# 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 #: 56553 JOB: 25-0889-F01 JOB NAME: LOT 0.0016 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 2018 as well as IRC 2021. 23 Truss Design(s)

Trusses:

F101, F102, F104, F106, F107, F108, F109, F110, F111, F112, F113, F114, F115, F116, F117, F117A, F118, F119, F120, F121, F122, F125, F126



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

Job	Truss	Truss T	уре		Qty	Ply	LOT 0.0016 CAMPB	ELL RIDGE   253 ALDEN	NAY AN	GIER, NC
25-0889-F01	F101	Floor Su	pported Gable		1	1	Job Reference (or	ptional)	#	56553
0-1-8				Run: 8	630 s Jul 1 D:HnBel3	2 2024 Prir ytaQyablC	nt: 8.630 s Jul 12 2024 Qe8fkFi9zx7Fz-5180	MiTek Industries, Inc. We D2gO1eRv5nHnF6j?q?2	d Feb 50 XzR95ul	09:12:12 2025 Page 1 BTzA7Dvstg7zoFD1
										Scale = 1:33.2
		3x8 F	P=	3x4 =						3x4
	3 1 4 ST1 ST1 ST1 ST1 F F	5 6 / ST1 S	8 11 ST1 B1 F XXXXXXXXX	9 10 ST1 W2 ST1 ST1 W2 XXX	11 ST1	12 12 ST ST	13 1 ST1 	14 15 ST1 ST1 B22 XXXXXXXXXX	16 ST1	
34 33 3x4	32 31	30 2	9 28	27 26 3x4 =	25	24	23 22 3x8 FP=	21 20	19	18 3x4
Plate Offsets (X,Y)	[9:0-1-8,Edge], [26:0-1-6	3,Edge], [34:Ed	lge,0-1-8]	<u>20-3-12</u> 20-3-12						
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/T	2-0-0 1.00 1.00 YES PI2014	<b>CSI.</b> TC 0.08 BC 0.01 WB 0.04 Matrix-SH	DEFL. Vert(LL Vert(CT Horz(C	in ) n/a ) n/a T) 0.00	(loc) - - 18	l/defl L/d n/a 999 n/a 999 n/a n/a	PLATES MT20 Weight: 87 II	<b>GRIP</b> 244/1	190 Γ = 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)	L. L.		BRACIN TOP CI BOT CI	<b>IG-</b> IORD IORD	Structur end ver Rigid ce	al wood sheathin ticals. eiling directly appl	g directly applied or 6	-0-0 oc ng.	purlins, except

OTHERS 2x4 SP No.3(flat)

**REACTIONS.** All bearings 20-3-12.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 34, 18, 33, 32, 31, 30, 29, 28, 27, 26, 25, 24, 22, 21, 20, 19

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	russ Type	Qty	Ply	LOT 0.0016 CAMPBEL	L RIDGE   253 ALDEN WA	AY ANGIER, NC
25-0889-F01	F102 F	loor	10	1			# 56553
			Run: 8.630 s Jul	 12 2024 Pri	1300 Reference (option nt: 8.630 s Jul 12 2024 M	onal) iTek Industries, Inc. Wed I	Feb 5 09:12:12 2025 Page 1
0-1-8			ID:HIBEI:	sylaQyable	JEOIKF192X7F2-316O2	gO tervonniroj?q?X2	COSIGTW87DVSIg720FDT
ц <u>1-3-0</u>	1-2-6	2-0-0			2-0-0	1-4-8	
	1 11	I			I	11 1	Scale = 1:33.3
1.5x3 =		3x8 FP=	3x8 =		1.5x3	1.5x3	3x6 =
1	2 T1 3	4 5	6	7	<sup>8</sup> T2	9 10	11
925			FIR ,	R	<u>.</u>	1 10 10 10 10 10 10 10 10 10 10 10 10 10	W1 Q
		B1 D				199	
	<u>101</u>			<u>Ф</u>		104	
24 23	22 21	20 19	18 17	16	15	14	13 12
	1.5x3	1.5x3	3х	8 FP=			
<u> </u>	<u> </u>				<u>20-3-14</u> 10-3-0		
Plate Offsets (X,Y) [3:0	)-1-8,Edge], [4:0-1-8,Edge], [1	4:0-1-8,Edge], [15:0-1-8,Edge]	, [24:Edge,0-1-8]			I	
LOADING (psf)	<b>SPACING-</b> 1-4-0	CSI.	DEFL. ir	n (loc)	l/defl L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.28	Vert(LL) -0.07	21-22	>999 480	MT20	244/190
BCLL 0.0	Rep Stress Incr YES	WB 0.23	Horz(CT) 0.01	12	n/a n/a		
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH				Weight: 101 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	Structure end ver	ral wood sheathing ( ticals	directly applied or 6-0	)-0 oc purlins, except
WEBS 2x4 SP No	p.3(flat)		BOT CHORD	Rigid ce	eiling directly applie	d or 10-0-0 oc bracing	g, Except:
REACTIONS. (lb/size)	24=346/0-7-14 (min. 0-1-8).	12=357/0-4-8 (min. 0-1-8). 18=	=765/0-4-8 (min. 0-1	6-0-0 o -8)	c bracing: 18-19,17-	-18.	
Max Grav	24=362(LC 10), 12=369(LC 7	7), 18=765(LC 1)		- /			
FORCES. (Ib) - Max. Co	mp./Max. Ten All forces 25	0 (Ib) or less except when show	/n.				
TOP CHORD 24-25=-3	357/0, 1-25=-356/0, 11-12=-30	66)0, 1-2=-389/0, 2-3=-811/0, 3	-4=-811/0,				
4-5390	3/20, 3-0390/20, 0-7307/0 387/0	, 7-0003/0, 0-9003/0, 9-10-	803/0,				
BOT CHORD 22-23=0 14-15=0	/730, 21-22=0/811, 20-21=0/8 /863_13-14=0/718	311, 19-20=0/811, 16-17=0/701	, 15-16=0/701,				
WEBS 6-18=-72	24/0, 6-19=0/475, 4-19=-588/0	), 1-23=0/469, 2-23=-444/0, 6-1	17=0/481,				
7-17=-46	50/0, 7-15=0/303, 11-13=0/48	6, 10-13=-431/0					
<b>NOTES-</b> (5-6)							
<ol> <li>Unbalanced floor live I</li> <li>All plates are 3x4 MT2</li> </ol>	oads have been considered f 0 unless otherwise indicated.	or this design.					
3) Recommend 2x6 stror	ngbacks, on edge, spaced at	10-0-0 oc and fastened to each	n truss with 3-10d (0.	131" X 3'	') nails. Strongback	s to	
4) CAUTION. Do not ere	t their outer ends or restrained ct truss backwards.	by other means.					
5) Graphical web bracing	representation does not dep	ct the size, type or the orientati	on of the brace on th	ie web. S	ymbol only indicate	s that	
<ul><li>6) Bearing symbols are c</li></ul>	naced. only graphical representations	of a possible bearing condition	. Bearing symbols a	re not cor	nsidered in the struc	tural	
design of the truss to s	support the loads indicated.						
LOAD CASE(S) Standar	d					MARTHUM	111tten
						INNORTH CA	OLIANI
						S PESSI	B. Vall



Job	Truss	Truss Type	Qty	Ply LO	T 0.0016 CAMPBEL	L RIDGE   253 ALDEN W	AY ANGIER, NC
25-0889-F01	F104	GABLE	2	1 Jo	b Reference (option	onal)	# 56553
0-1-8 H	⊣	2-0-0	Run: 8.630 s Jul 12 ID:HnBel3ytaQy	2 2024 Print: 8.1 /ablQe8fkFi9;	630 s Jul 12 2024 Mi zx7Fz-ZUinG0PfP   2-0-0	iTek Industries, Inc. Wed k1yPRMSgQW3YkWa    1-4-8	Feb 5 09:12:13 2025 Page 1 fUBpCMiHSZbQCZzoFD0 Scale = 1:33.3
$1.5x3    \\ 1.5x3 = 1.5x3    \\ 1 2 \\ 28 \\ 5 \\ 7 \\ 28 \\ 5 \\ 7 \\ 26 \\ 1.5x3   $	3x6 = 1.5x3    3  4  T1  5 4  T1  5 5  T1	3x8 FP= 6 7 B1 22 21    1.5x3	3x8 = 8 20 19 12 3x8	9 8 FP=	.5x3    10 T2 10 T2 17	1.5x3    11 12 10 16	3x6 =
<u>1-4-0</u> <u>2-6-6</u> 1-4-0 <u>1-2-6</u> Plate Offsets (X Y)- [5:0	2-7-14 6 0-1-8 -1-8 Edge] [6:0-1-8 Edge] [	10-0-14 7-5-0 14-Edge 0-1-8] [16:0-1-8 Edge		Edge 0-1-8	<u>20-3-14</u> 10-3-0		I
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 1-7-3 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.23 BC 0.24 WB 0.28 Matrix-SH	DEFL. in Vert(LL) -0.04 Vert(CT) -0.05 Horz(CT) 0.01	(loc) l/de 16 >99 15-16 >99 14 n/	efi L/d 99 480 99 360 /a n/a	<b>PLATES</b> MT20 Weight: 102 It	<b>GRIP</b> 244/190 FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SP No BOT CHORD 2x4 SP No WEBS 2x4 SP No OTHERS 2x4 SP No	.1(flat) .1(flat) .3(flat) .3(flat)		BRACING- TOP CHORD BOT CHORD	Structural w end vertical Rigid ceiling 6-0-0 oc bra	vood sheathing o ls. g directly applied acing: 20-21,19-	directly applied or 6-0 d or 10-0-0 oc bracin 20.	)-0 oc purlins, except g, Except:
(Ib) - Max Uplift Max Grav	All uplift 100 lb or less at jc All reactions 250 lb or less 20=848(LC 4)	int(s) 26 at joint(s) 27, 26 except 14=42	3(LC 5), 25=380(LC 3)	, 25=367(LC	C 1),		
FORCES.         (lb)         - Max. Cor           TOP CHORD         13-14=-4           10-11=-9           BOT CHORD         23-24=0/           17-18=0/           WEBS         3-25=-35           9-19=-54	np./Max. Ten All forces 2: 22/0, 3-4=-324/0, 4-5=-324/ 43/0, 11-12=-943/0, 12-13= 479, 22-23=0/479, 21-22=0, 701, 16-17=0/943, 15-16=0, 4/0, 8-20=-815/0, 8-19=0/57 5/0, 9-17=0/347, 13-15=0/5	50 (lb) or less except when sho 0, 5-6=-479/0, 8-9=-283/18, 9-1 -443/0 479, 20-21=-253/0, 19-20=-253 813 '9, 8-21=0/407, 6-21=-429/0, 3- 55, 12-15=-482/0	wn. 0=-943/0, 8/0, 18-19=0/701, 24=0/399,				
<ul> <li>NOTES- (7-8)</li> <li>1) Unbalanced floor live ld</li> <li>2) All plates are 3x4 MT2(3) Gable studs spaced at</li> <li>4) Provide mechanical co</li> <li>5) Recommend 2x6 strombe attached to walls at</li> <li>6) CAUTION, Do not erect</li> <li>7) Graphical web bracing the member must be blacked by a strong the member must be blacked by a strong the truss to strong be attached to strong the truss to strong the truss to strong be attached by a strong be attached by a strong the truss to strong be attached by a strong by a strong be attached by a strong be attached by a strong by a s</li></ul>	bads have been considered 0 unless otherwise indicated 1-4-0 oc. nnection (by others) of truss gbacks, on edge, spaced at their outer ends or restrainet truss backwards. representation does not dep raced. nly graphical representation: upport the loads indicated.	for this design. I. to bearing plate capable of wit 10-0-0 oc and fastened to eac ed by other means. Dict the size, type or the oriental s of a possible bearing condition	hstanding 100 lb uplift h truss with 3-10d (0.1 tion of the brace on the n. Bearing symbols are	at joint(s) 26 31" X 3") na e web. Symb e not conside	6. iils. Strongback: ool only indicates ered in the struc	s to s that tural unit TH CA	ROLINA ORIGE
LUAD CASE(S) Standard	I					ELERAI	



Job	Truss	Truss Type	Qty	Ply	LOT 0.0016 CAMPBEL	L RIDGE   253 ALDEN W	/AY ANGIER, NC
25-0889-F01	F106	Floor	12	1	. Job Reference (onti	onal)	# 56553
			Run: 8.630 s Jul <sup>2</sup> ID:HnBel3v	12 2024 Print: taQvablQe8	8.630 s Jul 12 2024 M 8.630 s Jul 12 2024 M	liTek Industries, Inc. Wed	Feb 5 09:12:14 2025 Page 1 2kkuVRxpxQqDI zk0zoFD?
0-1-8			12.1 1120103	agabigot			
H <b>⊢ 1-3-0</b>	<u>ρ-5-6</u> <u>2-0-0</u>			F	2-0-0	1-4-8	Scalo - 1:20.0
							Scale = 1:29.9
1 522 -	1 5 2 1	2v0 ED	_	1 52	2    1 5		2,46
1.5x5 —	2 3	3x0 FP 3x0 - 4 5 6	- 7	8	5    I.5/ 9	10	3x0 — 11
					T2		
924 S BEA	443		$\langle \rangle$			Wa	-2-0 IW
		B1				<b>B</b> 2	
	21	20 10	17 16	15	14	I.	13
25 22	21	1.5x3	3x8 FP=	15	14	r.	15 12
	<u>8-0-14</u> 8-0-14				<u>18-3-14</u> 10-3-0		
Plate Offsets (X,Y) [4:0	)-1-8,Edge], [14:0-1-8,Edge	], [15:0-1-8,Edge], [21:0-1-8,Edge]	dge], [23:Edge,0-1-8]			1	
LOADING (psf)	SPACING- 1-7-3	CSI.	DEFL. ir	n (loc) l/	/defl L/d	PLATES	GRIP
TCLL 40.0 TCDL 10.0	Plate Grip DOL 1.00 Lumber DOL 1.00	) TC 0.27 ) BC 0.28	Vert(LL) -0.05 Vert(CT) -0.06	5 13-14    > 5 13-14    >	999 480 999 360	MT20	244/190
BCLL 0.0	Rep Stress Incr YES	WB 0.28	Horz(CT) 0.01	12	n/a n/a	Maight 02 lb	FT - 200/ F 110/ F
BCDL 5.0	Code IRC2021/1PI2014	Matrix-SH				weight: 92 lb	FT = 20%F, TT%E
LUMBER- TOP CHORD 2x4 SP No	o 1(flat)		BRACING- TOP CHORD	Structura	l wood sheathing	directly applied or 6-	0-0 oc purlins except
BOT CHORD 2x4 SP No	o.1(flat)			end verti	cals.		
WEBS 2X4 SP No	0.3(fiat)		BOI CHORD	6-0-0 oc	bracing: 18-19,17-	d or 10-0-0 oc bracir ·18.	ig, Except:
REACTIONS. (lb/size) Max Grav	23=306/0-7-14 (min. 0-1-8 23=328(I C 10) 12=431(I C	8), 12=415/0-4-8 (min. 0-1-8), 1 C 7)	18=863/0-4-8 (min. 0-1	-8)			
TOP CHORD 23-24=-3	mp./Max. Ten All forces 2 326/0, 1-24=-325/0, 11-12=	-429/0, 1-2=-326/0, 2-3=-578/0	iown. , 3-4=-578/0,				
6-7=-349 BOT CHORD 21-22=0	)/0, 7-8=-982/0, 8-9=-982/0 /591_20-21=0/578_19-20=(	, 9-10=-982/0, 10-11=-452/0	13/0 16-17=0/761				
15-16=0	761, 14-15=0/982, 13-14=0	D/833					
WEBS 6-18=-82 7-17=-55	27/0, 6-19=0/460, 4-19=-49 55/0, 7-15=0/406, 11-13=0/	9/0, 1-22=0/391, 2-22=-346/0, ( 567, 10-13=-496/0	6-17=0/580,				
	, ,						
1) Unbalanced floor live l	oads have been considered	d for this design.					
<ol> <li>All plates are 3x4 MT2</li> <li>Becommend 2x6 stror</li> </ol>	0 unless otherwise indicate	ed. at 10-0-0_oc and fastened to ea	ach truss with 3-10d (0	131" X 3")	nails Strongback	is to	
be attached to walls at	their outer ends or restrain	ied by other means.					
<ul><li>4) CAUTION, Do not ered</li><li>5) Graphical web bracing</li></ul>	ct truss backwards. representation does not de	epict the size, type or the orient	ation of the brace on th	ie web. Svi	mbol only indicate	s that	
the member must be b	raced.		on Booring symbols	o not cor-	idered in the strift	tural	
design of the truss to s	support the loads indicated.	na or a possible bearing conditi	on. Dearing symbols al	e not cons		aurai	

## LOAD CASE(S) Standard





TCLL         40.0           TCDL         10.0           BCLL         0.0           BCDL         5.0	Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	TC 0.06 BC 0.01 WB 0.03 Matrix-SH	Vert(LL) n/ Vert(CT) n/ Horz(CT) 0.0	a - n/a 999 a - n/a 999 0 15 n/a n/a	MT20 2 Weight: 46 lb	44/190 FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 S BOT CHORD 2x4 S	P No.1(flat) P No.1(flat)		BRACING- TOP CHORD	Structural wood sheathing o end verticals.	directly applied or 6-0-0	0 oc purlins, except

OTHERS 2x4 SP No.3(flat)

REACTIONS. All bearings 9-11-12.

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

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

NOTES-(6-7)

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

2) Gable requires continuous bottom chord bearing.

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

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

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

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

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

LOAD CASE(S) Standard





		5-2-1	1	6-2-1	7-2-1		12-4-2	
		5-2-1	1	1-0-0	1-0-0		5-2-1	I
Plate O	ffsets (X,Y)	[3:0-1-8,Edge], [4:0-1-8,Edge], [14:Ed	ge,0-1-8]					
LOADIN TCLL TCDL BCLL BCDL	<b>IG</b> (psf) 40.0 10.0 0.0 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	<b>CSI.</b> TC 0.29 BC 0.54 WB 0.41 Matrix-SH		DEFL.         ir           Vert(LL)         -0.09           Vert(CT)         -0.11           Horz(CT)         0.02	n (loc) I/defi L/d 9 11-12 >999 480 111-12 >999 360 2 7 n/a n/a	PLATES GI MT20 24 Weight: 62 lb	<b>RIP</b> 4/190 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)					BRACING- TOP CHORD BOT CHORD	Structural wood sheathing o end verticals. Rigid ceiling directly applied	directly applied or 6-0-0 d or 10-0-0 oc bracing.	oc purlins, except

REACTIONS. (lb/size) 14=659/0-7-14 (min. 0-1-8), 7=665/0-4-8 (min. 0-1-8)

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

TOP CHORD 14-15=-656/0, 1-15=-655/0, 6-7=-661/0, 1-2=-638/0, 2-3=-1601/0, 3-4=-1904/0, 4-5=-1602/0, 5-6=-636/0

BOT CHORD 12-13=0/1288, 11-12=0/1904, 10-11=0/1904, 9-10=0/1904, 8-9=0/1290

WEBS 3-12=-493/0, 2-12=0/418, 2-13=-846/0, 1-13=0/822, 4-9=-493/0, 5-9=0/417, 5-8=-851/0, 6-8=0/852

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





Plate Offsets (A, f)	_[5.0-1-o,⊏uge], [15.0-1-o,⊏uge], [16.t	zuge,u-i-oj			
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.06 BC 0.01 WB 0.03 Matrix-SH	<b>DEFL.</b> ir Vert(LL) n/a Vert(CT) n/a Horz(CT) 0.00	n (loc) l/defi L/d a - n/a 999 a - n/a 999 0 10 n/a n/a	PLATES         GRIP           MT20         244/190           Weight: 46 lb         FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SI BOT CHORD 2x4 SI WEBS 2x4 SI	P No.1(flat) P No.1(flat) P No.3(flat)		BRACING- TOP CHORD	Structural wood sheathing end verticals. Bigid ceiling directly applie	directly applied or 6-0-0 oc purlins, except

OTHERS 2x4 SP No.3(flat)

REACTIONS. All bearings 9-11-14.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 18, 10, 17, 16, 15, 14, 13, 12, 11

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

NOTES-(6-7)

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

2) Gable requires continuous bottom chord bearing.

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

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

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

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

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

LOAD CASE(S) Standard





			<u>10-3-2</u> 10-3-2		
Plate Offsets ()	(,Y) [4:0-1-8,Edge], [5:0-1-8,Edge], [13: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	CSI. TC 0.35 BC 0.54 WB 0.28 Matrix-SH	DEFL. ii Vert(LL) -0.0 Vert(CT) -0.1 Horz(CT) 0.0	n (loc) l/defl L/d 3 10-11 >999 480 1 10-11 >999 360 1 7 n/a n/a	PLATES         GRIP           MT20         244/190           Weight: 53 lb         FT = 20%F, 11%E
LUMBER- TOP CHORD 2 BOT CHORD 2 WEBS 2	2x4 SP No.1(flat) 2x4 SP No.1(flat) 2x4 SP No.3(flat)		BRACING- TOP CHORD BOT CHORD	Structural wood sheathing o end verticals. Rigid ceiling directly applied	directly applied or 6-0-0 oc purlins, except

REACTIONS. (lb/size) 13=435/0-7-14 (min. 0-1-8), 7=440/0-4-8 (min. 0-1-8)

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

TOP CHORD 13-14=-430/0, 1-14=-429/0, 6-7=-425/0, 1-2=-459/0, 2-3=-1027/0, 3-4=-1027/0, 4-5=-968/0, 5-6=-464/0

BOT CHORD 11-12=0/858, 10-11=0/968, 9-10=0/968, 8-9=0/968

WEBS 6-8=0/582, 5-8=-644/0, 1-12=0/553, 2-12=-520/0

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	Туре	Qty	Ply LOT 0	.0016 CAMPBELL RIDGE   25	3 ALDEN WAY ANGIE	ER, NC
25-0889-F01	F111	Floor S	Supported Gable	1	1 Job F	Reference (optional)	# :	56553
				Run: 8.630 s ID:Hn	Jul 12 2024 Print: 8.630 Bel3ytaQyablQe8fkFi	s Jul 12 2024 MiTek Industrie 9zx7Fz-z3Ovu2RYifPXGv	s, Inc. Wed Feb 509: 50LY3mAN88YiF9P	12:16 2025 Page 1 'nGj8Xq4ouzoFCz
0 <u>-1-</u> 8								
								Scale = 1:16.6
								3x4
1	2	3	$_{4}$ 3x4 =	5	6	7	8	9
]	•	•			•	•	•	
19	Π				Π		Π	
Ċ BL	ST1	ST1	ST1 W2	st1	ST1	ST1	ST1	
				XXXXXXXXXXX				
18	17	16	15	14	13	12	11	10
3x4				3x4 =				3x4
				0X1 —				
				10.2.2				

1			10-3-2			1
Plate Offsets (X,Y)	[4:0-1-8,Edge], [14:0-1-8,Edge], [18: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	<b>CSI.</b> TC 0.06 BC 0.01 WB 0.03 Matrix-SH	DEFL. ir Vert(LL) n/a Vert(CT) n/a Horz(CT) 0.00	n (loc) l/defl L/d a - n/a 999 a - n/a 999 0 10 n/a n/a	PLATES MT20 Weight: 47 lb	<b>GRIP</b> 244/190 FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SP BOT CHORD 2x4 SP WEBS 2x4 SP OTHERS 2x4 SP	No.1(flat) No.1(flat) No.3(flat) No.3(flat)		BRACING- TOP CHORD BOT CHORD	Structural wood sheathing end verticals. Rigid ceiling directly appl	g directly applied or 6-0 ied or 10-0-0 oc bracino	I-0 oc purlins, except g.

**REACTIONS.** All bearings 10-3-2.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 18, 10, 17, 16, 15, 14, 13, 12, 11

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





			10-5-4		
Plate Offsets (X,Y)-	- [9:0-1-8,Edge], [10:0-1-8,Edge], [12:E	Edge,0-1-8]	10-5-4		
LOADING (psf)           TCLL         40.0           TCDL         10.0           BCLL         0.0           BCDL         5.0	SPACING- 1-4-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.20 BC 0.23 WB 0.24 Matrix-SH	DEFL. in Vert(LL) -0.0- Vert(CT) -0.0 Horz(CT) 0.0	n (loc) l/defl L/d 4 8-9 >999 480 5 8-9 >999 360 1 7 n/a n/a	PLATES         GRIP           MT20         244/190           Weight: 53 lb         FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 S BOT CHORD 2x4 S WEBS 2x4 S	SP No.1(flat) SP No.1(flat) SP No.3(flat) SP No.3(flat)		BRACING- TOP CHORD BOT CHORD	Structural wood sheathing c end verticals. Rigid ceiling directly applied	lirectly applied or 6-0-0 oc purlins, except

**REACTIONS.** (lb/size) 12=374/0-4-8 (min. 0-1-8), 7=374/0-4-8 (min. 0-1-8)

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

TOP CHORD 1-12=-369/0, 6-7=-371/0, 1-2=-391/0, 2-3=-887/0, 3-4=-887/0, 4-5=-887/0, 5-6=-394/0

BOT CHORD 10-11=0/731, 9-10=0/887, 8-9=0/730

WEBS 1-11=0/490, 2-11=-443/0, 2-10=0/302, 6-8=0/494, 5-8=-438/0, 5-9=0/292

NOTES- (4-5)

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) 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





	11-7-2							
1		1	1-7-2			I		
Plate Offsets (X	Y) [4:0-1-8,Edge], [7:0-1-8,Edge]	[12:0-1-8,Edge], [14:Edge,0-1-8]						
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 1-4- Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code JRC2021(TP)201/	CSI. TC 0.28 BC 0.38 WB 0.26 Matrix-SH	<b>DEFL.</b> in Vert(LL) -0.06 Vert(CT) -0.08 Horz(CT) 0.01	(loc) l/defl L/d 10-11 >999 480 10-11 >999 360 8 n/a n/a	PLATES ( MT20 2	<b>GRIP</b> 244/190 ET = 20%E 11%E		
BOBE 0.0					Wolgina do lo	11 20/01, 11/02		
LUMBER-TOP CHORD2x4 SP No.1(flat)BOT CHORD2x4 SP No.1(flat)WEBS2x4 SP No.3(flat)			BRACING- TOP CHORD BOT CHORD	Structural wood sheathing c end verticals. Rigid ceiling directly applied	lirectly applied or 6-0- l or 10-0-0 oc bracing	0 oc purlins, except		

**REACTIONS.** (lb/size) 14=416/0-4-8 (min. 0-1-8), 8=412/0-7-14 (min. 0-1-8)

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

TOP CHORD 1-14=-407/0, 8-15=-408/0, 7-15=-407/0, 1-2=-438/0, 2-3=-1089/0, 3-4=-1089/0, 4-5=-1034/0, 5-6=-1034/0, 6-7=-448/0

- BOT CHORD 12-13=0/840, 11-12=0/1089, 10-11=0/1089, 9-10=0/838
- WEBS 1-13=0/550, 2-13=-524/0, 2-12=0/405, 7-9=0/541, 6-9=-508/0, 6-10=0/250

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		Qty	Ply	LOT 0.0016 CAMPBEL	L RIDGE   253 ALDEN W	/AY ANG	IER, NC
25-0889-F01	F114		Floor Supported Gable		1	1	Job Reference (opti	onal)	#	56553
	i			Run: 8 ID	3.630 s Jul :HnBel3yta	12 2024 Prir QyablQe8	it: 8.630 s Jul 12 2024 M lfkFi9zx7Fz-RGyH5O	iTek Industries, Inc. Wed SATzXOu2gDvGa?iag	Feb 5 09 JF6bO8	EVtNBZeKLzoFC
										0 <sub>11</sub> 8
										Scale = 1:18.2
3x4    1	2	3	4	5 <sup>3x4</sup> =	6		7	8	9	10
] [+]	•	•	•		•		•	•	[	<del>0 0</del>
2 W1	ST1	ST1	ST1	ST1 W2	ST1		ST1	ST1	s	
		~~~		B1		~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			
KXXXXXX 20	XXXXXXXXX 19	XXXXXXXXX 18	XXXXXXXXXXXX 17	XXXXXXXXXX 16	XXXXX 15	XXXX	XXXXXXXXXX 14	XXXXXXXXXXX 13	(XXX) 12	<u><xxxx< u=""> 2 11</xxxx<></u>
3x4					3x4 =	=				3x4

L			11-2-10			
Plate Offsets (X,Y)	[1:Edge,0-1-8], [5:0-1-8,Edge], [15:0-	1-8,Edge], [20:Edge,0-1-8	<u>11-2-10</u> 8]			
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	<b>CSI.</b> TC 0.06 BC 0.01 WB 0.03 Matrix-SH	<b>DEFL.</b> ir Vert(LL) n/a Vert(CT) n/a Horz(CT) -0.00	n (loc) l/defi L/d - n/a 999 - n/a 999 11 n/a n/a	<b>PLATES</b> MT20 Weight: 52 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	9 No.1(flat) 9 No.1(flat) 9 No.3(flat) 9 No.3(flat)		BRACING- TOP CHORD BOT CHORD	Structural wood sheathing d end verticals. Rigid ceiling directly applied	lirectly applied or 10- l or 6-0-0 oc bracing.	0-0 oc purlins, except

**REACTIONS.** All bearings 11-2-10.

(lb) - Max Uplift All uplift 100 lb or less at joint(s) 11

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- (8-9)

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

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

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

- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11.
- 6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

7) CAUTION, Do not erect truss backwards.

- 8) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
- 9) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

#### LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply l	LOT 0.0016 CAMPBELL RIDGE   253 ALDEN V	VAY AN	GIER, NC
25-0889-F01	F115	Floor Supported Gable	1	1	Job Reference (optional)	#	56553
			Run: 8.630 s Jul 12 ID:HnBel3ytaC	2024 Print: yablQe8fk	8.630 s Jul 12 2024 MiTek Industries, Inc. Wec Fi9zx7Fz-RGyH5OSATzXOu2gDvGa?ia	I Feb 50 gJF6bO	)9:12:17 2025 Page 1 98EVtNBZeKLzoFC
							Scale = 1:23.0
2~4							214
1 2	3 4	5 6 <sup>3x4</sup>	= 7	8	9 10	11	1 12
	•				•		
Q ₩1 ST1	ST1 S	T1 ST1 ST1	W2 ST1	ST1	ST1 ST1	s	τ <sub>1</sub> Ψ1 ο
			B1				
					*****	XXX	
24 23	22 2	1 20 19	18	17	16 15	14	↓ 13
3x4			3x4 =				3x4

<b> </b>			14-1-12		
Plate Offsets (X,Y)	[1:Edge,0-1-8], [6:0-1-8,Edge], [18:0-	1-8,Edge], [24:Edge,0-1-8	3]		
LOADING (psf)           TCLL         40.0           TCDL         10.0           BCLL         0.0           BCDL         5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.06 BC 0.01 WB 0.03 Matrix-SH	<b>DEFL.</b> in Vert(LL) n/a Vert(CT) n/a Horz(CT) 0.00	(loc) l/defl L/d - n/a 999 - n/a 999 13 n/a n/a	PLATES         GRIP           MT20         244/190           Weight: 63 lb         FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 S BOT CHORD 2x4 S WEBS 2x4 S OTHERS 2x4 S	P No.1(flat) P No.1(flat) P No.3(flat) P No.3(flat)		BRACING- TOP CHORD BOT CHORD	Structural wood sheathing o end verticals. Rigid ceiling directly applied	lirectly applied or 10-0-0 oc purlins, except d or 10-0-0 oc bracing.

**REACTIONS.** All bearings 14-1-12.

(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- (6-7)

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

2) Gable requires continuous bottom chord bearing.

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

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

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

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

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

LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	LOT 0.0016 CAMPBELL RIDG	E   253 ALDEN WAY	ANGIER, NC	
25-0889-F01	F116	FLOOR	7	1	Job Reference (optional)		# 56553	
			Run: 8.630 s Jul 12 ID:HnBel3v	2 2024 Print taQvablQe	t: 8.630 s Jul 12 2024 MiTek Ind 8.680 s Jul 12 2024 MiTek Ind	ustries, Inc. Wed Feb IFWCEPSz6EEoD	5 09:12:18 2025 I8VIXtl I20br IBtn	Page 1
1-3-0	1-0-4	0-7-0	12.1 mBoloy	adyable	0-5-4			201 07
1 1	1 1	1 1			1 1		Quala	4/01 41
							Scale: 7	1/2"=1'
	4x8 = 3x4	3x4 = 1.5x3		3х	4 = 3x4    6x6 =	-	4x8 =	
1 <sup>4x8</sup> =	2 3	4 5 6 <sup>3</sup>	<pre>&lt;4 =</pre>	7	8 9		10	r
				b				
	W3			Wa				1-2-0
								φ.
					®	I	Ä	6
1.9 18	17	16 15	14		13	12		
3x6    6x8	= 6x10 =	3x6    3x	6    3x6		7x8 =	6x8 =	3x6	
L	3-9-4 3-1,0 <sub>T</sub> 12	1	1-2-12		I	14-6-8		
Plate Offsets (X Y) [1-F	3-9-4 0-1-8 dae 0-1-8] [6:0-1-8 Edge]	[10:0-3-0 Edge] [15:0-3-0 0-0-0]	7-4-0		I	3-3-12	1	
				(1				
TCLL 40.0	Plate Grip DOL 1.00	TC 0.76	Vert(LL) -0.08	(100)	>999 480	MT20 2	244/190	
TCDL 10.0	Lumber DOL 1.00	BC 0.78	Vert(CT) -0.33	15 >	>517 360			
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH	1012(01) 0.00		1//4 1//4	Weight: 110 lb	FT = 20%F, 1 <sup>2</sup>	1%E
LUMBER-			BRACING-					
TOP CHORD 2x4 SP SS BOT CHORD 2x4 SP No	S(flat)		TOP CHORD	Structura	al wood sheathing directly	/ applied or 4-10-	10 oc purlins,	
WEBS 2x4 SP No	p.3(flat)		BOT CHORD	Rigid cei	iling directly applied or 10	)-0-0 oc bracing.		
REACTIONS. (lb/size)	19=1879/0-4-8 (min. 0-1-8)	, 11=1857/0-4-8 (min. 0-1-8)						
FORCES. (Ib) - Max Co	mp /Max Ten - All forces 2	50 (lb) or less except when shown						
TOP CHORD 1-19=-18	355/0, 10-11=-1830/0, 1-2=-	2482/0, 2-3=-6434/0, 3-4=-6495/0, 4	4-5=-6709/0, 5-6=-	6709/0, 6	6-7=-6401/0,			
7-8=-551 BOT CHORD 17-18=0/	3/0, 8-9=-5537/0, 9-10=-24 /4697, 16-17=0/6724, 15-16	54/0 =0/6709, 14-15=0/6709, 13-14=0/61	112, 12-13=0/4538					
WEBS 8-13=-10	063/0, 3-17=-1365/0, 10-12=	0/3013, 9-12=-2718/0, 9-13=0/1775	5, 1-18=0/3048, 2-	18=-2826	/0, 2-17=0/2310,			
4-17=-27	9/0, 7-13=-740/0, 7-14=0/4	23, 6-14=-521/0						
NOTES- (5-6) 1) Unbalanced floor live l	oads have been considered	for this design						
2) Load case(s) 1, 2, 3, 4	, 5, 6 has/have been modifie	ed. Building designer must review lo	oads to verify that t	hey are c	correct for the intended			
<ul><li>use of this truss.</li><li>3) Recommend 2x6 stron</li></ul>	gbacks, on edge, spaced at	10-0-0 oc and fastened to each tru	uss with 3-10d (0.1	31" X 3")	nails. Strongbacks to			
be attached to walls at	their outer ends or restraine	ed by other means.	,	,	0			
5) Graphical web bracing	representation does not de	pict the size, type or the orientation	of the brace on the	e web. Sy	mbol only indicates that			
the member must be b 6) Bearing symbols are o	raced. nly graphical representation	s of a possible bearing condition. B	earing symbols are	e not cons	sidered in the structural			
design of the truss to s	support the loads indicated.							
LOAD CASE(S) Standard	t							
1) Dead + Floor Live (bal	anced): Lumber Increase=1	.00, Plate Increase=1.00				ANNIHITI()		
Vert: 11-19=-8	, 1-10=-80					WINGTH CAR	11/1/1	
Concentrated Loads (I Vert: 8=-1120	b) 3=-1360				1111	OFESSID;	Nalla	
2) Dead: Lumber Increas	e=1.00, Plate Increase=1.00	)			in the second second	1º 1	E.	
Vert: 11-19=-8	, 1-10=-80					SEAL		
Concentrated Loads (I Vert: 8=_1120	b) 3=-1360				THM	2014/		
3) 1st chase Dead + Floo	r Live (unbalanced): Lumbe	r Increase=1.00, Plate Increase=1.0	00		Inno	A NOINEER	I STATE	
Uniform Loads (plf) Vert: 11-19=-8	, 1-6=-80, 6-10=-16				in.	ARKY MAD	ARISTIN	
O antinua l						Man a. Wo	1100.	
Continued on page 2						2/4/202	5	
Warning !Verify design	parameters and read notes be	fore use. This design is based only upon	parameters shown, an	d is for an	individual building component	nt to be installed and	l loaded	

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

Job	Truss	Truss Type	Qty	Ply	LOT 0.0016 CAMPBELL RIDGE   253 ALDEN WA	Y ANGIER, NC
25-0889-F01	F116	FLOOR	7	1	Job Reference (optional)	# 56553
		R	un: 8.630 s. Jul 13	2 2024 Prin	t: 8.630 s. Jul 12 2024 MiTek Industries Inc. Wed E	eh 5.09·12·18 2025 Page 2

n: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Wed Feb 5 09:12:18 2025 Page 2 ID:HnBel3ytaQyablQe8fkFi9zx7Fz-wSVgJkToEHfEWCEPSz6EFoDJ8VIXtU20brJBtnzoFCx

LOAD CASE(S) Standard Concentrated Loads (lb) Vert: 8=-1120 3=-1360 4) 2nd chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 11-19=-8, 1-5=-16, 5-10=-80 Concentrated Loads (lb) Vert: 8=-1120 3=-1360 5) 3rd chase Dead: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 11-19=-8, 1-6=-80, 6-10=-16 Concentrated Loads (Ib) Vert: 8=-1120 3=-1360 6) 4th chase Dead: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 11-19=-8, 1-5=-16, 5-10=-80

Concentrated Loads (lb) Vert: 8=-1120 3=-1360





I			14-6-8			I
Plate Offsets (X,Y)	[12:0-1-8,Edge], [13:0-1-8,Edge], [16	:Edge,0-1-8]				
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0	SPACING- 1-7-3 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES	<b>CSI.</b> TC 0.24 BC 0.41 WB 0.43	<b>DEFL.</b> ir Vert(LL) -0.10 Vert(CT) -0.14 Horz(CT) 0.03	n (loc) l/defl L/d 0 12-13 >999 480 4 12-13 >999 360 3 9 n/a n/a	PLATES MT20	<b>GRIP</b> 244/190
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH			Weight: 74 lb	FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 S BOT CHORD 2x4 S	SP No.1(flat) SP No.1(flat)		BRACING- TOP CHORD	Structural wood sheathing end verticals.	directly applied or 6-0	)-0 oc purlins, except
WEBS 2x4 S	P No.3(flat)		BOT CHORD	Rigid ceiling directly applie	d or 10-0-0 oc bracino	a.

14-6-8

REACTIONS. (lb/size) 16=628/0-4-8 (min. 0-1-8), 9=628/0-4-8 (min. 0-1-8)

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

TOP CHORD 1-16=-623/0, 8-9=-623/0, 1-2=-712/0, 2-3=-1680/0, 3-4=-2135/0, 4-5=-2135/0, 5-6=-2135/0, 6-7=-1680/0, 7-8=-712/0

BOT CHORD 14-15=0/1340, 13-14=0/1995, 12-13=0/2135, 11-12=0/1995, 10-11=0/1340

WEBS 1-15=0/893, 2-15=-818/0, 2-14=0/443, 3-14=-410/0, 3-13=-48/363, 8-10=0/893, 7-10=-818/0, 7-11=0/443, 6-11=-410/0, 6-12=-48/363

NOTES- (4-5)

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) 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	0.0016 CAMPBELL	RIDGE   253 ALDEN V	VAY ANGIER, NC
25-0889-F01	F117A	FLOOR	1	1 Job	Reference (option	al)	# 56553
			Run: 8.630 s Jul 1 ID:HnBel3v	2 2024 Print: 8.6	30 s Jul 12 2024 MiTe Fi9zx7Fz-wSVaJkT	ek Industries, Inc. Wec oEHfEWCEPSz6EF	Feb 5 09:12:18 2025 Page 1 FoDMwViltWr0brJBtnzoFCx
1-3-0		0.	<u>-9-4 0-6-4</u>		···· - · · · · · · · · · · · · · · ·		
1 1		Ĩ					Scolo - 1:22 7
							Scale - 1.25.7
		<u>.</u>					4.0
1 <sup>4x6</sup> =	$4x4 \equiv$	3x4 =	$3x8 \equiv 4$	3x4 =		$4x4 \equiv$	4x6 =
						, Fil	ं
			N3 W4				W1 S
ΫΗ V						$\sim$	
16 15	14	13	12 11		10	9	
3x4    4x6	= 4x4	= 3x4 =	3x4    3x4 =		4x4 =	4x6	6 = 3x4
	7 / 10				14 6 9		
	7-4-12 7-4-12				7-1-12		
	age,0-1-8], [16:Eage,0-1-8]						
LOADING (psf)	SPACING- 2-0-0 Plate Grip DOI 1.00	CSI. TC 0.51	DEFL. in Vert(LL) -0.13	(loc) l/def	fl L/d 9 480	PLATES MT20	GRIP 244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.92	Vert(CT) -0.27	12 >644	4 360		
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH	Horz(CT) 0.05	8 N/a	a n/a	Weight: 78 lb	FT = 20%F, 11%E
LUMBER-			BRACING-		I		
TOP CHORD 2x4 SP No	0.1(flat)		TOP CHORD	Structural wo	ood sheathing dir	ectly applied or 6-	-0-0 oc purlins, except
WEBS 2x4 SP No	p.3(flat)		BOT CHORD	Rigid ceiling	s. directly applied o	or 10-0-0 oc bracir	ng.
REACTIONS. (lb/size)	16=1032/0-4-8 (min. 0-1-8)	, 8=1040/0-4-8 (min. 0-1-8)					
	mn /Max Tan All foreas 2	, 50 (lb) or loss overst when sh					
TOP CHORD 1-16=-10	25/0, 7-8=-1033/0, 1-2=-12	12/0, 2-3=-3015/0, 3-4=-4133/0	), 4-5=-4195/0, 5-6=-30	044/0, 6-7=-12	224/0		
BOT CHORD 14-15=0/ WEBS 1-15=0/1	2290, 13-14=0/3709, 12-13 520, 2-15=-1403/0, 2-14=0/	=0/4410, 11-12=0/4410, 10-11 944, 3-14=-904/0, 3-13=0/551	=0/3745, 9-10=0/2312 . 4-13=-427/0. 7-9=0/15	535. 6-9=-141	7/0. 6-10=0/953.		
5-10=-9	12/0, 5-11=0/586, 4-11=-406	6/0		,	,,		
<b>NOTES-</b> (4-5)							
1) Load case(s) 1, 2 has/l truss	have been modified. Buildin	g designer must review loads t	to verify that they are co	orrect for the i	intended use of tl	nis	
2) Recommend 2x6 stron	gbacks, on edge, spaced at	10-0-0 oc and fastened to ea	ch truss with 3-10d (0.	131" X 3") nail	ls. Strongbacks	to	
3) CAUTION, Do not erec	t truss backwards.	ed by other means.					
<ol> <li>Graphical web bracing the member must be b</li> </ol>	representation does not de raced.	pict the size, type or the orienta	ation of the brace on th	e web. Symbo	ol only indicates t	hat	
5) Bearing symbols are of	nly graphical representation	s of a possible bearing condition	on. Bearing symbols ar	e not conside	red in the structu	ral	
design of the truss to s	upport the loads indicated.						
1) Dead + Floor Live (bala	anced): Lumber Increase=1	.00. Plate Increase=1.00					
Uniform Loads (plf)	, 1 7- 100	,					
Concentrated Loads (II	b)						uillen.
Vert: 4=-500 2) Dead: Lumber Increase	e=1.00. Plate Increase=1.00	)				INNORTH CA	ROLIA
Uniform Loads (plf)	4 7- 400					IN POPESO	PNA P III
Concentrated Loads (II	, 1-7100 b)					1 SEA	
Vert: 4=-500						2814	7
					11		~ / 1
						A SNOINE	E. A.S. INN
						Manak K. N	NORMAN
						2/4/2	025

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Bit By         List         List <thlist< th="">         List         List         <t< td=""><td>25-0889-F01</td><td>F118</td><td>FLOOR</td><td>2</td><td>1</td><td>Ioh Reference (ontional)</td><td><b>`</b></td><td># 56553</td><td></td></t<></thlist<>	25-0889-F01	F118	FLOOR	2	1	Ioh Reference (ontional)	<b>`</b>	# 56553	
$\frac{130}{100}$ $\frac{144}{100}$ $\frac{134}{100}$				Run: 8.630 s Jul 1	2 2024 Prin	t: 8.630 s Jul 12 2024 MiTek	/ Industries, Inc. Wed F DEHIEW/CEPSz6EE	eb 5 09:12:18 2025	Page 1
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	. 1-3-0	. 1-0-4		1-3-4	ylaQyabiC	geoikriazx/rz-wovgakit	JEI IIE WOEF SZOEF	001973016001300	IIZOF C/
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$ \begin{array}{c} 149 \\ \hline 140 \\ \hline 149 \\ \hline 149 \\ \hline 149 \\ \hline 140 \\ $								Scale:	1/2"=1'
$ \begin{array}{c} \begin{array}{c} 3.0.52 \\ \hline \\ 3.0.10 \\ \hline \\ 3.0.1$									
$\begin{array}{c} 10^{-10} \begin{array}{c} 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-1} \\ 10^{-$									
M3         D01         D01         D03									
Image: Second	₁ 4x8 =	5x8 = 3x4	3x4 = 1.5x3	1.5x3	3x8 =	4x4 o	. =	$4x6 \equiv$	
Brace         H4-6           200-12         10         30         10         30         10         30         10         30         10         30         10         30         10         30         10         30         10         30         10         30         10         30         10         30         10         30         10         30         10         30         10         30         10         30         10         30         10         30         10         30         10         30         10         30         10         30         10         30         10         30         10         30         10         30         10         30         10         30         10         30         10         30         10         30         10         30         10         30         10         30         10         30         10         30         10         30         10         30         10         30         10         30         10         30         10         30         10         30         10         30         10         30         10         30         10         30         10	] <mark>1</mark>		4 5	0		°	<u></u>	9	ſ
310-12       14       13       12       11         346 II       0.6 =       7.10 =       3.6 II       4.6 II       5.6 II       6.6 =       3.6 II         Tele Offsets (XY)- (1:Edge,0:1-8) (130-3-0:Edge)         UNITED TO COMP DATE TO COMPARE TO COMPAR	o with wa				$\sim$			- Wi	Ģ
Image: Provide the state of the st									1-2
16       15       14       13       12       11         3x6       11       6x6       7x10       3x6       11       5x6       11       5x6       11       6x6       3x6       11         1       3x6       11       6x6       7x10       3x6       11       5x6       11       6x6       3x6       11       6x7       5x6       11       11       5x6       11       11       5x6       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       <				B1					-1-8
Los         Los <thlos< th=""> <thlos< th=""> <thlos< th=""></thlos<></thlos<></thlos<>	12 16	15	14	13		12	11	× ×	0
Silo-12         14-6.8           210-22         102-712           DeDNIS (pt)         115:00-30. Edge!           LOADING (pt)         115:00-30. Edge!           DEFL         in (loc)           Vert(L)         0.09           DEL         0.00           DEC         0.00 <td>3x6 ∐ 6x8</td> <td>3 = 7x10</td> <td>= 3x6   </td> <td>4x6   </td> <td></td> <td>5x6   </td> <td>6x6 =</td> <td>3x6   </td> <td></td>	3x6 ∐ 6x8	3 = 7x10	= 3x6	4x6		5x6	6x6 =	3x6	
3:10:12         14-58           Plate Offsets (X/Y)- 11 Edge.01-6], [13:0-3-0.Edge]         10:7.12           LOADING (psi)         SPACINC- 11.7.3         17.3           CLL         40.0         Plate (offsets (X/Y)- 11. Edge.01-6], [13:0-3-0.Edge]         PLATES           CLL         40.0         Plate (offsets (X/Y)- 10.0         PLATES         ORIP PLATES									
Bits         14-0-8 (02-12)           Plate Offsets (XY)- (1:Edgs,0-1:6], [13:0-3-0, Edge]         10-7.12           CADOING (psi)         SPACING- 1-7.3         CSI. Core ICO 0.79         Vert(L) -0.09 14 -5950 480         MT20 244/190           TCDL 1:0.0 ECUL 5:0.0         Lumber DOL 1:0.0 Lumber DOL 1:0.0 BCLL 5:0         TC 0.79 Core IRC201 / 1P2014         Vert(C) -0.03 1:0         Na na         MT20 244/190           NEEDL 5:0         Cose IRC201 / 1P2014         Matrix-SH         BEACING- TOP CHORD 24:45 PN 0:1(flat) BOT CHORD 12:45 PN 0:2(flat) BOT CHORD 12:55 PN 0:2(flat) BOT CHORD 12:51									
3:10:12         14:68           3:10:12         10:7:12           Plate Offsels (X,Y)- (1):Edge,0-1.91, [13:0-3:0-Edge)         10:7:12           LOADING (set)         3 PACING:         1:7:3         CS1         0         11:4:5:86         400           LOADING (set)         7:3         CS1         0         11:4:5:86         400         MIZE         CRM           LOADING (set)         7:0:0         10:0         10:0:0         10:0:0         11:4:5:86         400           BCLL         0:0         Rep Stress incr         NO         WB 0:44         Horz(CT)         0:3:1:0         n/a         n/a           DOP CHORD 2:44 SP No.1(II:a)         0:0         TOP CHORD 2:4:5:0:0:0:0:0:0:0:0:0:0:0:0:0:0:0:0:0:0									
3:0-12         14:6-8           Plate Offsets (X,Y) = [1:Edge.0:1-8], [13:0-3-0.Edge]         10:7.12           LOADING (pst)         SPACING-         17:7.3         CSI.         DEFL.         in (no:) (defl. 1/d)         Plate S GRIP           TCUL         400         Plate Sipes lor         NO         WB 0.94         Vert(L) - 0.09         14: >560         360           TCUL         0.0         Rep Stress lor         NO         WB 0.94         Horz(CT)         0.31 14:15         >560         360           BCDL         0.0         Rep Stress lor         NO         WB 0.94         Horz(CT)         0.31 14:15         >560         360           BCDL         5.0         Code IRC2021/TPI2014         Matrix-SH         BRACING.         Weight: 98 lb         FT = 20% F.           UMBER.         DOP CHORD         244 SP No.1(flat)         DOP CHORD         Stress lor         NOR         Stress lor         Nor									
Image: Start Start         Image: Start Start         Image: Start Start Start         Image: Start									
Plate Offsets (XY)- 1:1:Edge.0-1-8; [130-3-0.Edge]           LOADING (ps)         SPACING:         1-7-3         CSI.         DEFL         in (loc) lidefi         Lid         PLATES         GRIP           LOADING (ps)         Plate Gnp DOL         1.00         Fig. 0.73         CSI.         DEFL         in (loc) lidefi         Lid         PLATES         GRIP           LUMER:         Code IRC2021/TPI2014         Matrix-SH         Ver(LL)         -0.01         14         >988         480         Weight: 98 lb         FT = 20%F.           LUMER:         Code IRC2021/TPI2014         Matrix-SH         BRACING-         TOP CHORD         Stuctural wood sheathing directly applied or 4-10-14 oc purlins.           BOT CHORD 244 SP No.1(flat)         BOT CHORD 244 SP No.3(flat)         BOT CHORD         Stuctural wood sheathing directly applied or 10-0-0 oc bracing.           REACTON:         (Ibisize)         17-7-612/0, 9-10-a91(0, 1-2-a052/0, 2-3-a-5578/0, 3-4=-5568/0, 4-5=-4841/0, 5-6=-4841/0, 5-7=-4841/0, 7-3=04023, 1-12-a052/0, 2-3=-5578/0, 3-4=-5568/0, 4-5=-4841/0, 5-6=-4841/0, 6-7=-4841/0, 7-3=-40420, 7-13=0/1084, 4-15=-02539, 2-2=-2533/0, 2-3=-5578/0, 3-4=-5568/0, 4-5=-4841/0, 5-6=-4841/0, 6-7=-4841/0, 7-3=-40420, 7-13=0/1084, 4-15=-02539, 2-2=-2533/0, 2-3==-5578/0, 3-4=-5568/0, 4-5=-4841/0, 5-6=-4841/0, 6-7=-4841/0, 7-3=-40420, 7-13=0/1084, 4-15=-02539, 2-2=-2533/0, 2-3==-5578/0, 3-4=-5568/0, 4-5=-4841/0, 6-7=-4841/0, 7-3=-40420, 7-13=0/1084, 4-15=-0253, 2-2=-2533/0, 2-3==-578/0, 3-4==-5568/0, 3-4==-5568/0, 4-4=-8841/0		3-10-12 3-10-12		1	14-6-8 0-7-12				
LOADING (psr) TCLL         SPACING- 1-7-3 TCLL         1-7-3 00         C3L TC         0.9FL Ver(L)         in (por) 1-0.09         Link         PLATES MI2D         GRIP Ver(L)           10.00         Rep Stress har Code IRC2021/TPI2D14         BC         0.94         Ver(L)         0.09         14 > 994         M12D         244/190           BCDL         0.0         Rep Stress har Code IRC2021/TPI2D14         Matrix-SH         Ver(L)         0.01         n/a         n/a           LUMBER- TOP CHORD 2x4 SP No.1(flat)         TOP CHORD DC HORD 2x4 SP No.1(flat)         TOP CHORD Structural wood sheathing directly applied or 4-10-14 oc putills except end verticals.         TOP CHORD Structural wood sheathing directly applied or 10-0-0 oc bracing.           REACTIONS.         (Ib/size)         17=1630/0-4-8 (min. 0-1-8), 10=987/0-4-8 (min. 0-1-8)         TOP CHORD Not the structural wood sheathing directly applied or 10-0-0 oc bracing.           FORCESS.         (Ib/size)         17=1630/0-4-8 (min. 0-1-8), 10=987/0-4-8 (min. 0-1-8)         EOR         Structural wood sheathing directly applied or 10-0-0 oc bracing.           FORCESS.         (Ib/size)         17=1630/0-4-8 (min. 0-1-8), 10=987/0-4-8 (min. 0-1-8)         EOR         Structural wood sheathing directly applied or 10-0-0 oc bracing.           FORCESS.         (Ib/size)         17=1630/0-4-8 (min. 0-1-8), 10=987/0-4-8 (min. 0-1-8)         EOR         Structural wood sheathing directly appl	Plate Offsets (X,Y) [1:	Edge,0-1-8], [13:0-3-0,Edge	]						
TCLL         40.0         Plate Grip DOL         1.00         TC         0.79         Vert(L1)         -0.09         14 > 599         480         MT20         244/190           BCLL         0.0         Rep Stress Incr         NO         WB         0.94         Horz(CT)         0.03 10         n/a         n/a         Weight: 98 ib         FT = 20%F,           LUMBER         TOP CHORD 2/4 SP No.1(flat)         TOP CHORD 2/4 SP No.3(flat)         BRACING-         Structural wood sheathing directly applied or 4-10-14 oc purins except end verticals.           BOT CHORD 2/4 SP No.3(flat)         BOT ChORD 2/4 SP No.3(flat)         BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.           REACTIONS.         (Ib/size)         17=163/00-4-8 (min. 0-1-8). 10=987/0-4-8 (min. 0-1-8).         FORCES. (Ib)         FT = 20/467, 41-50-4841/0, 6-7=-4841/0, 6-7=-4841/0, 6-7=-4841/0, 7-3=-3124/0, 86-39-1280/0           FORCES.         Max: comp./Max. Ten All forces 250 (Ib) or less except when shown.         TOP CHORD         15-16-324/0, 1-16=-2533/0, 2-3=-5578/0, 3-4=-5588/0, 4-5=-4841/0, 6-7=-4841/0, 7-3=-3124/0, 86-3=-1280/0         7-13=0/1194, 4-15=0/450, 4-14=-858/0           NOTES         (-5.6)         15-16-3/40, 1-16=-2533/0, 2-15=0/1965, 9-11=0/1547, 8-11=-1383/0, 8-12=0/985, 7-12=-1142/0, 7-13=0/1194, 4-15=0/450, 4-14=-858/0         10         10-0 act sets indicated indic	LOADING (psf)	SPACING- 1-7-3	CSI.	DEFL. in	(loc)	l/defl L/d	PLATES	GRIP	
BCLL       0.0       Rep Stress Incr       NO       We built SH       Hor2(ST)       0.03       10       n/a       Weight SH is       FT = 20%F.         LUMBER       TOP CHORD 2x4 SP No.1(flat)       BRACING- TOP CHORD 2x4 SP No.3(flat)       BRACING- TOP CHORD 2x4 SP No.3(flat)       TOP CHORD Rigid celling directly applied or 4-10-14 oc purlins except end verticals.         BOT CHORD 2x4 SP No.3(flat)       BRACING- TOP CHORD 171=56(20, 510-981(0), 1-22-0020, 2-3=55780, 3-4=-55890, 4-5=-4841(0, 6-7=-4841(0, 1-17=-16/20, 510-981(0), 1-22-02020, 2-3=55780, 3-4=-55890, 4-5=-4841(0, 6-7=-4841(0, 1-13=-1380, 2), 1-23-0420, 2-31, 2-3, 3-4, 5-6 has/have been considered for this design.       NOTES       NOTES       Strongbacks to be attached to uniter ons or restrained by other means.       Volume 1/2 -20-381, 2-3, 4-5, 6-8, 3-3, 3-2, 5-0/1965, 5-11=0/1547, 8-11=-1383/0, 8-12=0/985, 7-12=-1142/0, 7-13=0/1144, 4-15=0/460, 4-14=-650, 8-9=-16       NOTES       Strongentretal colores (clorestra	TCLL 40.0 TCDI 10.0	Plate Grip DOL 1.00	TC 0.79 BC 0.94	Vert(LL) -0.09 Vert(CT) -0.31	14 14-15	>999 480 >560 360	MT20	244/190	
BCDL       5.0       Code IRC2021/11/2014       Matrix-SH       Weight: 58 ib       F I = 20% F.         LUMBER TOP CHORD 2x4 SP No.1(flat)       BRACING- TOP CHORD 2x4 SP No.1(flat)       BRACING- TOP CHORD except end verticals.       Weight: 58 ib       F I = 20% F.         WEBS       2x4 SP No.1(flat)       BOT CHORD Structural wood sheathing directly applied or 10-0-0 oc bracing.         REACTIONS.       (Ib/size)       17=1630/0-4-8 (min. 0-1-8), 10=987/0-4-8 (min. 0-1-8)       BOT CHORD FORCES.       (Ib/size)       17=1630/0-4-8 (min. 0-1-8), 10=987/0-4-8 (min. 0-1-8)         FORCES.       (Ib) - Max. Comp./Max. Ten - All forces 250 (Ib) or less except when shown.       BOT CHORD       7.47=712/0.9.4112-0.0.23=5578/0, 3-4=5558/0, 4-5=-4841/0, 5-6=-4841/0, 5-7=-4841/0, 5-7=-4841/0, 5-7=-4841/0, 5-7=-4841/0, 5-7=-4841/0, 5-7=-4841/0, 7.13=0/01965, 7-12=-1142/0, 7-13=0/01965, 7-12=-1142/0, 7-13=0/01965, 7-12=-1142/0, 7-13=0/01965, 7-12=-1142/0, 7-13=0/01194, 4-15=0/450, 4-14==858/0       NOTES:       (Ib) - It - 5-0/450, 4-14==858/0         NOTES:       (C-6)       1) Unbalanced floor live loads have been considered for this design.       2) Load case(C) to not erect trues backwards.       3       3       10       10-14=0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.	BCLL 0.0	Rep Stress Incr NO	WB 0.94	Horz(CT) 0.03	10	n/a n/a			
LUMBER: TOP CHORD 244 SP No.1(flat) TOP CHORD 244 SP No.1(flat) BOT CHORD Rigid celling directly applied or 10-0-0 oc bracing. REACTIONS: (lb/size) 17=16300-4.8 (min. 0-1-8), 10=987/0-4.8 (min. 0-1-8) FORCES. (lb) - Max. Comp.Max. Ten All forces 250 (lb) or less except when shown. TOP CHORD 1-17=-1612/0.9-10=-981/0, 1.22=-2052/0, 2-3=-5578/0, 3-4=-5568/0, 4-5=-4841/0, 5-5=-4841/0, 5-5=-4841/0, 5-7=-4841/0, 5-7=-4841/0, 5-7=-4841/0, 5-7=-4841/0, 5-7=-4841/0, 5-7=-4841/0, 7-13=-0/1194, 4-15=0/450, 1-14=0/4581, 2-16=-2053/0, 2-15=-0/1965, 9-11=0/1547, 8-11=-1383/0, 8-12=-0/985, 7-12=-1142/0, 7-13=0/1194, 4-15=0/450, 2-16=-2053/0, 2-15=-0/1965, 9-11=0/1547, 8-11=-1383/0, 8-12=-0/985, 7-12=-1142/0, 7-13=0/1194, 4-15=0/450, 4-14=-858/0 NOTES (-5-6) 1) Uholanced for Ive loads have been considered for this design. 2) Load case(s) 1, 2, 3, 4, 5, 6 has/have been considered for this design. 2) Load case(s) 1, 2, 3, 4, 5, 6 has/have been considered for this design. 2) Load case(s) 1, 2, 3, 4, 5, 6 has/have been considered for this design. 2) Load case(s) 1, 2, 3, 4, 5, 6 has/have been considered for the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced. 3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 c and fastened to each truss with 3-10d (0.131* X 3*) nails. Strongbacks to be attiched to usale at the router ends or restrained by other means. 4) CAUTION, Do not erect truss backwards. 5) Graphical w=b-braceding representation odes not depic 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 arpresentations of a possible bearing condition. Bearing symbols are not considered in the structural case (fif) Vert: 10-17-8, 1-9=-80. Concentrated Loads (fif) Vert: 3-1380 2) Beat Limber Increase=1.00, Plate Increase=1.00. Vinform Loa	BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH				Weight: 98 lb	FT = 20%F, 1	1%E
IOP CHORD       2X 3F No.1(lint)       Structure for the constant of the formation of the for	LUMBER-	a 1/flat)		BRACING-	Ctructur	al wood abaathing dirag	athy applied or 4.1		
WEBS     2x4 SP No.3(flat)     BOT CHORD     Rigid celling directly applied or 10-0-0 oc bracing.       REACTIONS.     (Ib/size)     17=1630/0-4-8 (min. 0-1-8), 10=987/0-4-8 (min. 0-1-8)       PORCES.     (Ib) - Max. Comp. Max. Ten All forces 250 (Ib) or less except when shown.       TOP CHORD     1-17=-6120, 0-109307(10, 1-2=-20520/0, 2-3=-5578/0), 3-4=-5658/0, 4-5=-4841/0, 5-6=-4841/0, 6-7=-4841/0, 7-8=-3124/0, 8-9=-1200/0       BOT CHORD     15-16=-04060, 14-15=-016357, 13-14=-04841, 12-13=0/4023, 11-12=/0/2348       WEBS     3-15=-1334/0, 1-16=02568, 2-16=-2533/0, 2-15=0/1965, 9-11=0/1547, 8-11=-1383/0, 8-12=0/985, 7-12=-1142/0, 7-13=0/1194, 4-15=0/2568, 2-16=-2533/0, 2-15=0/1965, 9-11=0/1547, 8-11=-1383/0, 8-12=0/985, 7-12=-1142/0, 7-13=0/1194, 4-15=0/2568, 2-16=-2533/0, 2-15=0/1965, 9-11=0/1547, 8-11=-1383/0, 8-12=0/985, 7-12=-1142/0, 7-13=0/1194, 4-15=0/2568, 2-16=-2533/0, 2-15=0/1965, 9-11=0/1547, 8-11=-1383/0, 8-12=0/985, 7-12=-1142/0, 7-13=0/1194, 4-15=0/2568, 2-16=-2533/0, 2-15=0/1965, 9-11=0/1547, 8-11=-1383/0, 8-12=0/985, 7-12=-1142/0, 7-13=0/1194, 4-15=0/2568, 2-16=-2533/0, 2-15=0/1965, 9-11=0/1547, 8-11=-1383/0, 8-12=0/985, 7-12=-1142/0, 7-13=0/1194, 4-15=0/2568, 2-16=-2533/0, 2-15=0/1965, 9-11=0/1547, 8-11=-1383/0, 8-12=0/985, 7-12=-1142/0, 7-13=0/1194, 4-15=0/2568, 2-16       NOTES     5(-6)       1     Unblaanced floor live loads have been considered for this design.       2     Load case(2)     1,0       3     Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 cand fastened be each truss with 3-10d (0.131* X 3*) nails. Strongbacks to be attached be abarding representation does not depict the size, type or the orientation of the brace on the web. Symbo	BOT CHORD 2x4 SP N	o.1(flat)		TOP CHORD	except e	end verticals.	Suy applied of 4-1	0-14 oc punins,	
REACTIONS. (Ib/size) 17=1630/0-4-8 (min. 0-1-8), 10=987/0-4-8 (min. 0-1-8) FORCES. (Ib) - Max. Comp./Max. Ten All forces 250 (Ib) or less except when shown. TOP CHORD 1-17=-1612(0), 9-10=-981/0, 1-2=-2052/0, 2-3=-5678/0, 3-4=-5688/0, 4-5=-4841/0, 5-6=-4841/0, 6-7=-4841/0, T-74=-3124/0, 8-9=-1260/0 BOT CHORD 15.16=0/4080, 14-15=0/5357, 13-14=0/4841, 12-13=0/4023, 11-12=0/2348 WEBS 3-15=-1334(0, 1-16=0/2568, 2-16=-25330, 2-15=0/1965, 9-11=0/1547, 8-11=-1383/0, 8-12=0/985, 7-12=-1142/0, T-13=0/1194, 4-15=0/450, 4-14=-858/0 NOTES (5-6) 1) Unblanced foor live loads have been considered for this design. 2) Load case(s) 1, 2, 3, 4, 5, 6 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss. 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 we 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 not considered in the structural design of the truss to support the loads indicated. LOAD CASE(6) Standard 1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (pi) Vert: 10-17=-8, 1-9=-80 Concentrated Loads (lb) Vert: 10-17=-8, 1-9=-80, Concentrated Loads (lb) Vert: 10-17=-8, 1-	WEBS 2x4 SP N	o.3(flat)		BOT CHORD	Rigid ce	iling directly applied or	10-0-0 oc bracing	<b>]</b> .	
FORCES. (b) - Max. Comp./Max. Ten All forces 250 (ib) or less except when shown. TOP CHORD 1-17=-1612/0, 9-10=-981/0, 1-2=-2052/0, 2-3=-5578/0, 3-4=-5568/0, 4-5=-4841/0, 5-6=-4841/0, 6-7=-4841/0, -74=-3124/0, 8-9=-1260/0 BOT CHORD 15-16=-0/4080, 14-15=0/5367, 13-14=0/4841, 12-13=0/4023, 11-12=0/2348 3-15=-13340, 1-16=0/2568, 2-16=-2563/0, 2-15=0/1965, 9-11=0/1547, 8-11=-1383/0, 8-12=0/985, 7-12=-1142/0, -7-13=0/1194, 4-15=0/450, 4-14=-856/0 NOTES (5-6) 1) Unbalanced floor live loads have been considered for this design. 2) Load case(s) 1, 2, 3, 4, 5, 6 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss. 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 braced. 3) Graphical web braced. LOAD CASE(S) Standard 1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 10-177=-8, 1-9=-80 Concentrated Loads (lb) Vert: 3-1360 2) Dead: Lumber Increase=1.00, Plate Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 10-177=-8, 1-9=-80 Concentrated Loads (lb) Vert: 3-1360 3) at chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 10-177=-8, 1-9=-80 Concentrated Loads (lb) Vert: 3-1360 3) Lot chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 3-1360 3) Lot chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 3-1360 3) Lot chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 3-1360 3) Lot chase Dead + Floor Li	REACTIONS. (lb/size)	17=1630/0-4-8 (min. 0-1-8	), 10=987/0-4-8 (min. 0-1-8)						
TOP CHORD 1 1-171612/0, 9-10081/0, 1-2=2052/0, 2-3=-5578/0, 3-4=-5568/0, 4-5=-4841/0, 5-6=-4841/0, 6-7=-4841/0, 7-8=-3124/0, 8-9=-1280/0 BOT CHORD 15-16=0/4080, 14-15=0/5357, 13-14=0/4841, 12-13=0/4023, 11-12=0/2348 WEBS 3-158-1334/0, 1-16=0/2568, 2-16=-2533/0, 2-15=0/1965, 9-11=0/1547, 8-11=-1383/0, 8-12=0/985, 7-12=-1142/0, 7-13=0/1194, 4-15=0/450, 4-14=-858/0 NOTES- (5-6) 1) Unbalanced floor live loads have been considered for this design. 2) Load case(s) 1, 2, 3, 4, 5, 6 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss. 3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131* X 3*) nails. Strongbacks to be attached to walls at their outer ends or restrained by other means. 4) CAUTION, Do not erect truss backwards. 5) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced. 6) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated. LOAD CASE(S) Standard 1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (pf) Vert: 10-17=-8, 1-9=-80 Concentrated Loads (b) Vert: 3=-1360 2) Dead: Lumber Increase=1.00, Plate Increase=1.00, Plate Increase=1.00 Uniform Loads (pf) Vert: 10-17=-8, 1-9=-80 Concentrated Loads (pf) Vert: 10-17=-8, 1-9=-80 Uniform Loads (pf) Vert: 10-17=-8, 1-9=-80 Concentrated Loads (pf) Vert: 10-17=-8, 1-9=-80 Concentrated Loads (pf) Vert: 10-17=-8, 1-9=-80, 6-9=-16	FORCES. (Ib) - Max. Co	omp./Max. Ten All forces 2	250 (lb) or less except when sho	own.					
<ul> <li>Bor CHORD 15-16=0/0800, 14-15=0/5357, 13-14=0/4841, 12-13=0/4023, 11-12=0/2348</li> <li>Stor CHORD 5-15=0/0800, 14-15=0/5357, 13-14=0/4841, 12-13=0/4023, 11-12=0/2348</li> <li>WEBS 3-15=-1334/0, 1-16=0/2558, 2-15=-2533/0, 2-15=-0/1965, 9-11=0/1547, 8-11=-1383/0, 8-12=0/985, 7-12=-1142/0, 7-13=0/1194, 4-15=0/450, 4-14=-858/0</li> <li>NOTES- (5-6)</li> <li>1) Unbalanced floor live loads have been considered for this design.</li> <li>2) Load case(s) 1, 2, 3, 4, 5, 6 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.</li> <li>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.</li> <li>4) CAUTION, Do not erect truss backwards.</li> <li>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.</li> <li>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.</li> <li>LOAD CASE(S) Standard</li> <li>1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00</li> <li>Uniform Loads (plf) Vert: 10-17=-8, 1-9=-80</li> <li>Concentrated Loads (plf) Vert: 10-17=-8, 1-9=-80</li> <li>Concentrated Loads (plf) Vert: 31360</li> <li>2) Dead: Lumber Increase=1.00, Plate Increase=1.00, Plate Increase=1.00</li> <li>Uniform Loads (plf) Vert: 31360</li> <li>3) Ist chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00</li> <li>Uniform Loads (plf) Vert: 10-17=-8, 1-9=-80</li> <li>Concentrated Loads (plf) Vert: 31360</li> <li>3) Ist chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00</li> <li>Uniform Loads (plf) Vert: 10-17=-8, 1-6==-80, 6-9=-16</li> </ul>	TOP CHORD 1-17=-1	612/0, 9-10=-981/0, 1-2=-20	52/0, 2-3=-5578/0, 3-4=-5568/0	, 4-5=-4841/0, 5-6=-48	841/0, 6-7	=-4841/0,			
<ul> <li>WEBS 3-15=-1334/0, 1-16=0/2558, 2-16=-2533/0, 2-15=0/1965, 9-11=0/1547, 8-11=-1383/0, 8-12=0/985, 7-12=-1142/0, 7-13=0/1194, 4-15=0/450, 4-14=-858/0</li> <li>NOTES- (5-6)</li> <li>1) Unbalanced floor live loads have been considered for this design.</li> <li>2) Load case(s) 1, 2, 3, 4, 5, 6 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.</li> <li>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.</li> <li>4) CAUTION, Do not erect truss backwards.</li> <li>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.</li> <li>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.</li> <li>LOAD CASE(S) Standard</li> <li>1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00, Uniform Loads (plf) Vert: 10-17=-8, 1-9=-80</li> <li>Concentrated Loads (lb) Vert: 3-1360</li> <li>2) Dead: Lumber Increase=1.00, Plate Increase=1.00, Plate Increase=1.00</li> <li>Uniform Loads (plf) Vert: 10-17=-8, 1-9=-80</li> <li>Concentrated Loads (lb) Vert: 3-1360</li> <li>3) Ist chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00</li> <li>Uniform Loads (plf) Vert: 10-17=-8, 1-9=-80</li> <li>Concentrated Loads (lb) Vert: 10-17=-8, 1-9=-80</li> <li>Concentrated Loads (plf) Vert: 10-17=-8, 1-9=-80, Concentrated Loads (plf) Vert: 10-17=-8, 1-9=-80, Concentrated Loads (plf) Vert: 10-17=-8, 1</li></ul>	BOT CHORD 15-16=0	24/0, 8-91260/0 )/4080, 14-15=0/5357, 13-14	4=0/4841, 12-13=0/4023, 11-12	=0/2348					
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<ul> <li>1) Induction to the control of the control</li></ul>	NOTES- (5-6)	loads have been considered	t for this design						
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Vert: 3=-1360 3) 1st chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 10-17=-8, 1-6=-80, 6-9=-16	Concentrated Loads (	[b)				UUM	28147		
Uniform Loads (plf) Vert: 10-17=-8, 1-6=-80, 6-9=-16	Vert: 3=-1360	or Live (unbalanced): Lumb	ar Increase=1.00. Plate Increase	a=1.00		Inn	The As		
Vert: 10-17=-8, 1-6=-80, 6-9=-16	Uniform Loads (plf)			- 1.00		3	AP	AS INT	
and the first state of the stat	Vert: 10-17=-8	8, 1-6=-80, 6-9=-16					MININ K. M	OHIMAN	
Continued on page 2 2 2 /4 /2025	Continued on page 2						2/1/20	)25	
$\frac{2}{4}$	Wannin-1 V 'e 1	n novomotore erde 1 4 1	ofore use This desire 1 1 1	1	nd is fi	individual toottat	Z/4/20	ILJ	-

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

Job	Truss	Truss Type	Qty	Ply	LOT 0.0016 CAMPBELL RIDGE   253 ALDEN WAY	ANGIER, NC
25-0889-F01	F118	FLOOR	2	1	Job Reference (optional)	# 56553
			Run: 8.630 s. Jul 12	2024 Print	* 8.630 s. Jul 12 2024 MiTek Industries Inc. Wed Fe	h 5.09.12.18.2025 Page 2

1: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Wed Feb 5 09:12:18 2025 Page 2 ID:HnBel3ytaQyablQe8fkFi9zx7Fz-wSVgJkToEHfEWCEPSz6EFoDIgVj3tTe0brJBtnzoFCx

LOAD CASE(S) Standard Concentrated Loads (lb) Vert: 3=-1360 4) 2nd chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 10-17=-8, 1-5=-16, 5-9=-80 Concentrated Loads (lb) Vert: 3=-1360 5) 3rd chase Dead: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 10-17=-8, 1-6=-80, 6-9=-16 Concentrated Loads (lb) Vert: 3=-1360 6) 4th chase Dead: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 10-17=-8, 1-5=-16, 5-9=-80

Concentrated Loads (lb) Vert: 3=-1360



	Truce						
25 0880 E01	E110	Floor			.00 10 CAIVIPBELL RID	GE   293 ALDEN WAY	H ECEED
23-0669-F01	FII9	FIOOI	Bup: 9.620 o	Job R	eference (optional)	aduatrica Ina Wad Er	# 30333
			ID:HnBel3yta	aQyablQe8fkFi9z	x7Fz-Oe32W3UQ?	an57Mpb0hdTn?la	mv7vc?l9qV2kPDzoFCw
1-3-0		$\vdash$	1-2-4		1-1-4	-1	
							Scale = 1:23.3
₁ 3x6 =	2	1.5x3	1.5x3	6	7 0	,	4x6 =
	2					»	y I
9W1						$\sim$	W1 P
					Wit I		-
			B1				
12 16	15	14	13		12	11	×
4x4	=				3x8 =	4x6	=
		10-6-12				14-6-8	
Plate Offsets (X,Y) [13	:0-1-8,Edge], [14:0-1-8,Edg	e], [17:Edge,0-1-8]				3-11-12	
LOADING (psf)	SPACING- 1-7-3	CSI.	DEFL. in	(loc) l/defl	L/d	PLATES C	SRIP
TCLL 40.0 TCDI 10.0	Plate Grip DOL 1.00	TC 0.38 BC 0.64	Vert(LL) -0.10 Vert(CT) -0.19	13 >999 12-13 >924	480 360	MT20 2	244/190
BCLL 0.0	Rep Stress Incr NO	WB 0.56	Horz(CT) 0.03	10 n/a	n/a		
BCDL 5.0	Code IRC2021/1PI2014	Matrix-SH				Weight: 77 lb	FI = 20%F, 11%E
LUMBER-	o 1(flat)		BRACING-	Structural woo	d sheathing direc	tly applied or 6-0-	0 oc purlins except
BOT CHORD 2x4 SP N	o.1(flat)			end verticals.			
WEBS 2x4 SP N	o.3(flat)		BOT CHORD	Rigid ceiling d	irectly applied or 1	10-0-0 oc bracing.	
REACTIONS. (lb/size)	17=693/0-4-8 (min. 0-1-8),	10=804/0-4-8 (min. 0-1-8)					
FORCES. (Ib) - Max. Co	omp./Max. Ten All forces 2	250 (lb) or less except when she	own.				
TOP CHORD 1-17=-6 7-8=-23	89/0, 9-10=-797/0, 1-2=-799 42/0, 8-9=-937/0	/0, 2-3=-1914/0, 3-4=-2577/0, 2	1-5=-257770, 5-6=-2577	//0, 6-7=-2341/0	),		
BOT CHORD 15-16=0 WEBS 9-11=0/	)/1502, 14-15=0/2314, 13-14 1175_8-11=-1090/0_8-12=0	=0/2577, 12-13=0/2563, 11-12	=0/1774 ) 1-16=0/1002 2-16=-9	915/0 2-15=0/5	36		
3-15=-5	21/0, 3-14=0/514	1144, 112-20010, 012-21010	, 110-0/1002, 210-0	510/0, 2-10-0/0			
NOTES- (5-6)							
1) Unbalanced floor live 2) All plates are 3x4 MT	loads have been considered 20 unless otherwise indicate	l for this design. d					
3) Load case(s) 1, 2, 3, 4	4, 5, 6 has/have been modifi	ed. Building designer must revi	ew loads to verify that	they are correct	for the intended		
4) Recommend 2x6 stro	ngbacks, on edge, spaced a	t 10-0-0 oc and fastened to ea	ch truss with 3-10d (0.	131" X 3") nails.	Strongbacks to		
be attached to walls a 5) Graphical web bracing	t their outer ends or restrain	ed by other means.	ation of the brace on th	e web Symbol	only indicates that	t	
the member must be l	praced.					•	
design of the truss to	support the loads indicated.	is of a possible bearing condition	on. Bearing symbols an	e not considere	a in the structural		

# LOAD CASE(S) Standard

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 10-17=-8, 1-9=-80 Concentrated Loads (lb) Vert: 7=-240 2) Dead: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 10-17=-8, 1-9=-80 Concentrated Loads (lb) Vert: 7=-240 3) 1st chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf)



Continued on page 2



Job	Truss	Truss Type	Qty	Ply	LOT 0.0016 CAMPBELL RIDGE   253 ALDEN	WAY ANGIER, NC
25-0889-F01	F119	Floor	3	1	Job Reference (optional)	# 56553
		Bup: 9 (	20 0 101 11	2024 Drint	+ 9 620 a Jul 12 2024 MiTak Industrian Inc. Wa	d Eab E 00:12:10 2025 Dage 2

In: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Wed Feb 5 09:12:19 2025 Page 2 ID:HnBel3ytaQyablQe8fkFi9zx7Fz-Oe32W3UQ?an57Mpb0hdTn?lamv7vc?l9qV2kPDzoFCw

LOAD CASE(S) Standard Concentrated Loads (lb) Vert: 7=-240 4) 2nd chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 10-17=-8, 1-4=-16, 4-9=-80 Concentrated Loads (lb) Vert: 7=-240 5) 3rd chase Dead: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 10-17=-8, 1-5=-80, 5-9=-16 Concentrated Loads (lb) Vert: 7=-240 6) 4th chase Dead: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 10-17=-8, 1-4=-16, 4-9=-80

Concentrated Loads (lb) Vert: 7=-240





LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	<b>CSI.</b> TC 0.07 BC 0.02 WB 0.03 Matrix-R	DEFL. ir Vert(LL) n/a Vert(CT) n/a Horz(CT) 0.00	n (loc) l/defi L/d a - n/a 999 a - n/a 999 b 8 n/a n/a	PLATES         GRIP           MT20         244/190           Weight: 33 lb         FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SI BOT CHORD 2x4 SI WEBS 2x4 SI	P No.1(flat) P No.1(flat) P No.3(flat)		BRACING- TOP CHORD BOT CHORD	Structural wood sheathing end verticals. Rigid ceiling directly applie	directly applied or 6-0-0 oc purlins, except

2x4 SP No.3(flat) OTHERS

REACTIONS. All bearings 6-11-14.

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

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

NOTES-(7-8)

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





/-0-0									
I			7-6-6						
Plate Offsets (X,Y)	[2:0-1-8,Edge], [3:0-1-8,Edge], [4:0-1-	-8,Edge], [10:Edge,0-1-8]							
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES	CSI. TC 0.35 BC 0.29 WB 0.22	<b>DEFL.</b> in Vert(LL) -0.03 Vert(CT) -0.03 Horz(CT) 0.00	(loc) l/defl L/d 8 >999 480 8 >999 360 5 n/a n/a	PLATES GRIP MT20 244/190	440/ 5			
BCDL 5.0	Code IRC2021/1 PI2014	Matrix-SH			Weight: 39 lb $FI = 20\%F$ ,	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 o end verticals. Rigid ceiling directly applied	directly applied or 6-0-0 oc purlins, e d or 10-0-0 oc bracing.	xcept			

REACTIONS. (lb/size) 10=400/0-4-8 (min. 0-1-8), 5=394/0-7-14 (min. 0-1-8)

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

TOP CHORD 1-10=-394/0, 5-11=-388/0, 4-11=-388/0, 1-2=-371/0, 2-3=-705/0, 3-4=-372/0

BOT CHORD 8-9=0/705, 7-8=0/705, 6-7=0/705

WEBS 1-9=0/465, 2-9=-426/0, 4-6=0/446, 3-6=-424/0

NOTES- (4-5)

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) 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





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 6-7-14.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 12, 7, 11, 10, 9, 8

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





	12-10-6 12-10-6									
Plate Offsets (X,Y)	[3:0-1-8,Edge], [4:0-1-8,Edge], [7:0-1	-8,Edge], [15:Edge,0-1-8]								
LOADING         (psf)           TCLL         40.0           TCDL         10.0           BCLL         0.0           BCDL         5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	<b>CSI.</b> TC 0.31 BC 0.55 WB 0.46 Matrix-SH	<b>DEFL.</b> ir Vert(LL) -0.10 Vert(CT) -0.12 Horz(CT) 0.02	n (loc) l/defl L/d 0 10-11 >999 480 2 10-11 >999 360 2 8 n/a n/a	PLATES MT20 Weight: 66 lb	<b>GRIP</b> 244/190 FT = 20%F, 11%E				
LUMBER- TOP CHORD 2x4 S BOT CHORD 2x4 S WEBS 2x4 S	P No.1(flat) P No.1(flat) P No.3(flat)		BRACING- TOP CHORD BOT CHORD	Structural wood sheathing end verticals. Rigid ceiling directly applier	directly applied or 6- d or 10-0-0 oc bracin	0-0 oc purlins, except				

REACTIONS. (lb/size) 15=694/0-4-8 (min. 0-1-8), 8=688/0-7-14 (min. 0-1-8)

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

TOP CHORD 1-15=-688/0, 8-16=-683/0, 7-16=-682/0, 1-2=-769/0, 2-3=-1760/0, 3-4=-2067/0, 4-5=-1798/0, 5-6=-1798/0, 6-7=-767/0

BOT CHORD 13-14=0/1443, 12-13=0/2067, 11-12=0/2067, 10-11=0/2067, 9-10=0/1432

WEBS 1-14=0/965, 2-14=-877/0, 2-13=0/434, 3-13=-505/0, 7-9=0/927, 6-9=-865/0, 6-10=0/468, 4-10=-542/0

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



ob Trus	S	Truss Type		Qty	Ply	LOT 0.0016 CAMPBELL RIDGE	E   253 ALDEN WAY	ANGIER, I	NC	
5-0889-F01 F126	5	Floor Supported Gable		2	1	Job Reference (optional)		# 56	553	
			Run: 8.6	30 s Jul 12 D:HnBel3	2024 Print ytaQyablQ	8.630 s Jul 12 2024 MiTek Indu e8fkFi9zx7Fz-srdQkPU2mu	ustries, Inc. Wed Feb uwyIWOoaO8iKDIp	5 09:12:2 VJd5LaE	0 2025 Pag J39olxfzol	je 1 FCv
									0 <sub>¯</sub> 1 <sub>¯</sub> 8	
								S	Scale = 1:2	20.3
3x4			2:4							
1 2	3	4	5 <sup>3x4</sup> 6		7	8	9	10 <sup>-</sup>	1	
	0	•			•	•	•	•	•	[
					П				23	30
	SIN	SIN	an we an		SIN	SIN	sin	SIN	BL	4-2-
			B1							
	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			$\sim \sim \sim \sim$	XXXX			$\times$		l

17

3x4 =

BOT CHORD

16

15

Rigid ceiling directly applied or 6-0-0 oc bracing.

14

13 12

3x4 ||

						12-5-14							
						12-5-14						1	
Plate Offsets	(X,Y) [1:Edge	e,0-1-8], [5:0-1-8,	Edge], [17:0-	-1-8,Edge], [2	22:Edge,0-1	-8]							
<b>.OADING</b> (ps TCLL 40. TCDL 10. BCLL 0.	if) 5 0 F 0 L 0 F	<b>SPACING-</b> Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.00 1.00 YES	CSI. TC BC WB	0.06 0.01 0.03	DEFL. Vert(LL) Vert(CT) Horz(CT)	in n/a n/a -0.00	(loc) - - 12	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20	<b>GRIP</b> 244/190	
BCDL 5.	.0 0	Code IRC2021/TI	PI2014	Matri	x-SH						Weight: 57 lb	FT = 20%F, 11	%E
UMBER-	2x4 SP No.1(f	ilat)				BRACING TOP CHO	RD	Structu	ral woo	d sheathing	directly applied or 10	-0-0 oc purlins, ex	cept

18

-

22

3x4 ||

21

20

19

B 2x4 SP No.3(flat) WFBS 2x4 SP No.3(flat) OTHERS

REACTIONS. All bearings 12-5-14

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

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

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

NOTES-(8-9)

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

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

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

- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12.
- 6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

7) CAUTION, Do not erect truss backwards.

- 8) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
- 9) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

#### LOAD CASE(S) Standard

