)9 9-10 >999 360)2 7 n/a n/a	PLATES GRIP MT20 244/190 Weight: 60 lb FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 S BOT CHORD 2x4 S	P No.1(flat) P No.1(flat)		BRACING- TOP CHORD	Structural wood sheathing o end verticals.	directly applied or 6-0-0 oc purlins, except

WEBS 2x4 SP No.3(flat)

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

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

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

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

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

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

NOTES-(4)

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

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

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

3) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



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			11-11-12			
1			11-11-12			
Plate Offsets (X,Y)	[6:0-1-8,Edge], [16:0-1-8,Edge], [20:E	Edge,0-1-8]				
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. ir	n (loc) l/defl L/d	PLATES G	RIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.06	Vert(LL) n/a	a - n/a 999	MT20 24	44/190
TCDI 10.0	Lumber DOL 1.00	BC 0.01	Vert(CT) n/a	a - n/a 999		
BCU 0.0	Ren Stress Incr VES	WB 0.03	Horz(CT) = 0.00) 11 n/a n/a		
BCDI 5.0	Code IRC2021/TPI2014	Matrix_SH	1012(01) 0.00		Weight: 53 lb	FT = 20%F 11%F
DODE 5.0	000011(02021/1112014	Wathx-Off			Weight: 55 lb	11 - 20%1, 11%E
LUMBER-			BRACING-			
	P No 1/flat)			Structural wood sheathing d	lirectly applied or 6.0.0	oc purlins except
	D No 1(flot)		TOP CHORD	ond verticele	meetiy applied of 0-0-0	oc pullins, except
BUT CHURD 2X4 SI						
WEBS 2x4 SI	P No.3(flat)		BOT CHORD	Rigid ceiling directly applied	or 10-0-0 oc bracing.	

11_11_12

OTHERS 2x4 SP No.3(flat)

REACTIONS. All bearings 11-11-12.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 20, 11, 19, 18, 17, 16, 15, 14, 13, 12

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

NOTES-(5)

1) Gable requires continuous bottom chord bearing.

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

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

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

LOAD CASE(S) Standard



3/18/2024

Job	Truss	Truss Type	Qty	Ply LOT 0.009	93 BLAKE POND 150	WHIMBREL COURT L	ILLINGTON, NC
24-1220-F02	F219	Floor	4	1 Job Refe	erence (optional)	#	46666
		R	un: 8.430 s Feb 12 ID:pMqJz?gO_	2021 Print: 8.430 s Fe 6c5LWiSfiGO4Qyy	b 12 2021 MiTek Indus Wlk-hA_eWo?LicIhF	tries, Inc. Mon Mar 18 2 Q5kVHmwDDWdIu1	20:30:01 2024 Page 1 WbisdoacAlYzZc1q
0-1-8							
⊣ ⊢ 1-3-0						1-4-4	0- <u>1-</u> 8 Scale = 1:19.7
3x4 =							1.5x3
1.5x3 =	$3x4 \equiv$	3x4 =		3x8 =		$3x4 \equiv$	1.5x3 =
1	2	3 T1		4		5	6
						///s	
			\sim		\searrow		
		B1					
	40		40	2			
3×4	12	11 2×4 —	10 2×4 —	9 1 5v2	8 2×4 —		
JX4	JA4 —	5.4 —	384 —	1.585	384 —		010

1-6-0	4-0-0	6-6-0	1	9-1-8	11-8-12 11 ₁ 11 ₁ 12
1-6-0	2-6-0	2-6-0		2-7-8	2-7-4 0-3-0
Plate Offsets (X,Y)	[13: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 0.27 BC 0.35 WB 0.41 Matrix-SH	DEFL. in Vert(LL) -0.06 Vert(CT) -0.08 Horz(CT) 0.02	(loc) l/defl L/d 10 >999 480 10-11 >999 360 7 n/a n/a	PLATES GRIP MT20 244/190 Weight: 62 lb FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF WEBS 2x4 SF	- ? No.1(flat) ? No.1(flat) ? No.3(flat)		BRACING- TOP CHORD BOT CHORD	Structural wood sheathing o end verticals. Rigid ceiling directly applied	directly applied or 6-0-0 oc purlins, except

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REACTIONS. (lb/size) 13=639/0-3-6 (min. 0-1-8), 7=639/0-3-6 (min. 0-1-8)

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

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TOP CHORD 13-14=-634/0, 1-14=-633/0, 1-2=-705/0, 2-3=-1584/0, 3-4=-1769/0, 4-5=-1266/0

BOT CHORD 11-12=0/1317, 10-11=0/1821, 9-10=0/1687, 8-9=0/1687, 7-8=0/831

1-12=0/852, 2-12=-795/0, 2-11=0/348, 3-11=-308/0, 4-8=-537/0, 5-8=0/566, 5-7=-1013/0 WEBS

NOTES-(2)

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

LOAD CASE(S) Standard

