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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 #: 46063 JOB: 24-1487-F01 JOB NAME: LOT 0.0130 BLAKE POND Wind Code: N/A Wind Speed: Vult= N/A Exposure Category: N/A Mean Roof Height (feet): N/A These truss designs comply with IRC 2015 as well as IRC 2018. *17 Truss Design(s)*

Trusses:

F101, F102, F103, F104, F109, F110, F111, F112, F113, F115, F117, F118, F119, F123, F124, F126, F127



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

JOD			Truss	Irus	ss Type		Q	ty P	Jy	LOT 0.0130 BLA	KE POND 95 GF	REAT SMOKY PLA	CE LILLINGTON, I	NC
24-1	487-F01		F101	GAB	LE		1		1	Job Reference	(optional)	7	# 46063	
							Run: 8.430 s ID:N?HZE	s Feb 122 EIRIFbf51	2021 Print: ZKfXuWi	8.430 s Feb 12 2 ncjzoV?p-N2T	021 MiTek Indust FpBHEhpw84h	ries, Inc. Mon Mar PMP?nJpE1Elhl	4 16:33:33 2024 F hUyTd?PmApVz	Page 1 zeFxG
	0-3-8												0 ₁ 1 ₇ 8	
													Scale =	1:24.6
													1.5x3	
			1.5x3										1.5x3	
	3x6	3x6	3x4 =	1.5x3	1.5x3	1.5x3	3x4 =	1.5x	3	1.5x3	1.5x3	1.5x3	1.5x3 =	
	12	3	4 5	6	7	8	9	10		11	12	13	1415	
		11		•	•	•		•			•	•		Ī
	3 11		ST2	ST2	ST2	ST2 W	2 ST2	ST	2	ST2	ST2	ST2	ST2	8 8
	-		Ц	Ц				Ц		Ц				-
						xxxxxxx								l
	27		~~~~~~	~~~~~~	~~~~~~	~~~~~~~			\vee \vee \vee \vee			47		
	21	20	20	24	23	22	21	20	o	19	10	17	01	
	1.5x3	1.5x3	1.5x3	1.5X3	1.5X3	3x4 =	1.5x3	1.5x	3	1.5X3	1.5x3	1.5X3	6x6	

Q-3-β 15-1-0									
0-3-8			14-9-8						
Plate Offsets (X,Y)	[2:0-3-0,Edge], [9:0-1-8,Edge], [16:Ed	dge,0-1-8], [22:0-1-8,Edg	e], [28:0-1-8,0-0-8]						
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-SH	DEFL. in Vert(LL) -0.00 Vert(CT) -0.00 Horz(CT) 0.00	(loc) l/defl L/d 1 n/r 180 1 n/r 80 16 n/a n/a	PLATES GRIP MT20 244/190 Weight: 65 lb FT = 20%F, 11%E				
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF WEBS 2x4 SF 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 end verticals. Rigid ceiling directly applie	directly applied or 6-0-0 oc purlins, except d or 10-0-0 oc bracing.				

REACTIONS. All bearings 15-1-0.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 27, 16, 26, 25, 24, 23, 22, 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.

6) Trusses designed with 2018 IRC also comply with 2015 IRC.

LOAD CASE(S) Standard





Q-3-8	6-5-8	1-5-8	8-5-8	15-1-	.0
0-3-8	6-2-0	1-0-0	1-0-0	6-7-8	3
Plate Offsets (X,Y)	[1:0-3-0,Edge], [9:0-1-8,Edge], [13:0-7	I-8,Edge], [14:0-1-8,Edge]		
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 0.48 BC 0.70 WB 0.61 Matrix-SH	DEFL. i Vert(LL) -0.1 Vert(CT) -0.2 Horz(CT) 0.0	n (loc) l/defl L/d 9 13 >906 480 7 13 >659 360 1 10 n/a n/a	PLATES GRIP MT20 244/190 Weight: 76 lb 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 d end verticals. Rigid ceiling directly applied	irectly applied or 6-0-0 oc purlins, except or 10-0-0 oc bracing.

REACTIONS. (Ib/size) 10=797/0-4-0 (min. 0-1-8), 1=803/0-3-8 (min. 0-1-8)

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

TOP CHORD 10-18=-791/0, 9-18=-789/0, 1-2=-1082/0, 2-3=-2587/0, 3-4=-2580/0, 4-5=-3293/0, 5-6=-3293/0, 6-7=-3293/0, 7-8=-2573/0, 8-9=-1086/0

BOT CHORD 15-16=0/2078, 14-15=0/3020, 13-14=0/3293, 12-13=0/3062, 11-12=0/2040

WEBS 5-14=-325/0, 1-16=0/1273, 2-16=-1188/0, 2-15=0/598, 4-15=-537/0, 4-14=0/635, 9-11=0/1237, 8-11=-1165/0, 8-12=0/651, 7-12=-596/0, 7-13=-36/577

NOTES- (5)

. . .

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) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.

4) CAUTION, Do not erect truss backwards.

5) Trusses designed with 2018 IRC also comply with 2015 IRC.

LOAD CASE(S) Standard



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0 <u>-3-8</u> 0-3-8	<u>6-5-8</u> 6-2-0		7-5-8 8-5-8 1-0-0 1-0-0		14-1-0 5-7-8
Plate Offsets (X,Y)	[1:0-3-0,Edge], [6:0-1-8,Edge], [9:0-1-	8,Edge], [14:0-1-8,Edge			
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 0.41 BC 0.66 WB 0.56 Matrix-SH	DEFL. in Vert(LL) -0.15 Vert(CT) -0.21 Horz(CT) 0.01	(loc) l/defl L/d 14 >999 480 14 >781 360 10 n/a n/a	PLATES GRIP MT20 244/190 Weight: 72 lb 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 of end verticals. Rigid ceiling directly applied	directly applied or 6-0-0 oc purlins, except d or 10-0-0 oc bracing.

REACTIONS. (lb/size) 10=742/0-4-0 (min. 0-1-8), 1=748/0-3-8 (min. 0-1-8)

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

TOP CHORD 10-18=-738/0, 9-18=-736/0, 1-2=-994/0, 2-3=-2353/0, 3-4=-2346/0, 4-5=-2850/0, 5-6=-2850/0, 6-7=-2373/0, 7-8=-2373/0, 8-9=-997/0

BOT CHORD 15-16=0/1912, 14-15=0/2701, 13-14=0/2850, 12-13=0/2850, 11-12=0/1862

1-16=0/1169, 2-16=-1095/0, 2-15=0/517, 4-15=-434/0, 4-14=-65/484, 9-11=0/1135, 8-11=-1056/0, 8-12=0/614, WEBS 6-12=-758/0

NOTES-(5)

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) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.

4) CAUTION, Do not erect truss backwards.

5) Trusses designed with 2018 IRC also comply with 2015 IRC.

LOAD CASE(S) Standard



Job			Truss			Truss Type	e			Qty	Ply	LOT 0.	0130 BLAKE F	POND 95 G	REAT SMOK	Y PLACE LI	LLINGTON,	NC
24-1487	7-F01		F104			GABLE				1		1 Job Re	eference (op	tional)		#4	6063	
									Run	n: 8.430 s Fe ID:N?H	b 12 2021 Pi ZEIRIFbf51	rint: 8.430 s ZKfXuWr	Feb 12 2021 ncjzoV?p-nd	MiTek Indus 9NRCJ7_k	tries, Inc. Mo Ijx97x48K0	n Mar_4 16:3 QtfkuujThJ	33:36 2024 B3hN_rQq2	Page 1 zeFxD
																	0- <u>1</u> -8	
																	Scale =	1:35.4
					3x8 FP=	:											1.5x3	
	3x4	1.5x3	1.5x3	1.5x3	3x4 =	1.5x3	3x4 =	1.5x3	1.5x3	1.5x3	1.5x3	3x4 =	1.5x3	1.5x3	1.5x3	1.5x3	1.5x3 =	
	1	2	3 T1	4	5	6	7	8	9	10	11 T2	12	13	14	15	16	17	
9	VAI	ST1	8 1	ST1		ST1 W		G ST1	ST1	ST1	ST1 W		ST1	ST1	ST1	Ø ST1		5 9
4	—						2 011 Bg1								B 2			-
,	XXX	XXXXX	XXXXX	XXXXX	XXXXX	(X ^{\$} XX)	(XXXXX	XXXXX	XXXXX	XXXXX	(XXXX)	XXXX	XXXXXX	XXXXX	XXXXX	XXXXX	XXX	L
	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	
	3x4	1.5x3	1.5x3	1.5x3	1.5x3	3x4 =	1.5x3	1.5x3	1.5x3	1.5x3	3x4 =	1.5x3	3x4 =	1.5x3	1.5x3	1.5x3	3x4	
													3x8 FP=					

 	<u>21-6-0</u> 21-6-0									
Plate Offsets (X,Y)	?late Offsets (X,Y) [1:Edge,0-1-8], [7:0-1-8,Edge], [12:0-1-8,Edge], [24:0-1-8,Edge], [29:0-1-8,Edge], [34: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 0.07 BC 0.01 WB 0.03 Matrix-SH	DEFL. ir Vert(LL) n/z Vert(CT) n/z Horz(CT) 0.00	n (loc) l/defl L/d a - n/a 999 a - n/a 999) 18 n/a n/a	PLATES GRIP MT20 244/190 Weight: 89 lb FT = 20%F, 11%E					
BRACING- TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(flat)										

OTHERS 2x4 SP No.3(flat)

REACTIONS. All bearings 21-6-0.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 34, 18, 33, 32, 31, 30, 29, 28, 27, 26, 25, 24, 23, 22, 21, 20,

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) 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.

6) Trusses designed with 2018 IRC also comply with 2015 IRC.

LOAD CASE(S) Standard





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

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. All bearings 7-7-0.

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

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.

5) Trusses designed with 2018 IRC also comply with 2015 IRC.

LOAD CASE(S) Standard





NOTES- (5)

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

2) CAUTION, Do not erect truss backwards.

3) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 334 lb down at 3-9-4 on top chord.

The design/selection of such connection device(s) is the responsibility of others.

4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

5) Trusses designed with 2018 IRC also comply with 2015 IRC.

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=-334(F)



Job	Truss	Trus	s Туре		Q	ty Ply	LOT	0.0130 BLAKE PONE	95 GREAT SMOKY	PLACE LILL	INGTON, NC	٦
24-1487-F01	F111	GAB	LE		1		1 Job	Reference (option:	al)	# 46	063	
0-1-8		I			Run: 8.430 s ID:N?HZ	Feb 12 202 EIRIFbf51Z	1 Print: 8.43 KfXuWmc	jzoV?p-k?H8suLN	k Industries, Inc. Mon VLYRASHJCZNUW	Mar 4 16:33 /Ik5YiPy9D	:38 2024 Page iM9hTxVizeF	: 1 xB
.4.											Scale = 1:26	.0
1.5x3 1.5x3 = 1.5	x3 1.5x3	1.5x3	1.5x3	1.5x3	3x4 =	1.5x3	1.5x3		1.5x3	1.5x3	3x4	
	3 1 ST1	4 ST1	5 ST1	6 ST1 W	7 T1 2 ST1 BI	8 ST1	9 ST1	10 ST1	11 ST1	12 ST1	13	1-0-0
26 25	24	23	22	21		19		XXXXXXXXX 17	XXXXXXXXXX 16	15	14	•
3x4 1.5	x3 1.5x3	1.5x3	1.5x3	3x4 =	1.5x3	1.5x3	1.5x3	1.5x3	1.5x3	1.5x3	3x4	
					15-10-0							
Plate Offsets (X,Y)	[7:0-1-8,Edge], [21:0-	1-8,Edge], [26	:Edge,0-1-8]		15-10-0						1	_
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Ind Code IBC2021	2-0-0 1.00 2-0-0 1.00 2-0-0 1.00 2-0-0 1.00 2-0-0 1.00 2-0-0 1.00 2-0-0 1.00 2-0-0 1.00 1.00 2-0-0 1.00 1.00 2-0-0 1.00 2-0-0 1.00 2-0-0 1.00 2-0-0 1.00 2-0-0 1.00 2-0-0 1.00 2-0-0 1.00 2-0-0 1.00 2-0-0 1.00 2-0-0 1.00 2-0-0 1.00 2-0-0 1.00 2-0-0 1.00 2-0-0 2-0-0 1.00 2-0-0	CSI. TC BC WB Matrix	0.06 0.01 0.03 -SH	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (lo n/a n/a 0.00	oc) l/def - n/a - n/a 14 n/a	1 L/d a 999 a 999 a n/a	PLATES MT20	GRIP 244/190 FT = 2	20%E 11%E	=

LUMBER-

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

BRACING-TOP CHORD BOT CHORD

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

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

REACTIONS. All bearings 15-10-0.

(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)

- 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.

6) Trusses designed with 2018 IRC also comply with 2015 IRC.

LOAD CASE(S) Standard



3/1/2024

Job	Truss	Truss Type	Qty Ply	LOT 0.0130 BLAKE PC	OND 95 GREAT SMOKY	PLACE LILLINGTON, NC
24-1487-F01	F112	Floor	7	1		# 16063
			Bup: 9.420 a. Eab 12.202	Job Reference (opti	onal) ATok Industrias, Inc. Mar	π 40003
			ID:N?HZEIRIFbf51Z	KfXuWmcjzoV?p-k?H8suL	NWLYRASHJCZNUW	/Ik0hiHd97JM9hTxVizeFxB
0-1-8						
⊔ ∟ 1-3-0	2-0	0-0 1-7-4			0-11-0 0-9-12	0 ₁ 310
						Scale = 1:37.9
3×4 —			378 —			
1 5x3 —	3x4 - 3x4 -	3x4 — 15x3 3x4 —	3v8 FP-	3x4 —	3x4 - 3x4 3x4 -	3v4 —
1	2 3	4 5 6	7 8	9	10 11 12	13
					मा ति सि	— কি
		W3			W4 W5	
27 26	25 24	23 22	21 20 1	9 18 17	16	15 14
$3x4 \parallel 3x4 \equiv$	$3x4 = 1.5x3 \parallel$	1.5x3 3x8 =	3x4 = 3x4 4x	$4 \equiv 3x8 FP \equiv$	3x8 =	$3x4 = 5x5 \parallel$
				3x4 =	0,10	
	5/9 6/9	7 4 9 12 1 4		10.2.4		22.1.0
	5-4-8 1-0-0	1-0-0 1-0-0 1-0-0		6-2-0		3-9-12
Plate Offsets (X,Y) [3:0	-1-8,Edge], [4:0-1-8,Edge],	[<u>13:0-1-8,Edge], [14:0-1-8,Edge], [</u> 2	?:Edge,0-1-8]		1	
LOADING (psf)	SPACING- 1-4-0	CSI.	DEFL. in (lo	oc) I/defl L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.37	Vert(LL) -0.08 24-	25 >999 480	MT20	244/190
BCII 0.0	Rep Stress Incr NO	WB 0.44	Vert(CT) -0.1124- Horz(CT) 0.02	25 >999 360 14 n/a n/a		
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH		ii iid iid	Weight: 114 I	b FT = 20%F, 11%E
			BRACING-		1	
TOP CHORD 2x4 SP No	.1(flat)		TOP CHORD Str	uctural wood sheathing	directly applied or 6-	0-0 oc purlins, except
BOT CHORD 2x4 SP No	0.1(flat)		en	d verticals.		
WEBS 2X4 SP NO	.3(fiat)		BOT CHORD RIQ	gid ceiling directly applie	a or 6-0-0 oc bracing	J.
REACTIONS. (lb/size)	27=381/0-4-0 (min. 0-1-8),	14=441/0-3-8 (min. 0-1-8), 20=117	0/0-4-8 (min. 0-1-8)			
Max Grav	27=407(LC 3), 14=494(LC 4	4), 20=1170(LC 1)				
FORCES. (Ib) - Max. Co	mp./Max. Ten All forces 2	50 (Ib) or less except when shown.				
TOP CHORD 27-28=-4	02/0, 1-28=-401/0, 14-29=-4	489/0, 13-29=-490/0, 1-2=-532/0, 2-	-3=-1163/0,			
3-4=-127 9-10=-10	27/171. 10-11=-1504/0. 11-	+/125, 6-7=0/651, 7-8=0/651, 8-9=- 12=-1505/0. 12-13=-697/0	3/033,			
BOT CHORD 25-26=0/	996, 24-25=0/1273, 23-24=	0/1273, 22-23=0/1273, 21-22=-296	/401, 20-21=-1284/0,			
19-20=-1 W/EBS 8-20=-11	284/0, 18-19=-386/645, 17- 44/0 1-26=0/604 2-26=-56	18=-386/645, 16-17=0/1384, 15-16 8/0 8-21=0/855 6-21=-783/0 6-22	=0/1275 =0/545			
4-22=-65	8/0, 13-15=0/754, 12-15=-7	05/0, 12-16=-4/315, 8-19=0/925, 9-	·19=-861/0,			
9-17=0/5	65, 10-17=-533/0, 11-16=-3	05/0				
NOTES- (6)						
1) Unbalanced floor live lo	oads have been considered	for this design.				
2) Recommend 2x6 stron	gbacks, on edge, spaced at their outer ends or restraine	10-0-0 oc and fastened to each tri	uss with 3-10d (0.131"	' X 3") nails. Strongback	s to	
3) CAUTION, Do not erec	t truss backwards.					
4) Hanger(s) or other con	nection device(s) shall be p	rovided sufficient to support concer	ntrated load(s) 334 lb o	down at 19-3-4 on top cl	hord.	
5) In the LOAD CASE(S)	section. loads applied to the	e face of the truss are noted as fron	t (F) or back (B).			
6) Trusses designed with	2018 IRC also comply with	2015 IRC.				
LOAD CASE(S) Standard	1				unuter Ca	IIIIIIII
1) Dead + Floor Live (bala	anced): Lumber Increase=1.	.00, Plate Increase=1.00			NIN RIT CAN	OLIA !!!
Uniform Loads (plf)	1 12- 67				ROFESSI	ONO P III
Concentrated Loads (II	, יסטי ס)				E /	-Cir II
Vert: 11=-334(F)				SEAL	
					20147	1 <u>-</u>
					A GINE	ALS INT
					MILLIN K. M	Onum
					· · · · · · · · · · · · · · · · · · ·	11

3/1/2024

Job	Truss	Truss Type	Qty	Ply LOT	0.0130 BLAKE POND 95 GR	REAT SMOKY PLACE LILLINGTON, NC				
24-1487-F01	F113	Floor	2 Run: 8,430 s, Feb 12	1 Job 2021 Print: 8.43	Reference (optional) 0 s Feb 12 2021 MiTek Industr	# 46063 ries, Inc. Mon.Mar. 4,16:33:40,2024, Page 1				
			ID:N?HZEIRIF	bf51ZKfXuWn	ncjzoV?p-gOOuHaMd2zo9	PmRiJ_PybjpL0WxOdvrfc?y2ZbzeFx9				
0-1-8										
∦ ⊢ 1-3-0	2	-0-0 1-7-4		1-1-8	1-5-12	0-3-0 Scale = 1:37.8				
						Scale - 1.57.0				
3x4 =	3x4 = 3x4 =	3x4 = 15x3 3x4 =	4x12 =	8 FP= 3x6	= 3x4 =	3x4 = 3x12 =				
1	2 3	4 5 6	7	8 9	10 T2	11 12				
		W3	AR .	W4	W5 2					
	₽1				B2 B2					
26 25	24 23	22 21 2	20 19 18	17 16	6 15	14 13				
3x4 3x4 =	3x4 = −1.5x3	1.5x3 3x8 = 3x8	3 FP= 3x4 ∥	4x8 = 3x	x6 = 3x4 =	3x4 = 3x10 =				
	5-4-8	. 7-4-8 . 13-1-4	4x4 =	15-8-12	2:	3-1-0 .				
Plate Offsets (X V) [3	5-4-8 1-0-0	1-0-0 5-8-12 [26:Edge 0-1-8]		2-7-8	7	-4-4				
				<i>"</i> ,						
TCLL 40.0	Plate Grip DOL 1-4-0	TC 0.44	DEFL. IN Vert(LL) -0.08	(loc) l/def 23-24 >999	I L/d PL 9 480 M1	ATES GRIP Γ20 244/190				
TCDL 10.0	Lumber DOL 1.00 Rep Stress Incr NC	BC 0.58	Vert(CT) -0.11 Horz(CT) 0.02	23-24 >999	9 360 n/a					
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH	1012(01) 0.02	10 11/2	We	eight: 116 lb FT = 20%F, 11%E				
LUMBER- TOP CHORD 2x4 SP 1 BOT CHORD 2x4 SP 1 WEBS 2x4 SP 1	No.1(flat) No.1(flat) No.3(flat)		BRACING- TOP CHORD BOT CHORD	Structural wo end verticals Rigid ceiling	ood sheathing directly ap directly applied or 6-0-0	oplied or 6-0-0 oc purlins, except oc bracing.				
REACTIONS. (Ib/size) Max Gra	26=355/0-4-0 (min. 0-1-8) av 26=400(LC 3), 13=1351(L0	13=1297/0-3-8 (min. 0-1-8), 18= C 4), 18=1792(LC 1)	1792/0-4-8 (min. 0-1	-8)						
FORCES. (lb) - Max. C TOP CHORD 26-27= 3-4=-1. 9-10=- BOT CHORD 24-25= 19-20= 19-20=	Comp./Max. Ten All forces : -395/0, 1-27=-394/0, 13-28= 223/71, 4-5=-738/395, 5-6=-7 2023/3, 10-11=-1708/0, 11-1: 0/976, 23-24=-71/1223, 22-2 -601/315, 18-19=-1647/0, 17	250 (lb) or less except when show .1345/0, 12-28=.1350/0, 1-2=-521 38/395, 6-7=0/988, 7-8=-545/488 2=-884/0 3=-71/1223, 21-22=-71/1223, 20- -18=-1647/0, 16-17=-3/2023, 15-1	n. /0, 2-3=-1132/0, , 8-9=-545/488, 21=-601/315, I6=0/1943,							
14-15= WEBS 7-18=- 4-21=- 12-14=	0/1444 1751/0, 1-25=0/592, 2-25=-5 756/0, 7-17=0/1997, 9-17=-1 0/801	56/0, 7-19=0/887, 6-19=-820/0, 6- 885/0, 10-15=-286/51, 11-15=-17/	21=0/588, 323, 11-14=-683/0,							
 NOTES- (6) 1) Unbalanced floor live loads have been considered for this design. 2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means. 3) CAUTION, Do not erect truss backwards. 4) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 934 lb down at 15-8-12, and 867 lb down at 22-7-0 on top chord. The design/selection of such connection device(s) is the responsibility of others. 5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B). 6) Trusses designed with 2018 IRC also comply with 2015 IRC. 										
-OAD CASE(S) Standard 1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 13-26=-7, 1-12=-67 Concentrated Loads (lb) Vert: 9=-934(F) 12=-867(F)										
						3/1/2024				

Job	Truss	Truss Type	Qty	Ply	LOT 0.0130 BLAKE PC	OND 95 GREAT SMOKY	PLACE LILLINGTON, NC
24-1487-F01	F115	Floor	9	1	Job Reference (opti	onal)	# 46063
			Run: 8.430 s Feb 12	2 2021 Print	t: 8.430 s Feb 12 2021 N	liTek Industries, Inc. Mor	Mar 4 16:33:40 2024 Page 1
0.2.8			ID.N ? HZEIKIF		uvvilicjzov (p-gOOun	laiviu2209FIIIRiJ_Fybj	
0-0-0 	. 1-0-8	-0-0 1-7-4		.0-1	10-8 1-5-12		0-3-0
							Scale = 1:38.0
					3x6 =		
4x6	3x6 ∐ 3x4 =	3x4 = 15x3 3x4 =	4x12 =	= 3x8 F	P= 3x4 =	3x4 =	3x12 =
1	2 3 4	5 6 7	8	w7 9	10 11	12	13
	M2 0 W2 W3 B1			WHY V	B2		
	<u> </u>			a		Ū	
27 26	25 24	23 22 21	20 19	18	17	16	15 14
1.5x3 3x4 =	3x4 = 1.5x3 ∣∣	1.5x3 3x8 = 3x8 F	P = 3x6 =	4x8 =	= 3x6 =	3x4 =	3x4 = 3x10 =
			3x6 =				
0 <u>-</u> 3 <u>-</u> 8 0-3-8	5-4-0 5-0-8 1-0-0	<u>+ 7-4-0</u> <u>+ 13-0-12</u> 1-0-0 <u>5-8-12</u>	I	<u>15-8-4</u> 2-7-8		23-0-8 7-4-4	
Plate Offsets (X,Y) [1:0	0-3-0,Edge], [4:0-1-8,Edge],	[5:0-1-8,Edge], [8:0-3-12,Edge]				1	
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 0.42	Vert(LL) -0.06	24-25	>999 480	MT20	244/190
BCLL 0.0	Rep Stress Incr NO	WB 0.48	Horz(CT) -0.09	24-25 19	n/a n/a		
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH	x <i>y</i>			Weight: 124	lb FT = 20%F, 11%E
LUMBER-			BRACING-				
TOP CHORD 2x4 SP No	o.1(flat) o.1(flat)		TOP CHORD	Structur	al wood sheathing o	directly applied or 6-	-0-0 oc purlins, except
WEBS 2x4 SP No	o.3(flat)		BOT CHORD	Rigid ce	eiling directly applied	d or 6-0-0 oc bracing	g.
	$1/1=1270/0_3_8$ (min 0_1_8)	$1=351/0_{-3-8}$ (min 0_1_8) 19=180($1/0_{-}4_{-}8$ (min 0_1_	8)			
Max Grav	14=1336(LC 4), 1=396(LC	3), 19=1951(LC 11)	5/0-4-0 (mm. 0-1-	0)			
	mn /Max Ten All forces 2	50 (lb) or less except when shown					
TOP CHORD 14-28=-	1329/0, 13-28=-1334/0, 1-2=	-507/0, 2-3=-1116/0, 3-4=-1111/0, 4	-5=-1174/71,				
5-6=-73	6/383, 6-7=-736/383, 7-8=0/	950, 8-9=-621/486, 9-10=-621/486, 1	10-11=-1897/67,				
BOT CHORD 25-26=0	/972, 24-25=-71/1174, 23-24	4=-71/1174, 22-23=-71/1174, 21-22=	-582/333,				
20-21=-	582/333, 19-20=-1717/0, 18- //1303	-19=-1595/0, 17-18=-67/1897, 16-17	=0/1848,				
WEBS 8-19=-19	931/0, 1-26=0/596, 2-26=-55	55/0, 8-20=0/980, 7-20=-819/0, 7-22=	=0/562,				
5-22=-7	12/0, 8-18=0/2018, 10-18=-1 250/163_11_17=_451/56	719/0, 13-15=0/770, 12-15=-656/0,	12-16=-132/297,				
11-10-2	233/103, 11-17431/30						
NOTES- (8) 1) Unbalanced floor live	loads have been considered	for this design					
2) Load case(s) 11 has/h	nave been modified. Building	designer must review loads to verify	y that they are cor	rect for t	he intended use of t	this	
truss. 3) Recommend 2x6 stror	nabacks on edge spaced a	t 10-0-0 oc and fastened to each tru	uss with 3-10d (0 1	31" X 3") nails Strongback	s to	
be attached to walls a	t their outer ends or restrain	ed by other means.)		
4) Gap between inside of 5) CAUTION Do not ere	f top chord bearing and first	diagonal or vertical web shall not ex	ceed 0.500in.				
6) Hanger(s) or other cor	nnection device(s) shall be p	rovided sufficient to support concent	trated load(s) 934	lb down	at 15-8-4, and 867	b	11/100
down at 22-6-8, and 9	934 lb down at 13-4-12 on to	op chord. The design/selection of su	ich connection de	vice(s) is	the responsibility c	of WHUNDRTH CAN	ROITIN
7) In the LOAD CASE(S)	section, loads applied to the	e face of the truss are noted as front	(F) or back (B).			IN OFESSI	ON A 11
8) Trusses designed with	n 2018 IRC also comply with	2015 IRC.				III Par 1	Print and
LOAD CASE(S) Standar	d Except:					SEAL	
1) Dead + Floor Live (ba	lanced): Lumber Increase=1	.00, Plate Increase=1.00				28147	
Vert: 14-27=-7	7, 1-13=-67						a / 1
Concentrated Loads (lb) (E) 12- 867(E)					ANOINE	ALS INT
11) User defined: Lumbe	r Increase=1.00, Plate Incre	ase=1.00				MINK K. M	Onumun
						2/1/2	024
						3/1/2	024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0130 BLAKE POND 95 GREAT SMOKY PL	ACE LILLINGTON, NC
24-1487-F01	F115	Floor	9	1	Job Reference (optional)	# 46063

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LOAD CASE(S)

Uniform Loads (plf) Vert: 14-27=-7(F), 1-13=-67(F) Concentrated Loads (lb) Vert: 8=-934(F) 13=-867(F)



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Job	Truss	Truss Type	Qty Ply	LOT 0.0130 BLAKE PONE	95 GREAT SMOKY F	PLACE LILLINGTON, NC
24-1487-F01	F117	Floor	1	1		# 46063
		Ru <u>n:</u> 8.	430 s Feb 12 2021 Pr	Job Reference (optiona int: 8.430 s Feb 12 2021 MiTe	al) k Industries, Inc. Mon I	Mar 4 16:33:41 2024 Page 1
0.3.8		ID:N	?HZEIRIFbt51ZKtX	uwmcjzov?p-8ayGUwNG	pGw01w0uthwB7wf	MYbvKeMVGorfic51zeFx8
0-3-8		1-0-8			.0-7-00-10)-40-7-0.0-1-8
	+ ⊢					Scale = 1:26.1
						3x4 =
4x6 3x4 :	= 3x4 $=$ 3x4 $=$	3x4 = 3x4 =	1.5x3 3	3x4 =	3x8 = 1.5x3	1.5x3 1.5x3 =
1 1	2 3	4 5 T2	6	7	8 9	10 11
		Wa how				W7 . 23 9
					H XI	
				Ĺůĺ		
22 2	1 20	19 18	17	16	45 14	13 42
1.5x3 3	x4 = 3x4	= 1.5x3 1.5x3	3x8 =	3x4 =	3x4 ∥ 3x4 =	3x4 = 3x4 ∥
Q <u>-3-8</u>	5-4-0	6-4-0 7-4-0	13-0-	-12	15-	8-8
0-3-8 Plate Offsets (X,Y) [1:0	5-0-8)-3-0,Edge], [4:0-1-8,Edge],	<u>1-0-0 1-0-0 [1-0-0]</u> 5:0-1-8,Edge], [11:0-1-8,Edge], [13:0-1-8,E	<u>5-8-</u> dge], [14:0-1-8,Ed	12 dge]	2-7	-12 '
	SPACING 140		in (loc)	l/defl l/d		CDID
TCLL 40.0	Plate Grip DOL 1.00	TC 0.26 Vert(LI	_) -0.07 19	>999 480	MT20	244/190
TCDL 10.0	Lumber DOL 1.00 Rep Stress Incr YES	BC 0.39 Vert(C WB 0.36 Horz(C	T) -0.09 19 T) -0.01 12	>999 360 n/a n/a		
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH	,		Weight: 81 lb	FT = 20%F, 11%E
LUMBER-		BRACI	NG-			
TOP CHORD 2x4 SP No	o.1(flat)	TOP C	HORD Structu	ural wood sheathing dire	ectly applied or 6-0	-0 oc purlins, except
WEBS 2x4 SP No	p.3(flat)	BOT C	HORD Rigid	ceiling directly applied o	r 6-0-0 oc bracing.	
REACTIONS. (lb/size)	12=-119/0-4-0 (min. 0-1-8).	1=425/0-3-8 (min. 0-1-8). 15=807/0-4-8 (r	min. 0-1-8)			
Max Uplif	t12=-182(LC 3)	15-907(1 C 1)	,			
Wax Grav	12-30(LC 4), 1-425(LC 10)	, 13-807(EC 1)				
FORCES. (Ib) - Max. Co	mp./Max. Ten All forces 2 2/252_11-23=-9/252_1-2=-5	50 (lb) or less except when shown. 12/0_2-3=-540/0_3-4=-1217/0_4-5=-1382/0	5-6=-1041/0 6-7	7=-1041/0		
8-9=0/28	33, 9-10=0/283, 10-11=0/283					
WEBS 8-15=-86	/997, 19-20=0/1382, 18-19= §9/0, 1-21=0/635, 3-21=-559	0/1382, 17-18=0/1382, 16-17=0/669, 15-16 /0, 3-20=0/276, 4-20=-281/0, 8-16=0/763, 7	=-557/0, 14-15=-t '-16=-694/0, 7-17:	=0/450, 5-17=-462/0,		
8-14=0/4	96, 11-13=-421/0					
NOTES- (6)						
 Unbalanced floor live I Provide mechanical co 	oads have been considered	for this design.	82 lb unlift at ioint	12		
3) Recommend 2x6 stror	ngbacks, on edge, spaced at	10-0-0 oc and fastened to each truss with	3-10d (0.131" X 3	3") nails. Strongbacks to	0	
4) Gap between inside of	t their outer ends or restraine top chord bearing and first	ed by other means. diagonal or vertical web shall not exceed 0.	500in.			
5) CAUTION, Do not erec	ct truss backwards.	2015 IPC				
oj musses designed Will	ו בט זס והכ מוסט כטוווףוץ שונח	2013 INC.				
LOAD CASE(S) Standard	d					









TOP CHORD2x4 SP No.1(flat)BOT CHORD2x4 SP No.1(flat)WEBS2x4 SP No.3(flat)OTHERS2x4 SP No.3(flat)

TOP CHORD Structural wood sheathing directly applied or 3-8-0 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 3-8-0.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 8, 5, 7, 6

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) 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.

6) Trusses designed with 2018 IRC also comply with 2015 IRC.

LOAD CASE(S) Standard





1	5-4-8	1	0-4-8	/-4-8		12-5-0	1
	5-4-8	1	1-0-0	1-0-0		5-0-8	1
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 0.31 BC 0.64 WB 0.48 Matrix-SH		DEFL. in Vert(LL) -0.1 Vert(CT) -0.1 Horz(CT) 0.03	n (loc) l/defl L/d 1 11-12 >999 480 5 11-12 >987 360 3 7 n/a n/a	PLATES MT20 Weight: 60 lb	GRIP 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-	0-0 oc purlins, except

REACTIONS. (lb/size) 14=663/0-4-0 (min. 0-1-8), 7=663/0-4-0 (min. 0-1-8)

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

- . .

TOP CHORD 14-15=-657/0, 1-15=-656/0, 7-16=-659/0, 6-16=-657/0, 1-2=-878/0, 2-3=-1980/0, 3-4=-2283/0, 4-5=-1994/0,

- BOT CHORD 12-13=0/1642, 11-12=0/2283, 10-11=0/2283, 9-10=0/2283, 8-9=0/1628
- 1-13=0/999, 2-13=-933/0, 2-12=0/440, 3-12=-502/0, 6-8=0/994, 5-8=-921/0, 5-9=0/488, 4-9=-525/0 WEBS

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.

3) Trusses designed with 2018 IRC also comply with 2015 IRC.

LOAD CASE(S) Standard



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^{5-6=-874/0}



l			12-5-0 12-5-0		
Plate Offsets (X,Y)	[6:0-1-8,Edge], [12:Edge,0-1-8], [17:0	-1-8,Edge], [21:Edge,0-1	-8], [23:0-1-8,0-0-8]		
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-SH	DEFL. in Vert(LL) n/a Vert(CT) n/a Horz(CT) 0.00	(loc) l/defl L/d - n/a 999 - n/a 999 12 n/a n/a	PLATES MT20 GRIP 244/190 Weight: 53 lb FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF WEBS 2x4 SF OTHERS 2x4 SF	2 No.1(flat) 2 No.1(flat) 2 No.3(flat) 2 No.3(flat)		BRACING- TOP CHORD BOT CHORD	Structural wood sheathing d end verticals. Rigid ceiling directly applied	irectly applied or 6-0-0 oc purlins, except or 10-0-0 oc bracing.

REACTIONS. All bearings 12-5-0.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 21, 12, 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.
- 5) Trusses designed with 2018 IRC also comply with 2015 IRC.

LOAD CASE(S) Standard



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100	TIUSS	Thuss Type			LOT 0.0130 BLAKE POND 95	GREAT SMOKY PLAC	E LILLINGTON, NC
24-1487-F01	F126	GABLE		2 1	Job Reference (optional)	#	46063
			Run: 8.43 ID:N?	0 s Feb 12 2021 Print HZEIRIFbf51ZKfXu	: 8.430 s Feb 12 2021 MiTek Ind WmcjzoV?p-Y9eP6xP85BJ	dustries, Inc. Mon Mar 4 auNkTYpTuIZ_607S	1 16:33:44 2024 Page 1 MZxBFXdwGiMzeFx5
0 ₁ -18							0 <u>-3-</u> 0
							Scale = 1:23.3
1.5x3						1.	5x3
1.5x3 = 1.5x3	1.5x3 1	.5x3 1.5x3	1.5x3 3x	k4 ≕ 1.5×	3 1.5x3	1.5x3	1.5x3
1 2	3 4	4 5	6 7	7 8	9	10 1	1 12
) • •	•	0		9	•	•	• •
3 ²⁵ ST1	ST1	ST1 ST1	ST1 W2 S	ST1 ST	1 ST1	ST1 S	T1 W1 23
	22	××××××××××××××××××××××××××××××××××××××		10 17	16		4 12
24 Z3	22 A	21 20	19 0u4 — 1		10	15-011 1	
3X4 1.5X3	1.5x3 1	.5x3 1.5x3	3X4 — 1.	.5x3 1.5x	3 1.5X3	1.5x3 1.5	

14-3-8 14-3-8						
Plate Offsets (X,Y)	[7:0-1-8,Edge], [13:0-1-8,Edge], [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	DEFL. 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 Weight: 59 lb FT = 20%F, 11%E	
LUMBER- TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(flat) WEBS 2x4 SP No.3(flat) OTHERS 2x4 SP No.3(flat)			BRACING- TOP CHORD BOT CHORD	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 14-3-8.

(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-(5)

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) Trusses designed with 2018 IRC also comply with 2015 IRC.

LOAD CASE(S) Standard



3/1/2024



L	6-7-8		/-/-8 8-/-8	1	14-3-8
I	6-7-8		1-0-0 1-0-0	1	5-8-0
Plate Offsets (X	Y) [1:Edge,0-1-8], [5:0-1-8,Edge], [8:0-1	-8,Edge], [9:0-1-8,Edge],	[13:0-1-8,Edge], [16: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 0.47 BC 0.73 WB 0.56 Matrix-SH	DEFL. ir Vert(LL) -0.18 Vert(CT) -0.25 Horz(CT) 0.04	n (loc) I/defi L/d 3 13-14 >926 480 5 13-14 >671 360 4 9 n/a n/a	PLATES GRIP MT20 244/190 Weight: 69 lb FT = 20%F, 11%E
LUMBER- TOP CHORD 2 BOT CHORD 2 WEBS 2	<4 SP No.1(flat) <4 SP No.1(flat) <4 SP No.3(flat)		BRACING- TOP CHORD BOT CHORD	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.

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REACTIONS. (Ib/size) 16=763/0-4-0 (min. 0-1-8), 9=756/0-3-8 (min. 0-1-8)

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

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TOP CHORD 16-17=-756/0, 1-17=-754/0, 9-18=-750/0, 8-18=-753/0, 1-2=-1030/0, 2-3=-2428/0, 3-4=-3002/0, 4-5=-3002/0,

5-6=-2480/0, 6-7=-2480/0, 7-8=-1073/0 BOT CHORD 14-15=0/1938, 13-14=0/2860, 12-13=0/3002, 11-12=0/3002, 10-11=0/1957

1-15=0/1173, 2-15=-1108/0, 2-14=0/598, 3-14=-528/0, 3-13=-93/483, 8-10=0/1161, 7-10=-1079/0, 7-11=0/629, WEBS 5-11 = -819/0

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.

3) Trusses designed with 2018 IRC also comply with 2015 IRC.

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