# 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 #: 57916 JOB: 25-2455-F02 JOB NAME: LOT 0.0027 CAMPBELL RIDGE 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, F203, F204, F205, F205A, F206, F208, F209, F210, F211, F212, F213, F214, F215, F216, F217, F218, F219, F220, F221



My license renewal date for the state of North Carolina is 12/31/2025

## Warning !--- Verify design parameters and read notes before use.

Job	Truss	Truss Type		Qty	Ply L	OT 0.0027 CAM	PBELL RIDGE	E   49 ALDEN WAY	ANGIE	ER, NC
25-2455-F02	F201	Floor Supported Gable		1	1 J	ob Reference	(optional)		#	57916
	·	·	Run: 8.6 ID:gU	30 s Jul 1 CksxzC6	2 2024 Print: J7HT2yGkH	8.630 s Jul 12 2 IFINYyiOvf-tw	024 MiTek Indu 5JDu0WCG	ustries, Inc. Tue M ?KML2Brdwm1jI	ar 25 00 D_X9a	):48:01 2025 Page 1 _a0D5JIIRL2zXZh
										0- <u>1</u> -8
										Scale: 3/8"=1
			3x4 =			3x8 FP=				3x4
1 2	3 4 5	6 <sub>1</sub> 7	8 9	10	11	12 13	14		16	17
	STT1 ST1 S		ST1 W2 ST1	B ST1	ST1	 ST1 32	ST1	12 ST1	B ST1	
34 33	32 31 30	) 29 28 27	26 25	24	23	22	21	20	19	18
3x4		3x8 FP=	3x4 =							3x4
<b> </b>			<u>19-8-6</u> 19-8-6							
Plate Offsets (X,Y)	[8:0-1-8,Edge], [25:0-1-8,Edge]	dge], [34:Edge,0-1-8]								
LOADING (psf)           TCLL         40.0           TCDL         10.0           BCLL         0.0           BCDL         5.0	SPACING- 2- Plate Grip DOL 1 Lumber DOL 1 Rep Stress Incr 1 Code IRC2021/TPI2	0-0         CSI.           .00         TC         0.06           .00         BC         0.01           /ES         WB         0.03           014         Matrix-SH	<b>DEFL.</b> Vert(LL) Vert(CT) Horz(CT	in n/a n/a ) 0.00	(loc) l/c -   -   18	lefl L/d n/a 999 n/a 999 n/a n/a		<b>PLATES</b> MT20 Weight: 85 lb	<b>GRIP</b> 244/19 FT	90 = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SI BOT CHORD 2x4 SI	P No.1(flat) P No.1(flat)		BRACIN TOP CH	<b>3-</b> Ord	Structural	wood sheath	ing directly	applied or 6-0-	-0 oc p	ourlins, except

BOT CHORD

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

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

#### **REACTIONS.** All bearings 19-8-6.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 18, 34, 19, 20, 21, 22, 23, 24, 25, 26, 27, 29, 30, 31, 32, 33

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.

 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 0.0027 CAMPBELL	RIDGE   49 ALDEN WAY ANGIER, N	iC
25-2455-F02	F202	Floor	3 1	Job Reference (optior	(al) # 57	916
0-1-8 H ⊨			Run: 8.630 s Jul 12 2024 Pri ID:gUCksxzC6J7HT2yG	nt: 8.630 s Jul 12 2024 MiT kHFINYyiOvf-L6fhRE18	k Industries, Inc. Tue Mar 25 00:48:0 za7B_VdOOLR?ZwlyDZmsJNJE ↓	)2 2025 Page 1 YPU?tVzXZhx 4 Scale = 1:32.7
1.5x3 = 1	3x8 FP= <u>11 2 3 4</u> <u>*</u> <u>*</u> <u>*</u> <u>*</u> <u>*</u> <u>*</u> <u>*</u> <u>*</u>	1.5x3 5 6 8 81 20 19	$3    3x6 = \frac{7}{12^8}$	9 16 15 3x8 F	10 10 10 B2 14 13 P=	3x6 = 11 1000 11 12
<u>1-6-0</u> 1-6-0 Plate Offsets (X,Y) [7	4-0-0 6-6- 2-6-0 2-6- 7:0-1-8,Edge], [19:0-1-8,Edge	0 <u>8-10-7 8-11-1</u> 0 2-4-7 0-11-8 ], [23:Edge,0-1-8]	9-11-15 11-1-7 12-1-10 5 <u>10-11-15 11-7-9 12-3-2 13-7-</u> 1-0-0 1-0-0 0-18 0-6-2 1-4- <u>0-6-2 0-1-8</u>	10 <u>16-1-10</u> 8 2-6-0	<u></u>	<u>1-14</u>
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 0.90 BC 0.67 WB 0.36 Matrix-SH	DEFL.         in         (loc)           Vert(LL)         -0.22         19-20           Vert(CT)         -0.31         19-20           Horz(CT)         0.02         12	l/defl L/d >653 480 >474 360 n/a n/a	PLATES         GRIP           MT20         244/190           Weight: 102 lb         FT = 20	0%F, 11%E
LUMBER- TOP CHORD 2x4 SP BOT CHORD 2x4 SP B2: 2x4 WEBS 2x4 SP	No.1(flat) SS(flat) *Except* SP No.1(flat) No.3(flat)		BRACING- TOP CHORD Structur end ver BOT CHORD Rigid ca 6-0-0 or	ral wood sheathing di ticals. eiling directly applied c bracing: 16-17.	ectly applied or 2-2-0 oc purlir or 10-0-0 oc bracing, Except:	ns, except
REACTIONS. (Ib/size) Max Gra	) 23=549/0-3-6 (min. 0-1-8) av23=558(LC 3), 12=371(LC	12=366/0-3-8 (min. 0-1-8), 17 7), 17=816(LC 1)	7=816/0-3-8 (min. 0-1-8)			
FORCES. (Ib) - Max. ( TOP CHORD 23-24 4-5=-1 10-11 BOT CHORD 21-22 15-16 WEBS 7-18=( 5-19=-	Comp./Max. Ten All forces 2 =-556/0, 1-24=-555/0, 11-12=- 744/0, 5-6=-1209/0, 6-7=-120 =-340/0 =0/1169, 20-21=0/1696, 19-20 =0/774, 14-15=0/774, 13-14=0 0/345, 8-17=-335/54, 1-22=0/7 632/0, 7-17=-1213/0, 8-16=0	250 (lb) or less except when sh 368/0, 1-2=-630/0, 2-3=-1431/ 9/0, 7-8=-292/27, 8-9=-551/0, )=0/1661, 18-19=0/1209, 17-18 )/664 '61, 2-22=-702/0, 2-21=0/340, 411, 9-16=-346/0, 10-13=-422	own. 0, 3-4=-1431/0, 9-10=-729/0, 3=0/1209, 16-17=-27/292, 4-21=-345/0, /0, 11-13=0/445			
NOTES- (5-6) 1) Unbalanced floor live 2) All plates are 3x4 M <sup>2</sup> 3) Recommend 2x6 str be attached to walls 4) CAUTION, Do not et 5) Graphical web bracii the member must be 6) Bearing symbols are design of the trues to	e loads have been considered T20 unless otherwise indicate ongbacks, on edge, spaced a at their outer ends or restrain rect truss backwards. ng representation does not de braced. e only graphical representation o support the loads indicated	l for this design. d. t 10-0-0 oc and fastened to ea ed by other means. pict the size, type or the orient as of a possible bearing conditi	ach truss with 3-10d (0.131" X 3" ation of the brace on the web. S on. Bearing symbols are not cor	) nails. Strongbacks ymbol only indicates i sidered in the structu	to that ral	
LOAD CASE(S) Stand:	ard				SEAL 28147	

Job	Truss	Truss Type	Qty Ply LOT 0.0027 CAMPBELL RIDGE   49 ALDEN WAY ANGIER, NC
25-2455-F02	F203	Floor	4 1
			Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Tue Mar 25 00:48:02 2025 Page 1
0-1-8			
H <u>1-3-0</u>		<u>  1-1-7</u>	2-0-0
			Scale. 3/6 - 1
1.5x3 =	3x8 FP=	1.5>	3    3x6 = 3x6 =
1 <u>-</u>	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	- 5 6 <del>•                                   </del>	
9 24 N BE			
		B1 6	
23 22	21	20 19	18 17 16 15 14 13 12
			1.5x3    3x6 = 3x8 FP=
1-6-0	4-0-0 6-	6-0 . 8-10-7 8-11.	9-11-15 11-1-7 12-1-10 15 10-11-15 11-7-9 12-3-2 13-7-10 16-1-10 18-7-10 19-8-6
1-6-0	2-6-0 2-	6-0 2-4-7 0-1	31-0-0 1-0-0 0-1-8 1-0-0 1-0-12 0-6-2 0-6-2 0-6-2 0
Plate Offsets (X,Y) [7	':0-1-8,Edge], [19:0-1-8,Edg	e], [23:Edge,0-1-8]	
LOADING (psf)	SPACING- 1-7-	3 <b>CSI</b> .	DEFL. in (loc) I/defl L/d PLATES GRIP
TCDL 10.0	Lumber DOL 1.0	0 BC 0.67	Vert(CT) -0.31 19-20 >476 360
BCLL 0.0 BCDL 5.0	Rep Stress Incr YE Code IRC2021/TPI201	S WB 0.36 4 Matrix-SH	Horz(CT) 0.02 12 n/a n/a Weight: 100 lb FT = 20%F, 11%E
LUMBER-			BRACING-
TOP CHORD 2x4 SP I	No.1(flat) No.1(flat) *Except*		TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except
BOT CHORD 224 61 1 B1: 2x4	SP SS(flat)		BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
WEBS 2x4 SP1	No.3(flat)		6-0-0 oc bracing: 16-17.
REACTIONS. (Ib/size) Max Gra	12=358/Mechanical, 23=5 av 12=363(LC 7), 23=559(LC	551/0-3-6 (min. 0-1-8), 17=797/0 C 3), 17=797(LC 1)	-3-8 (min. 0-1-8)
FORCES (lb) - Max (	Comp /Max Ten - All forces	250 (lb) or less except when sh	מער
TOP CHORD 23-24=	-557/0, 1-24=-556/0, 11-12	=-362/0, 1-2=-631/0, 2-3=-1433/0, 16/0, 7, 8=-301/0, 8, 0=-550/0, 0	), 3-4=-1433/0, 10=-694/0
4-5=-1 10-11=	-263/0	10/0, 7-8=-301/9, 8-9=-550/0, 9	TU=-684/0,
BOT CHORD 21-22= 15-16=	=0/1171, 20-21=0/1700, 19-2 =0/754, 14-15=0/754, 13-14=	20=0/1666, 18-19=0/1216, 17-18 =0/593	=0/1216, 16-17=-9/301,
WEBS 7-18=0	)/343, 8-17=-320/60, 1-22=0	/762, 2-22=-704/0, 2-21=0/342,	4-21=-347/0, 0_11_13=0/393
0-10	02110, 1-11-121110, 0-10-	0/000, 9-10020/0, 10-10400	0, 11-10-0/000
1) Unbalanced floor live	e loads have been considere	ed for this design.	
<ul> <li>2) All plates are 3x4 M</li> <li>3) Refer to girder(s) for</li> </ul>	Γ20 unless otherwise indication truss to truss connections.	ied.	
4) Recommend 2x6 stro	ongbacks, on edge, spaced	at 10-0-0 oc and fastened to ea	ch truss with 3-10d (0.131" X 3") nails. Strongbacks to
5) CAUTION, Do not er	ect truss backwards.	lonist the size, type or the griand	stion of the brace on the web Symbol only indicates that
the member must be	braced.	repict the size, type of the offen	autor of the brace on the web. Symbol only indicates that
<ol> <li>Bearing symbols are design of the truss to</li> </ol>	only graphical representation support the loads indicated	ons of a possible bearing conditi I.	on. Bearing symbols are not considered in the structural
LOAD CASE(S) Stands	ard		WINNETH CAROLINI
			A OFESSION AND THE
			SEAL
			28147
			NOINEE BOUNT
			Market K. MORAN
			3/24/2025
Warning   Varify dasi	an naramatars and read notes	bafora use. This design is based only	upon parameters shown and is for an individual building component to be installed and loaded



REACTIONS. (lb/size) 6=50/1-11-14 (min. 0-1-8), 4=5/1-11-14 (min. 0-1-8), 5=130/1-11-14 (min. 0-1-8)

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

NOTES- (6-7)

- 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) 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 0.0027 CAMPBELL RIDO	GE   49 ALDEN WAY ANGIER, NC
25-2455-F02	F205	Floor	3	1	lob Doformer (antian 1)	# 57916
			Run: 8.630 s Jul 1	 2 2024 Prin	t: 8.630 s Jul 12 2024 MiTek In	ndustries, Inc. Tue Mar 25 00:48:02 2025 Page 1
0-1-8 H∣── <del>1-3-0</del> ─┤		٩ <del>ـ</del>	1D:gUCksxzCk	j7HT2yG <u>  1-0-3  </u>	KHFINYyiOvt-L6mRE18za	7B_VdOOLR?2Wiz82kHJMiEYPO?tvzX2nx 0-9-12 Scale = 1:35.6
	2 3 B1 24 23 3x8	1.5x3    4 5 6 22 21 FP= 3x8 =	$ \begin{array}{c} 1.5x3 \\ 7 \\ 8 \\ 3 \\ 20 \\ 4x4 = 1.57 \end{array} $	3 9 82 82 82 82 82 82 82 80 10 82 80 11 82 83 11 83 85 85 85 85 85 85 85 85 85 85 85 85 85	x6 = 3x8 FP= 10 11 10 11 10 11 17 =	3x6 = 12 $13$ $13$ $16$ $15$ $14$
⊢ 1-6-0 1-6-0 Plate Offsets (X,Y)	4-0-0 2-6-0 8:0-1-8,Edge], [20:0-1-8,Edge	9-1-8 10-10-7 5-1-8 1-8-15 i], [26:Edge,0-1-8]	11-11-15 13- 10-11-15 12-11-15 0-1-81-0-0 1-0-00-1	1-7 14-1-10  3-7-9 14-3 -8 0-6-2   0-6-2 0-1-	-215-7-10 18-1-10 1-4-8 2-6-0 8	20-7-10 21-8-6 2-6-0 1-0-12
LOADING (psf)           TCLL         40.0           TCDL         10.0           BCLL         0.0           BCDL         5.0	SPACING- 1-7- Plate Grip DOL 1.0 Lumber DOL 1.0 Rep Stress Incr YES Code IRC2021/TPI201-	B         CSI.           D         TC         0.77           D         BC         0.77           S         WB         0.40           A         Matrix-SH	DEFL.         in           Vert(LL)         -0.27           Vert(CT)         -0.37           Horz(CT)         0.03	(loc) 20-21 20-21 14	l/defl L/d ⊳626 480 ⊳456 360 n/a n/a	PLATES MT20         GRIP 244/190           Weight: 112 lb         FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SP T1: 2x4 BOT CHORD 2x4 SP B2: 2x4 WEBS 2x4 SP	No.1(flat) *Except* SP SS(flat) No.1(flat) *Except* SP SS(flat) No.3(flat)		BRACING- TOP CHORD BOT CHORD	Structura end vert Rigid ce 6-0-0 oc	al wood sheathing direct icals. iling directly applied or 1 bracing: 17-18.	ly applied or 6-0-0 oc purlins, except 0-0-0 oc bracing, Except:
REACTIONS. (Ib/size Max G	e) 26=604/0-3-6 (min. 0-1-8) rav26=611(LC 3), 14=302(LC	, 14=297/Mechanical, 18=980/0-3-8 7), 18=980(LC 1)	3 (min. 0-1-8)			
FORCES.         (ib) - Max.           TOP CHORD         26-27           4-5=-:         4-5=-:           BOT CHORD         24-25           18-19         WEBS           7-20=         3-24=           12-15         12-15	Comp./Max. Ten All forces =-607/0, 1-27=-606/0, 13-14= 2047/0, 5-6=-1920/0, 6-7=-10 =0/1308, 23-24=0/1934, 22-2 =0/1042, 16-17=0/482, 15-16 0/691, 8-19=0/423, 9-18=-32 -386/0, 6-21=0/481, 6-20=-11 =-335/0, 13-15=0/312	250 (Ib) or less except when shown -301/0, 1-2=-696/0, 2-3=-1638/0, 3- 12/0, 7-8=-1042/0, 11-12=-483/0 3=0/1934, 21-22=0/2078, 20-21=0/ =0/465 //59, 1-25=0/843, 2-25=-796/0, 2-24 35/0, 8-18=-1558/0, 9-17=0/485, 11	-4=-2047/0, 1565, 19-20=0/1042 4=0/429, 1-17=-370/0,	),		
NOTES- (6-7) 1) Unbalanced floor liv 2) All plates are 3x4 M 3) Refer to girder(s) fo 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 to	re loads have been considere IT20 unless otherwise indicate r truss to truss connections. rongbacks, on edge, spaced a at their outer ends or restrain rect truss backwards. ing representation does not d e braced. e only graphical representatio to support the loads indicated	d for this design. ed. at 10-0-0 oc and fastened to each t ned by other means. epict the size, type or the orientation ns of a possible bearing condition. I	russ with 3-10d (0.1 n of the brace on the Bearing symbols are	31" X 3") e web. Sy e not con	nails. Strongbacks to mbol only indicates that sidered in the structural	MUMETH CAROLINI
LOAD CASE(S) Stand	lard				"Humminghamment"	SEAL 28147

3/24/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0027 CAMPBELL RIDO	GE   49 ALDEN WAY ANGIER, NC
25-2455-F02	F205A	Floor	1	1	lab Bafaranaa (antianal)	# 57916
			Run: 8.630 s Jul 1	2 2024 Print	:: 8.630 s Jul 12 2024 MiTek In	ndustries, Inc. Tue Mar 25 00:48:03 2025 Page 1
0-1-8			ID.gooksza	5057111290	SKIIFINT YOU-PIDSeaziiki	
H <u>1-3-0</u>		1-2-11 2-0-0		0 <sub>1</sub> 4-15		1 <mark>0-9-12</mark>
		1 11 1				' Scale = 1:35.6
1.5x3 =				4x8	3= 3x8 FP=	3x6 =
1	2 3	4 5	6	7	8 9	<u>T2 10 11</u>
26		W3		vv4		W5 W1
	B1 6					
				Ň		
25 24	23 22	21 20 19	18	17 16	15	14 13 12
	3X8 F	P— 1.5X3    1.5X3	11	4x4 —		
1-6-0	4-0-0 6-6-0	7-10-3 8-10-3 9-10-3 1	1-2-11 13-8-11	14-3-2	15-7-10 18-1-10	20-7-10 21-8-6
Plate Offsets (X,Y) [4:0	<u>2-6-0 ' 2-6-0</u> )-1-8,Edge], [5:0-1-8,Edge],	<u> </u>	1-4-8 ' 2-6-0	0-6-7	1-4-8 2-6-0	<u> </u>
	SPACING 173	197	DEEI in	(loc) l	/defl I/d	
TCLL 40.0	Plate Grip DOL 1.00	TC 0.55	Vert(LL) -0.18	20-21 >	951 480	MT20 244/190
TCDL 10.0 BCII 0.0	Lumber DOL 1.00 Rep Stress Incr YES	BC 0.93 WB 0.37	Vert(CT) -0.24 Horz(CT) 0.02	20-21 >	•701 360 n/a n/a	
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH		10		Weight: 111 lb FT = 20%F, 11%E
LUMBER-			BRACING-			
TOP CHORD 2x4 SP No BOT CHORD 2x4 SP No	o.1(flat) o.1(flat)		TOP CHORD	Structura end verti	I wood sheathing direct	ly applied or 6-0-0 oc purlins, except
WEBS 2x4 SP No	p.3(flat)		BOT CHORD	Rigid cei	ling directly applied or 2	-2-0 oc bracing.
REACTIONS. (lb/size)	25=563/0-3-6 (min. 0-1-8),	12=218/Mechanical, 16=1100/0-	-3-8 (min. 0-1-8)			
Max Uplif Max Grav	12=-1(LC 3)	1) 16=1100(I C 1)				
	23-37 I(LC 3), 12-273(LC 7	+), 10-1100(EC 1)				
FORCES. (lb) - Max. Co TOP CHORD 25-26=-5	mp./Max. Ten All forces 2 568/0. 1-26=-567/0. 11-12=-	50 (lb) or less except when show 277/2. 1-2=-642/0. 2-3=-1492/0.3	/n. 3-4=-1768/0.			
4-5=-158	39/0, 5-6=-910/0, 6-7=0/500	7-8=-73/410, 8-9=-73/410, 9-10	=-405/139			
BOT CHORD 23-24=0 17-18=-2	21/387, 16-17=-741/0, 15-16	=0/1780, 20-21=0/1589, 19-20=0 =-724/0, 14-15=-254/365, 13-14:	=-50/420	9,		
WEBS 5-19=0/2 4-21=-9/	271, 7-16=-1083/0, 1-24=0/7 308	76, 2-24=-721/0, 2-23=0/386, 3-2 99	23=-375/0, 5=0/517			
9-15=-48	32/0, 10-13=-302/48, 11-13=	-20/281				
NOTES- (7-8)						
1) Unbalanced floor live I	oads have been considered	for this design.				
3) Refer to girder(s) for tr	uss to truss connections.	J.				
<ol> <li>Provide mechanical co</li> <li>Recommend 2x6 strop</li> </ol>	onnection (by others) of trus	s to bearing plate capable of with	standing 1 lb uplift at	i joint 12.	nails Strongbacks to	
be attached to walls at	their outer ends or restrain	ed by other means.		,		
<ol> <li>6) CAUTION, Do not ered</li> <li>7) Graphical web bracing</li> </ol>	ct truss backwards. I representation does not de	pict the size, type or the orientation	on of the brace on th	e web. Sy	mbol only indicates that	
the member must be b	braced.				, 	and the factor
o) bearing symbols are o design of the truss to s	support the loads indicated.	s or a possible bearing condition	. Dearing symbols ar		nuerea in the structural	WINDTH CARO
I OAD CASE(S) Standar	Ч				1111	OFESSIDA NOT
LOND ONDELOJ Standali	~				inn,	Por Age
						SEAL
					UIW	28147
					Inne	AND NOWSER !!!!
						ARK KORRAUM
						Mana Monath

3/24/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0027 CAMPBELL R	IDGE   49 ALDEN V	VAY ANGIER, NC
25-2455-F02	F206	Floor	2	1	Job Reference (ontions	D	# 57916
	I	1	Run: 8.630 s Jul 1 ID:gUCksxz	2 2024 Prin C6J7HT2	t: 8.630 s Jul 12 2024 MiTel yGkHFINYyiOvf-pID3ea	·/ ‹ Industries, Inc. Tu 2nktF2cfCay2yE6	e Mar 25 00:48:03 2025 Page 1 S8IAlz132qwNn3EYPxzXZhv
0-1-8 H∣ <u>1-3-0</u>		- <u>1-2-11</u>    <u>2-0-0</u>	<del>0-9-7</del>				0-7-40-1-8 Scale = 1:36.5
1.5x3 = 1 277 277 227 26 25	3xi 2 1 3 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 24	B FP= 5 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3x8 = 7 00000000000000000000000000000000000	T2 8	3 9 2 5 17 16 3x8 FP=	1.5x3    10 1 15 3x8 =	$1.5x3 = 1 \\ 1 \\ 12 \\ 12 \\ 14 \\ 13 \\ 14 \\ 13 \\ 15 \\ 15 \\ 15 \\ 15 \\ 15 \\ 15 \\ 15$
⊢ <u>1-6-0</u> 1-6-0 Plate Offsets (X,Y)	<u>4-0-0 6-6-0</u> 2-6-0 2-6-0 [5:0-1-8,Edge], [6:0-1-8,Edge	9-11- 7-10-3 8-10-3 9-10-3 1 1-4-3 1-0-0 1-0-00-4- e], [12:0-1-8,Edge], [26:Edge,0-1	11 11-2-11 12-1-10 10-11-15 12-0-2 13-6-2 81-0-40-2-12 0-1-8 1-4-8 0-9-7 1-8]	<u>  16</u>   2-	-0-2 6-0	<u>21-1-10</u> 5-1-8	<u>21-11-14</u> 0-10-4
LOADING         (psf)           TCLL         40.0           TCDL         10.0           BCLL         0.0           BCDL         5.0	SPACING- 1-7 Plate Grip DOL 1. Lumber DOL 1. Rep Stress Incr YE Code IRC2021/TPI20	-3 <b>CSI.</b> 00 TC 0.65 00 BC 0.99 IS WB 0.34 14 Matrix-SH	DEFL. in Vert(LL) -0.19 Vert(CT) -0.25 Horz(CT) 0.03	(loc) 22-23 22-23 13	I/defl L/d >768 480 >566 360 n/a n/a	<b>PLATES</b> MT20 Weight: 112	<b>GRIP</b> 244/190 Ib 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	Structura end vert Rigid ce	al wood sheathing dire icals. iling directly applied or	ectly applied or 6 <sup>-</sup> 2-2-0 oc bracir	6-0-0 oc purlins, except ng.
REACTIONS. (Ib/size	e) 26=513/0-3-6 (min. 0-1-4 iray 26=532(I C 3) 13=424(I	3), 13=411/0-3-8 (min. 0-1-8), 1 C 7) 19=978(I C 1)	9=978/0-3-8 (min. 0-1-8)	)			
FORCES. (lb) - Max. TOP CHORD 26-27 3-4=- 9-10= BOT CHORD 24-25 18-15 WEBS 5-22= 3-24= 11-15	Comp./Max. Ten All force: 7=-529/0, 1-27=-529/0, 13-28 1530/0, 4-5=-1530/0, 5-6=-1 =-899/0, 10-11=-899/0, 11-12 5=0/1096, 23-24=0/1595, 22- 3=-320/112, 17-18=0/841, 16 =-294/0, 6-21=0/335, 7-19=-8 =-321/0, 5-23=0/410, 6-20=-1 5=0/293, 11-14=-537/0, 12-1	s 250 (lb) or less except when sl =-425/0, 12-28=-424/0, 1-2=-59 267/0, 6-7=-482/107, 7-8=-451/0 =-257/0 23=0/1267, 21-22=0/1267, 20-2 -17=0/841, 15-16=0/1018, 14-19 80/0, 1-25=0/713, 2-25=-659/0, 043/0, 7-20=0/570, 7-18=0/581 =0/429	hown. 10/0, 2-3=-1348/0, 0, 8-9=-943/0, 21=0/1267, 19-20=-329/10 5=0/669 2-24=0/327, , 8-18=-544/0,	06,			
NOTES- (5-6) 1) Unbalanced floor lin 2) All plates are 3x4 M 3) Recommend 2x6 s be attached to wall 4) CAUTION, Do not of 5) Graphical web brac the member must b Bearing symbols an design of the truss	ve loads have been consider AT20 unless otherwise indica trongbacks, on edge, spaced s at their outer ends or restra- erect truss backwards. cing representation does not be braced. re only graphical representation to support the loads indicate	ed for this design. ted. at 10-0-0 oc and fastened to e ined by other means. depict the size, type or the orien ons of a possible bearing condit	each truss with 3-10d (0.1 Intation of the brace on the tion. Bearing symbols are	31" X 3") e web. Sy e not con:	nails. Strongbacks to mbol only indicates th sidered in the structura	o at al	
LOAD CASE(S) Stand	dard	u.			annul annun an	SEA 2814 2814 2814 2814 2814 2814 2814 2814	AROUNT HIT

Job	Truss	Truss Type	Q	ty Ply	LOT 0.0027 CAMPBE	LL RIDGE   49 ALDEN WAY	ANGIEI	R, NC
25-2455-F02	F208	Floor	1		1 Job Reference (opti	ional)	# :	57916
0-1-8 ⊢⊣ ⊢1-3	3-0		Run: 8.63 ID:gL	) s Jul 12 2024 Pr ICksxzC6J7HT2	rint: 8.630 s Jul 12 2024 N 2yGkHFINYyiOvf-pID3	/iTek Industries, Inc. Tue Ν lea2nktF2cfCay2yE68IF	1ar 25 00: IdzDP2r ├──0-	48:03 2025 Page 1 BNn3EYPxzXZhw <u>7-8</u> Scale: 3/4"=1'
1.5x3 =			<u>,</u>	1	.5x3	-		3x6 =
		2	B1			5		
	11	10		9	9 3x8 =		8	
<u>  1-6-0</u> 1-6-0	)	4-0-0 2-6-0		<u> </u>	9-1-8 5-1-8			10-0-0 0-10-8
Plate Offsets (X,Y)	[12:Edge,0-1-8]							
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr	I-7-3 <b>CSI.</b> 1.00 TC 0.21 1.00 BC 0.20 YES WB 0.26	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) -0.02 9-10 -0.03 9-10 0.01 7	I/defl L/d >999 480 >999 360 n/a n/a	PLATES MT20	<b>GRIP</b> 244/190	0

BRACING-

TOP CHORD

BOT CHORD

end verticals.

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

Weight: 54 lb

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

FT = 20%F, 11%E

LUMBER-

BCDL

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

5.0

REACTIONS. (lb/size) 12=424/0-3-8 (min. 0-1-8), 7=429/0-3-8 (min. 0-1-8)

Code IRC2021/TPI2014

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

12-13=-420/0, 1-13=-419/0, 6-7=-429/0, 1-2=-451/0, 2-3=-940/0, 3-4=-902/0, 4-5=-902/0, 5-6=-261/0 TOP CHORD

BOT CHORD 10-11=0/837, 9-10=0/1019, 8-9=0/677

WEBS 1-11=0/544, 2-11=-502/0, 5-9=0/287, 5-8=-541/0, 6-8=0/447

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.

Matrix-SH

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 0.0027 CAMPBELL RIDGE	E   49 ALDEN WAY AN	IGIER, NC
25-2455-F02	F210	Floor Supported Gable		1	1	Job Reference (optional)	i	<i># 57916</i>
0-1-8	1		Run: ID:ç	8.630 s Jul JUCksxzC6	12 2024 Prin J7HT2yGk	t: 8.630 s Jul 12 2024 MiTek Ind HFINYyiOvf-HVnSsw3PVBN	ustries, Inc. Tue Mar 2 ₩DonmWITTeLrUiM	5 00:48:04 2025 Page 1 IchnM0X?jz5xNzXZhv
9 <u>14</u> 9								Scale = 1:19.9
								3x4
1 2	3	4	$5^{3x4} = 6$		7	8	9	10
21 ST ST	• 1 ST1	st1	ST1 W2 ST	1	ST1	ST1	st1	۲ ۲۰ ۲۰ ۲۰
			B1					
20 19	18	17	16 15		14	13	12	11
3x4			3x4	=				3x4
			12-3-6					

			12-3-0			
Plate Offsets (X,Y)	[5:0-1-8,Edge], [15:0-1-8,Edge], [20:E	dge,0-1-8]				
LOADING         (psf)           TCLL         40.0           TCDL         10.0           BCLL         0.0           BCDL         5.0	SPACING- 1-7-3 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	<b>CSI.</b> TC 0.06 BC 0.01 WB 0.03 Matrix-SH	<b>DEFL.</b> in (loc) Vert(LL) n/a - Vert(CT) n/a - Horz(CT) 0.00 11	l/defl L/d n/a 999 n/a 999 n/a n/a	<b>PLATES</b> MT20 Weight: 55 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	P No.1(flat) P No.1(flat) P No.3(flat) P No.3(flat)		BRACING- TOP CHORD Structu end ver BOT CHORD Rigid c	rral wood sheathing o rticals. eiling directly applied	lirectly applied or 6-0 d or 10-0-0 oc bracing	)-0 oc purlins, except g.

**REACTIONS.** All bearings 12-3-6.

(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- (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







ob	Truss	Truss Type	Qty	Ply	LOT 0.0027 CAMPB	ELL RIDGE   49 ALDEN W	AY ANGIER, NC
5-2455-F02	F212	Floor Supported Gable	1	1	lah Deference (a		# 57916
			Run: 8,430 s Fe	b 12 2021 Pr	nt: 8.630 s Jul 12 2024	MiTek Industries, Inc. Tue	Mar 25 00:48:05 2025 Page
			ID:gUCksxz0	C6J7HT2yG	kHFINYyiOvf-lhLq30	G41GVWmryLz4T_iBZN	lgYmywWpEgENjfUqzXZ
0-1-8 H							
							Scale = 1:38
		3x8 FP=	= 3x4 =				3x4
1 2	3 4 <sub>1</sub> 5	6 7 8 9 10	0 11 12	13	14 <sub>T2</sub> 15	16 17	18 19 20
				SII			
				XXXXX			
40 39	38 37 36	35 34 33 32	2 31 30	29 28	27 26	25 24	23 22 21
3x4		3>	x4 = 3x	8 FP=			3x4
			<u>23-3-4</u> 23-3-4				
Plate Offsets (X,Y)	[11:0-1-8,Edge], [32:0-1-8,Edge]	lge], [40:Edge,0-1-8]	 T			1	
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
TCDL 10.0	Lumber DOL 1.0 Rep Stress Incr. VE	DO BC 0.01	Vert(CT) r	n/a -	n/a 999		
BCDL 5.0	Code IRC2021/TPI20	14 Matrix-SH		00 21	11/a 11/a	Weight: 100	lb FT = 20%F, 11%E
			PRACINC			-	
TOP CHORD 2x4 SP	No.1(flat)		TOP CHORD	Structu	ral wood sheathin	g directly applied or 6-	-0-0 oc purlins, except
BOT CHORD 2x4 SP	PNo.1(flat)			end ver	ticals.		. , .
WEBS 2x4 SP OTHERS 2x4 SP	PNo.3(flat) PNo.3(flat)		BOT CHORD	Rigid c	eiling directly appli	ied or 10-0-0 oc braciı	ng.
REACTIONS. All be	earings 23-3-4.	ase at inint/s) 10 21 20 29 27	36 35 3/ 33 30 34	30 <u>3</u> 8 <del>3</del> .	7 26 25		
	24, 23, 22	333 at joint(3/ 40, 21, 38, 30, 37,	50, 55, 54, 55, 52, 51	, 50, 20, 2	, 20, 20,		
		<b>•••</b> (1)					
-UKCES. (ID) - Max.	Comp./Max. Ten All forces	s 250 (ID) or less except when sr	nown.				

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 L	OT 0.0027 CAMPBELL	RIDGE   49 ALDEN W	AY ANGIER, NC	
25-2455-F02	F213	FLOOR	3	1	lah Pafaranga (antia		# 57916	ī
			Run: 8.630 s Jul 1	2 2024 Print: 8	8.630 s Jul 12 2024 Mi	Fek Industries, Inc. Tue	Mar 25 00:48:05 202	5 Page 1
0-1-8			ID.gooksizcoj	////ZyGki ir	-1141 yiOvi-inEq3041	GVWIIIIYLZ41_IDZIN	ia/mpowangenjia	JYZAZIIU
u <u> </u>	3-0	L	2-0-0				1-4-11	
		Г	1				Scale	= 1:38.8
1 5/2 -								
1.5X3 — 6x6 —	6x6 = 4x6	3x8 FP=		3>	x8 FP= 4x6	6x6 =	6x8 =	
1	2 3 4	5 6 7	8	9	10 11	12 13	14	
								6
				B	2 7		W21	1-2-
				0				۲ <u>-</u> ۱
28 27	26	25 24 23 22	21 20	19	18	17	16 15	
6x8 =	6x8 =	3x8 MT20HS FP=	Зх	8 MT20HS F	P=	6x8 =	6x8 =	
		4x6			4x6			
	10-7-11	<mark> </mark> 1	1-7-11 <sub> </sub> 12-7-11 <sub> </sub> 1-0-0 1-0-0		23-3-6			
Plate Offsets (X,Y) [1	:0-1-8,0-0-8], [14:0-3-0,Edge]	, [21:0-3-0,0-0-0]						
LOADING (psf)	<b>SPACING-</b> 1-7-3	CSI.	DEFL. in	(loc) l/d	defi L/d	PLATES	GRIP	
TCLL 40.0	Plate Grip DOL 1.00	TC 0.21 BC 0.63	Vert(LL) -0.42	21-22 >6	653 480	MT20 MT20HS	244/190 187/143	
BCLL 0.0	Rep Stress Incr YES	WB 0.83	Horz(CT) 0.07	15 1	n/a n/a	11120110	101/140	
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH				Weight: 180	lb FT = 20%F,	11%E
	le 1/flet)		BRACING-	Structural	wood choothing d	inactly applied or 6		veent
BOT CHORD 2x4 SP N	No.1(flat)		TOP CHORD	end vertica	als.	recuy applied or 6	-0-0 oc punins, e	хсері
WEBS 2x4 SP N	lo.3(flat)		BOT CHORD	Rigid ceilir	ng directly applied	or 10-0-0 oc braci	ng.	
REACTIONS. (lb/size)	28=1013/0-3-6 (min. 0-1-8	), 15=1013/0-3-8 (min. 0-1-8)						
FORCES. (Ib) - Max. C	omp./Max. Ten All forces 2	50 (lb) or less except when sh	own.					
TOP CHORD 1-28=-9	996/0, 14-15=-997/0, 1-2=-15	01/0, 2-3=-3651/0, 3-4=-3651/	0, 4-5=-5118/0, 0, 10, 11=, 5118/0					
11-12=	-3651/0, 12-13=-3651/0, 13-1	4=-1485/0	0, 10-115116/0,					
BOT CHORD 26-27= 20-21=	0/2697, 25-26=0/4521, 24-25 0/6248 19-20=0/5691 18-19	=0/5691, 23-24=0/5691, 22-23 =0/5691_17-18=0/4521_16-17	3=0/6248, 21-22=0/6248 7=0/2697	3,				
WEBS 7-23=-6	578/135, 6-23=0/527, 6-25=-7	11/0, 4-25=0/740, 4-26=-1061	/0, 2-26=0/1163,					
2-27=-^ 11-17=	1485/0, 1-27=0/1743, 8-20=-6 -1061/0, 13-17=0/1163, 13-1	378/135, 9-20=0/527, 9-18=-71 6=-1503/0, 14-16=0/1735	1/0, 11-18=0/740,					
	,,,,,							
1) Unbalanced floor live	loads have been considered	l for this design.						
2) All plates are MT20 p	blates unless otherwise indicate	ited.						
4) Required 2x6 strong	backs, on edge, spaced at 10	-0-0 oc and fastened to each	truss with 3-10d (0.131"	X 3") nails	. Strongbacks to I	be		
attached to walls at the	heir outer ends or restrained	by other means.						
6) Graphical web bracin	ig representation does not de	pict the size, type or the orient	ation of the brace on the	e web. Sym	nbol only indicates	that		
the member must be 7) Bearing symbols are	braced. only graphical representation	is of a possible bearing conditi	on Bearing symbols are	e not consid	dered in the struct	ıral		
design of the truss to	support the loads indicated.		on. Doaring cymbolo ar					
LOAD CASE(S) Standa	ırd					WHINTH CA	BO	
( )						IN OFESS	SID Nolly	
						In all	No.	
						SEA	L	
						2814	7   Ē	
						111 ···· 64.	A/ 1	
						APL	ARIS INT	
						Minne K. S	NOUMAN	
						3/24	/2025	

Job	Truss	Truss Type	Qty	Ply LOT	0.0027 CAMPBELL RIE	GE   49 ALDEN WAY	ANGIER, NC	
25-2455-F02	F214	FLOOR	8		Reference (ontional)		# 57916	5
			Run: 8.630 s Jul	12 2024 Print: 8.63	0 s Jul 12 2024 MiTek YviOvf-DtvCHc4f1oe	ndustries, Inc. Tue N dT6w9dAWximwa	lar 25 00:48:06 202 HAC?E59gT1SC	5 Page 1
0-1-8			12.90010720			aronou angining		002/211
∦ <b>├<u>1-4-11</u>  </b> 1	-3-0	F	2-0-0				L 1-1-3 Scale	= 1:38.4
426 -		2×4 —						
4x6 — 1.5x3 =	1.5x3    3x4 =	3x4 — = 3x8 FP= 3x4	= 3x4 =	3x4 =	1.5x3    3x4 =		4x6 =	
1	2 3 4	5 6 7	8	т2 <sup>9</sup>	10 11	12	13	
288 W2							Watwi	5-0
				• <u></u> B2				-1-8 
27 26	25	24 23 22 21	20	9 18	17	16	15 14	0
6x8 =	= 6x8 =	3x8 MT20HS FP=		3x8 MT20HS FP	=	5x6	6x6 =	
		4x6			6x8 =			
L	10-7-11	L.	1-7-11 <sub>1</sub> 12-7-11 <sub>1</sub>		22-11-14			
Plate Offsets (X,Y) [	<u>10-7-11</u> 1:Edge,0-1-8], [7:0-1-8,Edg	ا e], [8:0-1-8,Edge], [20:0-3-0,0-0-0	<u>1-0-0 ' 1-0-0 '</u> ]		10-4-3		1	
LOADING (psf)	SPACING- 1-7	7-3 CSI.	DEFL. i	n (loc) l/defl	L/d	PLATES	GRIP	
TCLL 40.0 TCDI 10.0	Plate Grip DOL 1.	00 TC 0.76 00 BC 0.40	Vert(LL) -0.5 Vert(CT) -0.6	0 20-21 >548 8 20-21 >399	480 360	MT20 MT20HS	244/190 187/143	
BCLL 0.0 BCDI 5.0	Rep Stress Incr YI	ES WB 0.76	Horz(CT) 0.0	5 14 n/a	n/a	Weight: 1/17 lb	FT = 20%F	11%⊑
			PRACING				11-20701,	1170L
TOP CHORD 2x4 SP	No.1(flat)		TOP CHORD	Structural wo	od sheathing direc	tly applied or 4-5	-11 oc purlins,	except
WEBS 2x4 SP	SS(flat) No.3(flat)		BOT CHORD	end verticals. Rigid ceiling	directly applied or	10-0-0 oc bracing	J.	
REACTIONS. (lb/size	) 27=995/0-3-6 (min. 0-1-	8), 14=1000/Mechanical						
FORCES. (lb) - Max.	Comp./Max. Ten All force	s 250 (lb) or less except when sh	own.					
TOP CHORD 27-28	-978/0, 1-28=-977/0, 13-14	984/0, 1-2=-1379/0, 2-3=-3366 476/0 7-8=-5728/0 8-9=-5411/0	6/0, 3-4=-3366/0, 9-10=-4584/0					
10-11: 10-11: 25:26:	=-4584/0, 11-12=-3122/0, 1	2-13=-1131/0 24=0/5225 22 22=0/5225 21 22	-0/5729 20 21-0/57	00				
19-20	=0/2300, 24-25-0/4178, 23 =0/5728, 18-19=0/5131, 17	-18=0/5131, 16-17=0/3948, 15-16	=0/3728, 20-21-0/372 =0/2272	.0,				
WEBS 7-21= 4-25=	-259/279, 8-20=-234/305, 7 -1013/0, 2-25=0/1081, 2-26	-22=-675/158, 6-22=0/437, 6-24= =-1423/0, 1-26=0/1588, 8-19=-72	-651/0, 4-24=0/691, 7/102, 9-19=0/468,					
9-17=	-682/0, 11-17=0/794, 11-16	=-1049/0, 12-16=0/1079, 12-15=-	1450/0, 13-15=0/1448					
NOTES- (7-8) 1) Unbalanced floor liv	e loads have been conside	red for this design						
2) All plates are MT20	plates unless otherwise indic	icated.						
4) Refer to girder(s) for	truss to truss connections.	10.0.0 second for the state of the		UN ( 011)	4			
attached to walls at	backs, on edge, spaced at their outer ends or restraine	ed by other means.	russ with 3-10d (0.131	I" X 3") nails. S	trongbacks to be			
<ol> <li>6) CAUTION, Do not e</li> <li>7) Graphical web braci</li> </ol>	rect truss backwards. ng representation does not	depict the size, type or the orient	ation of the brace on t	ne web. Symbol	only indicates that	t		
the member must be	e braced.	ions of a possible bearing conditi	on Bearing symbols a	re not consider	ed in the structural			
design of the truss t	o support the loads indicate	d.	on. Dearing symbols a			month CA	Illune.	
LOAD CASE(S) Stand	ard				3	IN SEESSI	LINIU	
					Inn	PR-	Nation	
					min	SEAL		
					IIIIII	28147		
					ALL NOT	A SNOINER	Ale M	
						MARK K. M	ORANINI	
						All har parties and hard	alle.	

3/24/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0027 CAMPBELL	RIDGE   49 ALDEN WAY ANGIER, NC
25-2455-F02	F215	FLOOR GIRDER	1	2	loh Poforonas (anti-	# <b>57916</b>
	<u> </u>		Run: 8.430 s Feb 1	2 2021 Prin	t: 8.630 s Jul 12 2024 MiT	ek Industries, Inc. Tue Mar 25 00:48:06 2025 Page 1
0.4.0			ID:gUCksxzC6	J/HT2yGl	KHEINYyiOvf-DtvCHc4	r10ea16w9dAWxjmwiXA7RF7XqT1SC0GzXZht
U-1-8	-3-0		2-0-0		4	-5.7 . 1010
HI		F	2-0-0			Scale = 1:38.2
						THA422
1.5x3 =	1.5x3	3x8 FP=	SHOP TO		E (2) SDW SCREW	
1	2 3 4 T1 3 4	5 6 7	<sup>8</sup> SHOP TO		$\underline{\xi}$ (2) SDW SCREW	'S AT JOINT 16
27			SHOP TO		(1) SDW SCREW	EVERINA8" ALONG BOTTON CHORD
		B1 B1		/		
, <del>k</del>				J		
26 25	24	23 22 21	20 19	9 18	17	16 15 14
4x4 =	= 3x8 =	1.5x3	3    1.5x3    3x	x12 MT20H	IS FP=	3x6 = 4x6 = 3x6 =
L	10-7-11	1	11-7-11 <sub>1</sub> 12-7-11 <sub>1</sub>		19-4-2	23-3-6
Plate Offsets (X Y) [7	10-7-11 7:0-1-8 Edge] [8:0-1-8 Edge]	[26:Edge 0-1-8]	1-0-0 1-0-0		6-8-7	3-11-4
	.0 1 0,Eugej, [0.0 1 0,Eugej,					
LOADING (psf)	SPACING- 1-7-3 Plate Grip DOI 1.00	CSI.	DEFL. in	(loc)   20 3	I/defI L/d	PLATES GRIP
TCDL 10.0	Lumber DOL 1.00	BC 0.76	Vert(CT) -0.62	19-20	>444 360	MT20HS 187/143
BCLL 0.0	Rep Stress Incr NO	WB 0.60	Horz(CT) 0.08	14	n/a n/a	Waight: 226 lb ET - 20% E 11% E
BCDL 5.0	Code IRC2021/1112014	Maunx-SH				Weight 236 b FT - 20%F, TT%E
LUMBER-	No. 1/flot)		BRACING-	Structure	al wood aboathing di	reatly applied or 6.0.0 as purling avaant
BOT CHORD 2x4 SP 1	SS(flat) *Except*		TOP CHORD	end verti	icals.	recuy applied or 6-0-0 oc purlins, except
B2: 2x4	SP No.1(flat)		BOT CHORD	Rigid ce	iling directly applied	or 10-0-0 oc bracing.
WEBS 2X4 SP1	NO.3(flat)					
REACTIONS. (lb/size)	26=1173/0-3-6 (min. 0-1-8	), 14=1843/0-3-8 (min. 0-1-8)				
FORCES. (Ib) - Max. (	Comp./Max. Ten All forces 2	250 (lb) or less except when sho	own.			
TOP CHORD 26-27=	1167/0, 1-27=-1165/0, 1-2=-	1569/0, 2-3=-3885/0, 3-4=-388	5/0, 4-5=-5599/0,			
5-6=-5 11-12=	599/0, 6-7=-6755/0, 7-8=-737 =-4018/0	2/0, 8-9=-7494/0, 9-10=-7137/0	), 10-11=-6133/0,			
BOT CHORD 24-25=	=0/2839, 23-24=0/4880, 22-23	=0/6279, 21-22=0/7372, 20-21	=0/7372, 19-20=0/7372	2,		
18-19= WEBS 11-16=	=0/7471, 17-18=0/7471, 16-17 =0/438, 7-21=0/406, 8-20=-37	'=0/6785, 15-16=0/6133, 14-15 8/2. 7-22=-1118/0. 6-22=0/778.	=0/2068 . 6-23=-885/0.			
4-23=0	)/936, 4-24=-1270/0, 2-24=0/1	335, 2-25=-1652/0, 1-25=0/184	45, 8-19=-150/601,			
9-17=-	434/0, 10-17=0/458, 10-16=-7	782/0, 11-15=-2654/0, 12-15=0/	/2537, 12-14=-2751/0			
NOTES- (10-11)						
<ol> <li>Fasten trusses toget</li> <li>Upbalanced floor live</li> </ol>	her to act as a single unit as l	per standard industry detail, or l	loads are to be evenly a	applied to	all plies.	
3) All plates are MT20	plates unless otherwise indica	ated.				
4) All plates are 3x4 M	T20 unless otherwise indicate	d.	ruce with 2 10d (0 121"	V 2") poi	la Stranghaaka ta h	
attached to walls at t	their outer ends or restrained	by other means.	russ with 5-100 (0.151	x 5 ) nai	is. Strongbacks to b	e
6) CAUTION, Do not er	rect truss backwards.	Ninden) en envirolent et 40.4.0 fr			(aa) E044 (4 mby 0x4)	
to back face of top c	hord.	birder) or equivalent at 19-4-2 fr	rom the left end to conn	iect truss	(es) F211 (1 ply 2x4	SP)
8) Fill all nail holes whe	ere hanger is in contact with lu	imber.	<b>•</b> • • • • • • • • • • • • • • • • • •			AND CA SHALL
<li>9) In the LOAD CASE (\$ 10) Graphical web brac</li>	<li>section, loads applied to th sing representation does not do</li>	e face of the truss are noted as lepict the size, type or the orien	tront (⊢) or back (B). tation of the brace on t	ne web .S	Symbol only indicates	ATH CAHOLIA
that the member m	ust be braced.					A OFESSIONS A THE
11) Bearing symbols ar	e only graphical representation	ons of a possible bearing condit	tion. Bearing symbols a	re not coi	nsidered in the	
Suructural design of	the truss to support the loads					SEAL
LOAD CASE(S) Standa	ard	00 Plata Increase=1.00			1100	40147
Uniform Loads (plf)	alanceu). Lumper Increase=1	.00, Flate increase=1.00			ŝ	A AND AND A
Vert: 14-26=	-8, 1-13=-80					ARE
						Mark Morning
Continued on page 2						3/21/2025
Warning !	on narameters and read notes b	efore use. This design is based only	upon parameters shown ar	nd is for an	individual building com	J/24/202J

Job	Truss	Truss Type	Qty	Ply	LOT 0.0027 CAMPBELL RIDGE   49 ALDEN	WAY ANGIER, NC
25-2455-F02	F215	FLOOR GIRDER	1	2	Job Reference (optional)	# 57916
		Run: 8 ID:g	430 s Feb 1 UCksxzC6	2 2021 Prin J7HT2yG	it: 8.630 s Jul 12 2024 MiTek Industries, Inc. T kHFINYyiOvf-DtvCHc4f1oedT6w9dAWxj	ue Mar 25 00:48:06 2025 Page 2 mwiXA7RF7XqT1SC0GzXZhf

LOAD CASE(S) Standard Concentrated Loads (Ib)

Vert: 11=-996(B)



And         Image         Lot 0002 (MRLDC) (MLDC) (M		Trucc	Truce Town						
$\frac{1}{100} + \frac{1}{100} + \frac{1}$	25-2455-F02	F216	Floor			Piy	LOT 0.0027 CAMPBELL	KIUGE   49 ALDEN WA	AY ANGIER, NC # <b>5701</b> 6
DgLCbszC6J7/tf2;GdHFBHY;(0A/DbCH2HFBscF0e40MW;pipwel/AdvF3CqT15CGG         0-1-3         + + 0-3         + + 0-3         + 0-3         + 0-4         + 1-53 II         + 1-53 II         + 0-4         + 0-5         + 0-6         + 0-7					Run: 8.430 s Feb 1	  2 2021 Prii	Job Reference (option nt: 8.630 s Jul 12 2024 MiTe	al) ek Industries, Inc. Tue	# 3/910 Mar 25 00:48:06 2025 Page 1
44 =           1.50 II           1.50 III           1.50 IIII           1.50 IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	0-1-8 ⊣ <mark>0-6-3 1-3</mark>	<u>-0</u>	<u>⊢ 2-0-</u>	0	ID:gUCksxzC6	J7HT2yGł	HFINYyiOvf-DtvCHc4f1	loedT6w9dAWxjmw	reUA4nF9CqT1SC0GzXZh   <u>0-9-11</u>  Scale = 1:31.4
S-10-11         0-10-11         12-00         12-26           E-10-11         1-60         1-60         1-60         1-13-11           Plate Offsets (XY)-         (4-0-1-8,Edge), [5-0-1-8,Edge), [23-Edge, 0-3-0]         11-3-11           LOADING (p6f)         SPACING-         1-7-3         CSI.         DEFL.         in (loc)         I/def         L/d           TCLL         40.0         Plate Grp DOL         1.00         BC 0.93         Vert(CT)         -0.54 18-19         >418         360           BCLL         0.0         Rep Stress incr YES         WB 0.50         Horz(CT)         0.54 18-19         >418         360           BCD CHORD         2x4 SP No.1(flat)         BCT         Matrix-SH         TOP CHORD         Structural wood sheathing directly applied or 2-2-0 oc purlins, exce           BOT CHORD         2x4 SP No.1(flat)         BOT CHORD         Structural wood sheathing directly applied or 10-0-0 oc bracing, Except:         2-2-0 oc bracing: 19-20.           REACTIONS:         (b/size)         23=628/0-3-6 (min. 0-1-8), 13=633/Mechanical         BOT CHORD         X32-X358 No.10, -2-2-20400, -2-2-20450, 1-2-20-	$4x4 = 1.5x3    \\ 1.5x3 = 1 2 \\ 1 2 \\ 24 \\ 3 \\ 23 \\ 6x6   $	3 22 4x4 =	20 1.5x3	5 19 1.5x3	3x8 FF 6 7 8 0 18 17 3x12 MT20HS FP=	P=	1.5x3    8 9 15 3x8 =	12 10 12 12 14 14 4x4 =	4x4 = $11  12$ $13$ $= 3x6 =$
BCLL     0.0     Rep Stress Incr     YES     WB     0.50     Horz(CT)     0.06     13     n/a     Weight: 97 lb     FT = 20% F, 119       LUMBER- TOP CHORD     2x4 SP No.1(flat)     TOP CHORD     TOP CHORD     Structural wood sheathing directly applied or 2-2-0 oc purlins, exce end verticals.     BRACING- TOP CHORD     Structural wood sheathing directly applied or 10-0-0 oc bracing, Except: 2-2-0 oc bracing: 19-20.       REACTIONS.     (lb/size)     23=828/0-3-6 (min. 0-1-8), 13=833/Mechanical     BOT CHORD     Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 2-2-0 oc bracing: 19-20.       REACTIONS.     (lb/size)     23=828/0-3-6 (min. 0-1-8), 13=833/Mechanical     BOT CHORD     Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 2-2-0 oc bracing: 19-20.       FORCES.     (lb/size)     23=828/0-3-6 (min. 0-1-8), 13=833/Mechanical     BOT CHORD     Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 2-2-0 oc bracing: 19-20.       FORCES.     (lb/size)     23=828/0-3-6 (min. 0-1-8), 13=833/Mechanical     BOT CHORD     Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 2-2-0 oc bracing: 19-20.       BOT CHORD     2-23=-1038/0, 9-10-238/30, 10-11=-1514/0     BOT CHORD     2-23=-0/334, 21-22=-0/3260, 19-22=0/3450, 17-18=0/3812, 16-17-0/3812, 15-16=0/2286, 14-16-0/2286, 14-16-0/236, 14-16-0/339, 8-15=-384/0, 10-15=0/728, 10-14=-982/0, 11-14=-0/1012, 11-13=-1104/0       NOTES-     (7-8)       1) Unbalanced floor live loads have been considered for this design. </td <td>Plate Offsets (X,Y) LOADING (psf) TCLL 40.0 TCDL 10.0</td> <td>5-10-11 5-10-11 [4:0-1-8,Edge], [5:0-1-8,Edge] SPACING- Plate Grip DOL Lumber DOL</td> <td>+6-10-11 1-0-0 (ge], [23:Edge,0-3-0 -7-3 1.00 TC .00 TC .00 BC</td> <td>7-10-11 1-0-0 1 51. C 0.88 C 0.93</td> <td>DEFL. in Vert(LL) -0.40 Vert(CT) -0.54</td> <td>(loc) 18-19 18-19</td> <td>19-2-6 11-3-11 //defl L/d &gt;575 480 &gt;418 360</td> <td>PLATES MT20 MT20HS</td> <td>GRIP 244/190 187/143</td>	Plate Offsets (X,Y) LOADING (psf) TCLL 40.0 TCDL 10.0	5-10-11 5-10-11 [4:0-1-8,Edge], [5:0-1-8,Edge] SPACING- Plate Grip DOL Lumber DOL	+6-10-11 1-0-0 (ge], [23:Edge,0-3-0 -7-3 1.00 TC .00 TC .00 BC	7-10-11 1-0-0 1 51. C 0.88 C 0.93	DEFL. in Vert(LL) -0.40 Vert(CT) -0.54	(loc) 18-19 18-19	19-2-6 11-3-11 //defl L/d >575 480 >418 360	PLATES MT20 MT20HS	GRIP 244/190 187/143
LUMBER     Top CHORD 2x4 SP No.1(flat)     BRACING-       BOT CHORD 2x4 SP SS(flat) "Except"     TOP CHORD       BOT CHORD 2x4 SP No.1(flat)     Structural wood sheathing directly applied or 10-0-0 oc bracing, Except       BOT S2: 2x4 SP No.3(flat)     BOT CHORD       WEBS     2x4 SP No.3(flat)       REACTIONS.     (Ib/size)       23=1336/0, 34=-2669/0, 4.5=-3450/0, 5-6=-3738/0, 6.7=-3556/0, 8-9=-3738/0, 6.7=-3556/0, 7.8=-3556/0, 8-9=-338/0, 9-10=-238/0, 10-1=-1514/0       BOT CHORD     22-23=0534, 21-22=0/2092, 20-21=0/3450, 18-19=0/3450, 17-18=0/3812, 16-17=0/3286, 14-15=0/2286, 13-14=0/736       WEBS     4.20=0/378, 5-19=-352/0, 4.21=-1051/0, 3-21=0/751, 3-22=-984/0, 2-22=-01/044, 2-23=-1025/0, 5-18=-125/535, 6-16=-333/0, 8-16=0/339, 8-15=-584/0, 10-15=0/728, 10-14=-982/0, 11-14=0/1012, 11-13=-1104/0       NOTES-     (7-8)       1) Unbalanced floor live loads have been considered for this design.       2) All plates are MT20 plates unless otherwise indicated.       3) All plates are MT20 plates unless otherwise indicated.       4) Refer to girder(s) for trues to trues connections.       5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each trues 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 trues backwards.       7) Graphical web bracing representation des not dapic the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.       3) All plates are strue tho	BCLL 0.0 BCDI 5.0	Rep Stress Incr	YES W	B 0.50 atrix-SH	Horz(CT) 0.06	13	n/a n/a	Weight <sup>.</sup> 97 lb	FT = 20%F 11%F
<ul> <li>TOP CHORD 2-3=-1336/0, 3-4=-2669/0, 4-5=-3450/0, 5-6=-3738/0, 6-7=-3556/0, 8-9=-2838/0, 9-10=-2838/0, 9-10=-2838/0, 10-11=-1514/0</li> <li>BOT CHORD 22-23=0/534, 21-22=0/2092, 20-21=0/3450, 19-20=0/3450, 18-19=0/3450, 17-18=0/3812, 16-17=0/3812, 15-16=0/3296, 14-15=0/2268, 13-14=0/736</li> <li>WEBS 4-20=0/378, 5-19=-352/0, 4-21=-1051/0, 3-21=0/751, 3-22=-984/0, 2-22=0/1044, 2-23=-1025/0, 5-18=-125/535, 6-16=-333/0, 8-16=0/339, 8-15=-584/0, 10-15=0/728, 10-14=-982/0, 11-14=0/1012, 11-13=-1104/0</li> <li>NOTES- (7-8)</li> <li>1) Unbalanced floor live loads have been considered for this design.</li> <li>2) All plates are MT20 plates unless otherwise indicated.</li> <li>3) All plates are 3x4 MT20 unless otherwise indicated.</li> <li>4) Refer to girder(s) for truss to truss connections.</li> <li>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.</li> <li>6) CAUTION, Do not erect truss backwards.</li> <li>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.</li> <li>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 supmotive the loads indicated.</li> </ul>	LUMBER- TOP CHORD 2x4 S BOT CHORD 2x4 S B2: 2x WEBS 2x4 S REACTIONS. (lb/siz FORCES. (lb) - Max	P No.1(flat) P SS(flat) *Except* 44 SP No.1(flat) P No.3(flat) ze) 23=828/0-3-6 (min. 0-1 & Comp./Max. Ten All forc	-8), 13=833/Mecha es 250 (lb) or less ¢	inical except when sh	BRACING- TOP CHORD BOT CHORD	Structur end ver Rigid ce 2-2-0 oc	al wood sheathing dir ticals. illing directly applied o bracing: 19-20.	rectly applied or 2- or 10-0-0 oc bracir	2-0 oc purlins, except
<ul> <li>NOTES- (7-8)</li> <li>1) Unbalanced floor live loads have been considered for this design.</li> <li>2) All plates are MT20 plates unless otherwise indicated.</li> <li>3) All plates are 3x4 MT20 unless otherwise indicated.</li> <li>4) Refer to girder(s) for truss to truss connections.</li> <li>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.</li> <li>6) CAUTION, Do not erect truss backwards.</li> <li>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.</li> <li>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</li> </ul>	TOP CHORD         2-3= 8-9=           BOT CHORD         22-2           16-1         WEBS           4-20         2-23           10-1	-1336/0, 3-4=-2669/0, 4-5=- -2838/0, 9-10=-2838/0, 10-' (3=0/534, 21-22=0/2092, 20- 7=0/3812, 15-16=0/3296, 1- =0/378, 5-19=-352/0, 4-21= =-1025/0, 5-18=-125/535, 6 4=-982/0, 11-14=0/1012, 11	3450/0, 5-6=-3738/ 1=-1514/0 21=0/3450, 19-20= 1-15=0/2268, 13-14 -1051/0, 3-21=0/75 -16=-333/0, 8-16=0 -13=-1104/0	(0, 6-7=-3556/0 :0/3450, 18-19: =0/736 1, 3-22=-984/0 /339, 8-15=-58	, 7-8=-3556/0, =0/3450, 17-18=0/3812, , 2-22=0/1044, 4/0, 10-15=0/728,				
LOAD CASE(S) Standard	NOTES- (7-8) 1) Unbalanced floor I 2) All plates are MT2 3) All plates are 3x4 4) Refer to girder(s) f 5) Recommend 2x6 g be attached to wal 6) CAUTION, Do not 7) Graphical web bra the member must 8) Bearing symbols a design of the truss	live loads have been consid. 10 plates unless otherwise india 10 mr 20 unless otherwise india 10 for truss to truss connections 11 st their outer ends or rest 12 erect truss backwards. 13 cing representation does no 14 be braced. 15 are only graphical representation 15 the loads indication 15 constructions of the loads indications of the loads indication	ered for this design. dicated. sated. at 10-0-0 oc and rained by other mea t depict the size, ty tions of a possible ed.	d fastened to ea ans. pe or the orient bearing conditi	ach truss with 3-10d (0. tation of the brace on th ion. Bearing symbols ar	131" X 3" e web. S e not con	) nails. Strongbacks t ymbol only indicates t isidered in the structu	to hat ral	ROLING





1	5-10-11	1-0-0 ' 1-0-0 '	11-7-3	
Plate Offsets (X,Y)	[4:0-1-8,Edge], [5:0-1-8,Edge], [23:E	dge,0-3-0]		
LOADING         (psf)           TCLL         40.0           TCDL         10.0           BCLL         0.0           BCDL         5.0	SPACING- 1-7-3 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	<b>CSI.</b> TC 0.93 BC 0.96 WB 0.51 Matrix-SH	<b>DEFL.</b> in (loc) I/defl L/d Vert(LL) -0.42 18-19 >550 480 Vert(CT) -0.58 18-19 >400 360 Horz(CT) 0.07 13 n/a n/a	PLATES         GRIP           MT20         244/190           MT20HS         187/143           Weight:         98 lb         FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF B2: 2x4 WEBS 2x4 SF	P No.1(flat) P SS(flat) *Except* 4 SP No.1(flat) P No.3(flat)		BRACING-TOP CHORDStructural wood sheathing of end verticals.BOT CHORDRigid ceiling directly applied 2-2-0 oc bracing: 19-20.	directly applied or 2-2-0 oc purlins, except d or 10-0-0 oc bracing, Except:

REACTIONS. (lb/size) 23=841/0-3-6 (min. 0-1-8), 13=846/0-3-8 (min. 0-1-8)

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

TOP CHORD 2-3=-1359/0, 3-4=-2723/0, 4-5=-3533/0, 5-6=-3850/0, 6-7=-3699/0, 7-8=-3699/0,

8-9=-3013/0, 9-10=-3013/0, 10-11=-1720/0

- BOT CHORD 22-23=0/543, 21-22=0/2129, 20-21=0/3533, 19-20=0/3533, 18-19=0/3533, 17-18=0/3941, 16-17=0/3941, 15-16=0/3453, 14-15=0/2459, 13-14=0/956 WEBS 4-20=0/393, 5-19=-366/0, 4-21=-1085/0, 3-21=0/773, 3-22=-1001/0, 2-22=0/1063.
- WEBS 4-20=0/393, 5-19=-366/0, 4-21=-1085/0, 3-21=0/773, 3-22=-1001/0, 2-22=0/1063, 2-23=-1042/0, 5-18=-111/569, 6-16=-315/0, 8-16=0/320, 8-15=-563/0, 10-15=0/707, 10-14=-962/0, 11-14=0/995, 11-13=-1255/0

NOTES- (6-7)

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

2) All plates are MT20 plates unless otherwise indicated.

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

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

5) CAUTION, Do not erect truss backwards.

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

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

LOAD CASE(S) Standard





<u> </u>			6-10-11 7-10-11	1	13-9-6		
I	5-10-11	1	1-0-0 1-0-0	5.	-10-11	I	
Plate Offsets (X,Y)	[4:0-1-8,Edge], [5:0-1-8,Edge], [16:Ed	dge,0-3-0]					
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 1-7-3 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	<b>CSI.</b> TC 0.26 BC 0.52 WB 0.33 Matrix-SH	<b>DEFL.</b> in Vert(LL) -0.09 Vert(CT) -0.12 Horz(CT) 0.03	(loc) I/defl L/d 11-12 >999 480 11-12 >999 360 9 n/a n/a	PLATES O MT20 2 Weight: 70 lb	<b>GRIP</b> 244/190 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 appliec	directly applied or 6-0- d or 10-0-0 oc bracing	0 oc purlins, except	

**REACTIONS.** (lb/size) 16=590/0-3-6 (min. 0-1-8), 9=595/0-3-8 (min. 0-1-8)

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

TOP CHORD 2-3=-906/0, 3-4=-1665/0, 4-5=-1910/0, 5-6=-1665/0, 6-7=-906/0

BOT CHORD 15-16=0/376, 14-15=0/1413, 13-14=0/1910, 12-13=0/1910, 11-12=0/1910, 10-11=0/1413, 9-10=0/376

WEBS 4-14=-428/0, 3-14=0/355, 3-15=-660/0, 2-15=0/690, 2-16=-720/0, 5-11=-428/0, 6-11=0/355, 6-10=-660/0, 7-10=0/690, 7-9=-717/0

NOTES- (5-6)

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

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

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

4) CAUTION, Do not erect truss backwards.

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

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

LOAD CASE(S) Standard



Job	Truss	Truss Type		0	ty	Ply	LOT 0.002	27 CAMPBELL RID	GE   49 ALDEN WA	Y ANGIER, NC
25-2455-F02	F219	Floor Supporte	d Gable	1			1 Job Refe	erence (optional)		# 57916
0- <u>1</u> -8	I	I		Run: 8.430 ID:g	s Feb 12 JCksxzC	2 2021 Pr 26J7HT2	int: 8.630 s J YGKHFINY	lul 12 2024 MiTek I ′yiOvf-i4TaUy5H	ndustries, Inc. Tue N o6mU4GVLBu1A0	/lar 25 00:48:07 2025 Page G_T01ael_jjzihCmYizXZ
										Scale = 1:22
4		4	F		x4 =		0	0	10	3x4
	2 3 8 5 1 5 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 1 8 7 7 7 8 8 8 7 8 8 8 8 8 8 8 8 8 8 8 8 8	4 ST1	э ST1	0 T1 ST1 W2	7 ST1		stil	y ST1	ST1	ST1 W1
23 2 3x4	22 21	20	19	18 3x4 =	17		16	15	14	13 3x6 =
Plate Offsets (X,Y)	[7:0-1-8,Edge], [18:0-1	-8,Edge], [23:Edge,0	1-8]	13-9-6 13-9-6						1
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IRC2021/	2-0-0 1.00 1.00 YES TPI2014	<b>CSI.</b> TC 0.06 BC 0.01 WB 0.03 Matrix-SH	DEFL. Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 13	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 62 lb	<b>GRIP</b> 244/190 FT = 20%F, 11%E

BRACING-

TOP CHORD

BOT CHORD

end verticals.

#### 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)

**REACTIONS.** All bearings 13-9-6.

(Ib) - Max Grav All reactions 250 lb or less at joint(s) 23, 13, 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



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

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

Jop	Truss	Truss Type	Qty	Ply LO	T 0.0027 CAMPBELL RI	DGE   49 ALDEN WAY ANG	IER, NC
25-2455-F02	F220	Floor	12		Reference (optional	) #	57916
			Run: 8.630 s Jul 1 ID:gUCksxz0	2 2024 Print: 8.6 C6J7HT2yGkH	530 s Jul 12 2024 MiTek FINYyiOvf-AG0yhH6	, Industries, Inc. Tue Mar 25 ( VZQuLiQ4XIbYPpB?4B	00:48:08 2025 Page 1 mcj3l6wLxJ48zXZh
0-3-10 1-3-0		2-	0-0	,	,	· · · · · · · · · · · · · · · · · · ·	0-3-10
							Scale = 1:30.0
							00010 1.00.0
					1.5-2.11		
4x4 =	1.5x3				3x8 FP=		4x4 =
1 2	3 4	5 _ 6	7		8 9 10	11	12 13
			- R				
				//			
	B1 0.5		•	B2			
24 23	22	21 20 19	18	17	16	15	14
4x6 = 4x4 =	3x8 = 3	x8 MT20HS FP= 1.5x3	1.5x3		3x8 =	4x4 =	4x6 =
	<b>8</b> 2 10	0.2.10	10 2 10		19 7 /		
	8-3-10 8-3-10	9-3-10 1-0-0	1-0-0		8-3-10		
	age,0-1-8], [6:0-1-8,Eage],	[7:0-1-8,Edge]					
LOADING (psf)	SPACING- 1-7-3 Plate Grip DOI 1.00	<b>CSI.</b>	DEFL. in	(loc) l/de	fl L/d	PLATES GRIP	90
TCDL 10.0	Lumber DOL 1.00	BC 0.84	Vert(CT) -0.37	18-19 >60	3 360	MT20HS 187/1	43
BCLL 0.0 BCDL 5.0	Rep Stress Incr YES Code IRC2021/TPI2014	WB 0.49 Matrix-SH	Horz(CT) 0.06	14 n/	a n/a	Weight: 97 lb FT	= 20%F, 11%E
			PRACING			5	
TOP CHORD 2x4 SP No	.1(flat)		TOP CHORD	Structural w	ood sheathing dired	ctly applied or 6-0-0 oc	purlins, except
BOT CHORD 2x4 SP No WFBS 2x4 SP No	.1(flat) .3(flat)		BOT CHORD	end vertical Rigid ceiling	s. u directly applied or	10-0-0 oc bracing	
	24 - 807/0 = 2.0  (min = 0.4.0)	44-007/Mashaniaal	Der enere	r tigita ooning	ganoody applied of	lo o o oo blacing.	
REACTIONS. (ID/SIZE) 2	24–60770-3-6 (11111. 0-1-6),						
FORCES. (lb) - Max. Cor TOP CHORD 2-3=-115	np./Max. Ten All forces 2 3/0_3-4=-2517/0_4-5=-2513	50 (lb) or less except when shown. 7/0_5-6=-3276/0_6-7=-3528/0_7-8=	-3276/0				
8-9=-251	7/0, 9-10=-2517/0, 10-11=-2	2517/0, 11-12=-1153/0					
BOT CHORD 23-24=0/3 17-18=0/3	357, 22-23=0/1927, 21-22= 3528. 16-17=0/3018. 15-16	0/3018, 20-21=0/3018, 19-20=0/35: =0/1927. 14-15=0/357	28, 18-19=0/3528,				
WEBS 6-20=-54	0/18, 5-20=0/429, 5-22=-64	0/0, 3-22=0/753, 3-23=-1007/0, 2-2	3=0/1036,				
2-24=-94 12-15=0/	2/0, 7-17=-540/18, 8-17=0/2 1036, 12-14=-942/0	+∠9, 0-10=-040/0, 11-16=0/753, 11-	15=-1007/0,				
NOTES- (6 7)							
1) Unbalanced floor live lo	oads have been considered	for this design.					
<ol> <li>All plates are MT20 pla</li> <li>All plates are 3x4 MT20</li> </ol>	tes unless otherwise indica ) unless otherwise indicated	ted. d.					
4) Refer to girder(s) for tru	iss to truss connections.	10.0.0. oc and factored to each th	use with 2 10d (0 1	131" ¥ 2"\ no	ile Stronghooks to		

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

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0027 CAMPBELL RIDGE   49 ALDEN WAY ANGIER, NC
25-2455-F02	F221	Floor Supported Gable	1	1	Job Reference (optional) # 57916

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Tue Mar 25 00:48:08 2025 Page 1 ID:gUCksxzC6J7HT2yGkHFINYyiOvf-AG0yhH6vZQuLiQ4XlbYPpB?AI\_zdjAy6wLxJ48zXZhr

Scale = 1:29.9



				18-3-10			
Г				18-3-10			1
Plate O	ffsets (X,Y)	[1:Edge,0-1-8], [8:0-1-8,Edge], [25:0-	1-8,Edge], [32:Edge,0-1-8	3]			
LOADIN TCLL TCDL BCLL	IG (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 25 n/a n/a	PLATES MT20	<b>GRIP</b> 244/190
BCDL	5.0	Code IRC2021/TPI2014	Matrix-SH			Weight: 80 lb	FT = 20%F, 11%E
LUMBE TOP CH BOT CH	<b>R-</b> IORD 2x4 SF IORD 2x4 SF	P No.1(flat) P No.1(flat)		BRACING- TOP CHORD	Structural wood sheathing of end verticals.	directly applied or 10-	0-0 oc purlins, except
WEBS OTHER	2x4 SF S 2x4 SF	9 No.3(flat) 9 No.3(flat)		BOT CHORD	Rigid ceiling directly applied	d or 10-0-0 oc bracing	].

REACTIONS. All bearings 18-3-10.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 32, 17, 31, 30, 29, 28, 26, 25, 24, 23, 22, 21, 20, 19, 18

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

NOTES- (6-7)

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

2) Gable requires continuous bottom chord bearing.

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

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

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

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LOAD CASE(S) Standard

