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

AST #: 58838 JOB: 25-3559-F02 JOB NAME: LOT 0.0002 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. 26 Truss Design(s)

Trusses:

F201, F202, F203, F204, F205, F206, F207, F208, F210, F211, F212, F213, F214, F215, F216, F217, F218, F219, F220, F222, F223, F227, F228, F229, F230, F231



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	LOT 0.0002 CAMPBELL RIDGE 102 ALDEN WAY ANGIER, NC
25-3559-F02	F201	Floor Supported Gable	1	1	Job Reference (optional) # 58838

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MTeK Industries, Inc. Thu Apr 24 22:21:48 2025 Page 1 ID:oDuWOOMhLxMOj2fwcp2aKqzMG6w-dJtSP?tqIFtMhof8KVIAk4aEl0SKBk7q5WGt8wzNNx1

Scale = 1:20.6



			13-1-14			
1			13-1-14			1
Plate Offsets (X,Y)	[6:0-1-8,Edge], [18:0-1-8,Edge]					
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 0.06 BC 0.01 WB 0.03	DEFL. ir Vert(LL) n/a Vert(CT) n/a Horz(CT) 0.00	n (loc) l/defl L/d n - n/a 999 n - n/a 999 n 18 n/a n/a	PLATES MT20	GRIP 244/190
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH			Weight: 56 lb	FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 S BOT CHORD 2x4 S	P No.1(flat) P No.1(flat)		BRACING- TOP CHORD	Structural wood sheathing on verticals.	directly applied or 10-(0-0 oc purlins, except
WEBS 2x4 S OTHERS 2x4 S	P No.3(flat) P No.3(flat)		BOT CHORD	Rigid ceiling directly applied	d or 10-0-0 oc bracing	

REACTIONS. All bearings 13-1-14.

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

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

NOTES- (6)

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.

LOAD CASE(S) Standard





TOP CHORD

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

TOP CHORD

BOT CHORD

WEBS

WEBS

NOTES-

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.

15-16=0/298, 14-15=0/1592, 13-14=0/2215, 12-13=0/2215, 11-12=0/2215, 10-11=0/1592, 9-10=0/298

4-14=-521/0, 3-14=0/436, 3-15=-825/0, 2-15=0/860, 2-16=-848/0, 5-11=-521/0, 6-11=0/436, 6-10=-825/0, 7-10=0/860,

LOAD CASE(S) Standard

(4)

TOP CHORD 2x4 SP No.1(flat)

BOT CHORD 2x4 SP No.1(flat)

2x4 SP No.3(flat)

7-9=-848/0

REACTIONS. (lb/size) 16=717/0-3-8 (min. 0-1-8), 9=717/0-3-6 (min. 0-1-8)

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

2-3=-959/0, 3-4=-1908/0, 4-5=-2215/0, 5-6=-1908/0, 6-7=-959/0



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

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

end verticals.



	<u>5-3-7</u> 5-3-7	6-3-7	7-3-7 1-0-0	<u>13-10-6</u> 6-6-15					
Plate Offsets (X,Y)	Plate Offsets (X,Y) [1:Edge,0-1-8], [3:0-1-8,Edge], [4:0-1-8,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	CSI. TC 0.43 BC 0.83 WB 0.49 Matrix-SH	DEFL. ir Vert(LL) -0.1(Vert(CT) -0.2 Horz(CT) 0.03	n (loc) l/defl L/d 6 10-11 >999 480 1 10-11 >795 360 3 8 n/a n/a	PLATES GRIP MT20 244/190 Weight: 69 lb FT = 20%F, 11%E				
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF WEBS 2x4 SF	⁹ No.1(flat) ⁹ No.1(flat) ⁹ No.3(flat)		BRACING- TOP CHORD BOT CHORD	Structural wood sheathing d end verticals. Rigid ceiling directly applied	irectly applied or 6-0-0 oc purlins, except or 10-0-0 oc bracing.				

REACTIONS. (lb/size) 15=752/Mechanical, 8=752/0-3-6 (min. 0-1-8)

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

TOP CHORD 1-15=-749/0, 1-2=-797/0, 2-3=-1949/0, 3-4=-2416/0, 4-5=-2276/0, 5-6=-1510/0

BOT CHORD 13-14=0/1537, 12-13=0/2416, 11-12=0/2416, 10-11=0/2416, 9-10=0/2065, 8-9=0/926

WEBS 3-13=-688/0, 2-13=0/539, 2-14=-964/0, 1-14=0/1025, 4-10=-395/49, 5-10=0/355, 5-9=-723/0, 6-9=0/760, 6-8=-1157/0

NOTES- (5)

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

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

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

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

LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	LOT 0.0002 CAMPBELL	RIDGE 102 ALDEN W	AY ANGIER, NC	
25-3559-F02	F204	Floor	3	1	lob Reference (optio	nal)	# 58838	
		1	Run: 8.430 s Feb 1	12 2021 Prir	nt: 8.630 s Jul 12 2024 Mi aKgzMG6w-5\/Orel uS	Tek Industries, Inc. Thu	Apr 24 22:21:49 2025 Page 1	
	2-0-0	0-11-0 0-7-11		<u>2-0-0</u>			1-3-15	
							Seels = 1:25 0	
							Scale = 1:35.8	
		$4x4 \equiv$						
		3x6 = 3x8 FP=	_				1.5x3	
1 1 किन	2 T1 3		7 8		9 T2	10 		
27 WT W2		W4 W5					W6 W1 0-7	
	B1	¥ # > ¥ _			B2 3			
26 25	24 23	22 21 20 1	9 18 17		16 15	14	13	
1.5x3	1.5x3 1.5x3	3x6 = 3x8	3 FP= 1.5x3	П	1.5x3			
		4x4 =						
	4-8-4	6-11-12						
2-6-12	<u></u>	6-10-4 12-1 1-1-0 0-1-8 5-10	10-7 11 D-11	<u>3-10-7 14-</u> 1-0-0 1-0	10-7 0-0	21-5-6 6-6-15		
Plate Offsets (X,Y) [2:	0-1-8,Edge], [3:0-1-8,Edge],	[8:0-1-8,Edge], [9:0-1-8,Edge]	1					
LOADING (psf)	SPACING- 2-0-0		DEFL. in	(loc)	l/defl L/d	PLATES	GRIP	
TCLL 40.0 TCDL 10.0	Lumber DOL 1.00	BC 0.44	Vert(LL) -0.16 Vert(CT) -0.21	15-16 ÷	>999 480 >826 360	M120	244/190	
BCLL 0.0 BCDL 5.0	Rep Stress Incr YES	WB 0.48	Horz(CT) 0.03	13	n/a n/a	Weight: 106 l	b FT = 20%F 11%F	
TOP CHORD 2x4 SP N	o.1(flat)		TOP CHORD	Structura	al wood sheathing d	irectly applied or 6-	0-0 oc purlins, except	
BOT CHORD 2x4 SP N WEBS 2x4 SP N	o.1(flat) o.3(flat)		end verticals.					
	20-275/0 2 0 (min 0 1 0)	42-740/0.2.C (min. 0.4.0) 24		0)		o. o o o o o o o o o o o o o o o o o o		
Max Grav	26=275/0-3-8 (min. 0-1-8) v26=347(LC 3), 13=753(LC	7), 21=1329(LC 8)	1=1329/0-3-8 (min. 0-1-	8)				
FORCES. (Ib) - Max C	omn /Max Ten - All forces :	250 (lb) or less except when sh	IOWN					
TOP CHORD 1-26=-3	48/0, 1-2=-260/27, 2-3=-506	5/170, 3-4=-103/494, 4-5=0/822	2, 5-6=-820/0,					
BOT CHORD 24-25=-	0/0, 7-8=-1951/0, 8-9=-2423 170/506, 23-24=-170/506, 2	2-23=-170/506, 21-22=-822/0,	2/0 19-20=0/1532,					
18-19=0 WEBS 4-21=-4)/1532, 17-18=0/2423, 16-1 68/0_2-25=-314/183_1-25=	7=0/2423, 15-16=0/2423, 14-15 -36/355_3-22=-737/0_4-22=0/5	5=0/2068, 13-14=0/927 512 8-18=-693/0					
7-18=0/	585, 7-20=-961/0, 5-20=0/9	99, 5-21=-1066/0, 9-15=-346/5	2, 10-15=0/323,					
10-14=-	724/0, 11-14=0/761, 11-13=	-1159/0						
NOTES- (5)	loads have been considered	t for this design						
2) All plates are 3x4 MT	20 unless otherwise indicate	ed.						
 Recommend 2x6 stro be attached to walls a 	ngbacks, on edge, spaced a it their outer ends or restrair	at 10-0-0 oc and fastened to ea led by other means.	ach truss with 3-10d (0.1	131" X 3")) nails. Strongbacks	to		
4) CAUTION, Do not ere	ect truss backwards.							
LOAD CASE(S) Standar	rd							
							1111.	
						WHINNETH CA	ROIM	
						IN OFESS	PN 911	
						III and	P	







REACTIONS. All bearings 4-0-0.

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

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

NOTES- (5-6)

1) Gable requires continuous bottom chord bearing.

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

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

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

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

5) 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 0.0002 CAMPBELL RIDGE 102 ALDEN WAY ANGIER, NC
25-3559-F02	F207	Floor	1	1	Job Reference (optional) # 58838

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Scale: 3/8"=1'



ı	9-8-4			10-8-4 11-8-4	19-0-4		
I		9-8-4		1-0-0 1-0-0	1	7-4-0	
Plate Of	fsets (X,Y)	[7:0-1-8,Edge], [8:0-1-8,Edge], [12:0-1	-8,Edge]				
LOADING TCLL TCDL BCLL	G (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 0.20 BC 0.04 WB 0.05	DEFL. in Vert(LL) n/a Vert(CT) n/a Horz(CT) 0.00	(loc) l/defl L/d - n/a 999 - n/a 999 13 n/a n/a	PLATES GRIP MT20 244/190	
BCDL	5.0	Code IRC2021/TPI2014	Matrix-SH			Weight: 96 lb FT = 20%	F, 11%E
LUMBER- TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(flat) WEBS 2x4 SP No.3(flat)			BRACING- TOP CHORD BOT CHORD	Structural wood sheathing o end verticals. Rigid ceiling directly applied	lirectly applied or 6-0-0 oc purlins, I or 10-0-0 oc bracing.	except	

REACTIONS. All bearings 19-0-4.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 24, 13, 19, 18, 20, 23, 17, 14 except 21=312(LC 1), 22=278(LC 1), 15=323(LC 1)

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

NOTES- (4-5)

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

2) Gable requires continuous bottom chord bearing.

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 LC	OT 0.0002 CAMPBELL	RIDGE 102 ALDEN W	AY ANGIER, NC
25-3559-F02	F208	FLOOR	5	1	h Dafamara (anti-	-1)	# 58838
			Run: 8.430 s Feb	J0 12 2021 Print: 8 MOi2fwop2c	3.630 s Jul 12 2024 MiT	ial) ek Industries, Inc. Thu v/at7/w5pXSw/ca)	Apr 24 22:21:50 2025 Page 1
1-3-0 0-7-0	0-10-4		2-0-0	xiviOjziwcpza			0-8-8
			1				Casta = 1:21 1
							Scale = 1:31.1
4x	8 = 3x8 FP=	1.5x3				1 5x3 4x4 —	4x4 —
$1^{5x8} = 2$	3 4	5 6	7 8		9	10 11	12
			मिं दि	R	E.		
							W5 WI
│ <mark>┣╡──────à∕╶╎╶┠</mark> ╡		Ser Bi têt	<u> </u>	1		B2 B2	
25 24 23	3 22	21 20	19 1	3 17	16	15	14 13
5x8 =		3x8 =	1.5x3 1.5	x3	3x8 MT20HS FP=	3x8 =	1.5x3
							4x4 =
2-2-8		9-8-4	10-8-4 11-8-4		19	-0-4	
Plate Offsets (X,Y) [1:	Edge,0-1-8], [7:0-1-8,Edge],	[8:0-1-8,Edge], [12:0-1-8,Edge],	[25:Edge,0-1-8]		1-	4-0	· · · · · · · · · · · · · · · · · · ·
LOADING (psf)	SPACING- 1-4-0) CSI.	DEFL. in	(loc) l/d	efl L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.87	Vert(LL) -0.37	19-20 >6	09 480 43 360	MT20 MT20HS	244/190 187/143
BCLL 0.0	Rep Stress Incr NC	WB 0.62	Horz(CT) 0.07	13 r	n/a n/a		
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH				Weight: 99 lb	FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SP N	o.1(flat)		BRACING- TOP CHORD	Structural	wood sheathing di	rectly applied or 5-	5-7 oc purlins. except
BOT CHORD 2x4 SP S	S(flat) [*] Except*			end vertica Rigid ceilir	als.	r = 10, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0	
WEBS 2x4 SP N	o.3(flat) *Except*		BOT CHORD	Ngiù Celli	ig directly applied		ıy.
VV2: 2x4 S	SP No.2(flat)						
REACTIONS. (lb/size)	25=1402/Mechanical, 13=7	779/0-3-8 (min. 0-1-8)					
FORCES. (lb) - Max. Co	omp./Max. Ten All forces 2	250 (lb) or less except when show	vn. 1 5- 3715/0				
5-6=-37	15/0, 6-7=-3932/0, 7-8=-375	53/0, 8-9=-3153/0, 9-10=-2107/0,	10-11=-2107/0,				
BOT CHORD 23-24=0	531/0)/2665, 22-23=0/2665, 21-22	2=0/3443, 20-21=0/3956, 19-20=	0/3753, 18-19=0/375	3,			
17-18=0 WEBS 7-19=-2)/3753, 16-17=0/2699, 15-10 94/46_8-18=-25/315_1-24=	6=0/2699, 14-15=0/1384 0/2208_2-24=-1601/0_7-20=-234	/450 6-21=-309/0				
4-21=0/3	346, 4-22=-550/0, 2-22=0/5	20, 8-17=-886/0, 9-17=0/626, 9-1	5=-756/0,				
11-15-0	//922, 11-141111/0, 12-14	-0/093					
NOTES- (7-8) 1) Unbalanced floor live	loads have been considered	d for this design.					
2) All plates are MT20 pl 3) All plates are 3x4 MT2	ates unless otherwise indicate	ated.					
4) Refer to girder(s) for the	russ to truss connections.						
be attached to walls a	ngbacks, on edge, spaced a t their outer ends or restrain	at 10-0-0 oc and fastened to each red by other means.	n truss with 3-10d (0.	131" X 3") na	alls. Strongbacks	to	
 6) CAUTION, Do not ere 7) Graphical web bracing 	ct truss backwards. a representation does not de	epict the size, type or the orientat	ion of the brace on th	e web. Svm	bol only indicates t	that	
the member must be i	braced.	no of a nassible bearing condition		- not concid	lorod in the structu	MINIMUM CA	Ballitte
design of the truss to	support the loads indicated.	is of a possible bearing condition	i. Dearing symbols ar	e not consid		IN RTH CAL	N
LOAD CASE(S) Standar	ď					in all	No
1) Dead + Floor Live (ba	lanced): Lumber Increase=*	1.00, Plate Increase=1.00				SEA	
Vert: 13-25=-7	7, 1-12=-67				100	2814	7] [
Vert: 2=-800	u)					A SNow	B. M
						ARK V	ORALININ
						nathan the state	10111100
						4/24/	2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0002 CAMPBELL RIDGE 102 ALDEN WAY	ANGIER, NC
25-3559-F02	F210	Floor Supported Gable	1	1	Job Reference (optional)	# 58838

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 22:21:51 2025 Page 1 ID:oDuWOOMhLxMOj2fwcp2aKqzMG6w-1uYb10vibAFxYFOj?druMjCIYET105tGoUUXkFzNNx_

Scale = 1:34.6



				22-0-12					
1	22-0-12								
Plate Offsets	s (X,Y) [10:0-1-8,Edge], [31:0-1-8,Edge]							
LOADING (p TCLL 40 TCDL 10 BCLL 0	osf) 0.0 0.0 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	DEFL. in Vert(LL) n/a Vert(CT) n/a Horz(CT) -0.00	(loc) l/defi L/d - n/a 999 - n/a 999 25 n/a n/a	PLATES MT20	GRIP 244/190		
BCDL :	5.0	Code IRC2021/1PI2014	Matrix-SH			vveight: 92 ib	FT = 20%F, 11%E		
LUMBER- TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(flat)			BRACING- TOP CHORD	Structural wood sheathing on verticals.	directly applied or 10-	0-0 oc purlins, except			
WEBS	2x4 SP	No.3(flat)		BOT CHORD	Rigid ceiling directly applied	d or 10-0-0 oc bracing	l.		

OTHERS 2x4 SP No.3(flat)

REACTIONS. All bearings 22-0-12.

(Ib) - Max Grav All reactions 250 lb or less at joint(s) 38, 20, 37, 36, 35, 34, 33, 32, 31, 30, 29, 28, 26, 25, 24, 23, 22, 21

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





FORCES. (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) or less except when shown. WEBS 2-4=-271/0

NOTES- (3)

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

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

LOAD CASE(S) Standard





- 3) Fill all nail holes where hanger is in contact with lumber.
- 4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- 1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
- Uniform Loads (plf) Vert: 5-8=-10, 1-4=-100 Concentrated Loads (lb)
 - Vert: 2=-186(F)





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

TOP CHORD 1-6=-831/0 BOT CHORD 4-5=0/353 WEBS 2-4=-627/0

NOTES- (6)

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

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

3) Use Simpson Strong-Tie THA422 (6-16d Girder, 6-10d Truss) or equivalent at 0-6-4 from the left end to connect truss(es) F216 (1 ply

2x4 SP) to back face of top chord, skewed 0.0 deg.to the left, sloping 0.0 deg. down.

4) Fill all nail holes where hanger is in contact with lumber.

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

LOAD CASE(S) Standard

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

Uniform Loads (plf) Vert: 4-6=-10, 1-3=-100 Concentrated Loads (lb) Vert: 7=-769(B)



Job	Truss	Truss Type	Qty	Ply	LOT 0.0002 CAMPBELL RIDGE 102 ALDEN WAY ANGIER, NC
25-3559-F02	F214	Floor Supported Gable	1	1	Job Reference (optional) # 58838

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MITeK Industries, Inc. Thu Apr 24 22:21:51 2025 Page 1 ID:oDuWOOMhLxMOj2fwcp2aKqzMG6w-1uYb10vibAFxYFOj?druMjCIYET105tGoUUXkFzNNx_

Scale = 1:24.8



				1000		
I				15-9-6		I
Plate Offs	sets (X,Y)	[7:0-1-8,Edge], [21:0-1-8,Edge]				
LOADING TCLL TCDL BCLL	i (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	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 b 19 n/a n/a	PLATES GRIP MT20 244/190
BCDL	5.0	Code IRC2021/TPI2014	Matrix-SH	1012(01) 0.00		Weight: 67 lb FT = 20%F, 11%E
LUMBER- TOP CHC BOT CHC)RD 2x4 SP)RD 2x4 SP	? No.1(flat) ? No.1(flat)		BRACING- TOP CHORD	Structural wood sheathing on end verticals.	directly applied or 10-0-0 oc purlins, except
WEBS	2x4 SP	No.3(flat)		BOT CHORD	Rigid ceiling directly applied	d or 10-0-0 oc bracing.

15-0-6

OTHERS 2x4 SP No.3(flat)

REACTIONS. All bearings 15-9-6.

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

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

NOTES-(6-7)

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 0.0002 CAMPBEL	RIDGE 102 ALDEN W	AY ANGIER, NC
25-3559-F02	F215	Floor	2	1	lah Bafaranaa (antis	nal)	# 58838
			Run: 8.430 s Feb 1	2 2021 Prir	1300 Reference (optic t: 8.630 s Jul 12 2024 M	inal) Tek Industries, Inc. Thu /	Apr 24 22:21:52 2025 Page 1
1-2-14	1-3-0	2-0-0		јгімсрга	rqziviGow-v4ozriviwi		0.8-0 .
- 12.14							
							Scale = 1:26.3
4x4 —					1 5x3 II		4x4 = 1.5x3
1	2	3 4		5	6 7		8 9
					•	8	Tel I
2 W1 W2							
			B1 D7				
		ŭ				L_Å	
18	17 16	15 14	4 13		12	11	
1.5x3	4x6 =	1.5x3 1.5	ix3		3x8 =	4x4 =	
	<u>5-2-14</u> 5-2-14	<u> </u>			<u>15-9-6</u> 8-6-8		
Plate Offsets (X,Y)	[1:Edge,0-1-8], [3:0-1-8,Edge	e], [4:0-1-8,Edge]	1				
LOADING (psf)	SPACING- 2-0	-0 CSI .	DEFL. in	(loc)	l/defl L/d	PLATES	GRIP
TCLL 40.0 TCDI 10.0	Plate Grip DOL 1.0	00 TC 0.63 00 BC 0.80	Vert(LL) -0.26 Vert(CT) -0.35	13-14 × 13-14 ×	>736 480 >539 360	MT20	244/190
BCLL 0.0	Rep Stress Incr YE	S WB 0.57	Horz(CT) 0.04	10	n/a n/a		
BCDL 5.0	Code IRC2021/TPI20	14 Matrix-SH				Weight: 78 lb	FT = 20%F, 11%E
LUMBER-	D No 1/flot)		BRACING-	Ctructure	al wood aboathing a	irectly applied or 6 (0 oo purling oveent
BOT CHORD 2x4 S	P SS(flat)		TOP CHORD	end vert	icals.	irectly applied of 6-0	5-0 oc punins, except
WEBS 2x4 S	P No.3(flat)		BOT CHORD	Rigid ce	iling directly applied	or 10-0-0 oc bracin	g.
REACTIONS. (Ib/siz	ze) 18=861/0-3-6 (min. 0-1-8	3), 10=861/0-3-8 (min. 0-1-8)					
FORCES. (Ib) - Max	Comp /Max Ten - All forces	s 250 (lb) or less except when sh	lown				
TOP CHORD 1-18	=-860/0, 1-2=-939/0, 2-3=-23	51/0, 3-4=-3060/0, 4-5=-3159/0,	5-6=-2644/0,				
6-7= BOT CHORD 16-1	-2644/0, 7-8=-1396/0 7=0/1796, 15-16=0/3060, 14-	15=0/3060, 13-14=0/3060, 12-1	3=0/3087, 11-12=0/2147				
10-1	1=0/612		0 4 47 0/4000	,			
WEBS 3-15 4-13	=0/333, 4-14=-301/28, 3-16=- =-260/330, 5-13=-25/273, 5-1	972/0, 2-16=0/722, 2-17=-1115/ 2=-566/0, 7-12=0/635, 7-11=-97	0, 1-17=0/1203, 7/0, 8-11=0/1020,				
8-10	=-1068/0						
NOTES- (4-5)							
1) Unbalanced floor	ive loads have been consider	ed for this design. ted					
3) Recommend 2x6	strongbacks, on edge, spaced	at 10-0-0 oc and fastened to ea	ach truss with 3-10d (0.1	31" X 3")	nails. Strongbacks	s to	
be attached to wa	Is at their outer ends or restra	ined 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

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JOD	Truss	Truss Type	Qty	Ply	LOT 0.0002 CAMPBEL	L RIDGE 102 ALDEN WAY ANGIER, NC
25-3559-F02	F216	Floor	1	1	Job Reference (option	mal) # 58838
	1	1	Run: 8.430 s Feb 1 ID:oDuWOOMhLxMOi:	2021 Prin 2fwcp2aKo	it: 8.630 s Jul 12 2024 M gzMG6w-V46zFMwK	MUN09PzwZLN7vwloBdeY7OwP08E4GhzNI
1-2-14	1-3-0	2-0-0	·		1	0 <u>-3-</u> 0
1 1	I	1				5 - 1 - 1 - 2
						Scale = 1:2
4x4 =					1.5x3	5x5 =
1	2	3 4	τ1	5	6	7 8 9
					<u> </u>	
2 W1 W2				/	$\searrow \parallel \nearrow$	
) a faither a fa	1 1		• B1			
182⊠ 17 1.5x3 U 4vi	16 s —	15 14 1 5v3 II 1 5	4 13 5v3 II		12 3×8 —	11 10 4×4 — 5×6 —
1.585 44) —	1.000 1.0			5x0 —	424
	<u> </u>	<u> </u>			<u>15-5-14</u> 8-3-0	
Plate Offsets (X,Y) [1	:Edge,0-1-8], [3:0-1-8,Edge],	[4:0-1-8,Edge], [10:Edge,0-1-8]				
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in	(loc) I	/defl L/d	PLATES GRIP
TCDL 10.0	Lumber DOL 1.00	BC 0.76	Vert(LL) -0.23 Vert(CT) -0.32	13-14 >	>786 480 >578 360	MT20 244/190
BCLL 0.0 BCDI 5.0	Rep Stress Incr YES	WB 0.56 Matrix-SH	Horz(CT) 0.04	10	n/a n/a	Weight: 79 lb ET = 20%F 11%
TOP CHORD 2x4 SP 1	lo.1(flat)		TOP CHORD	Structura	al wood sheathing o	lirectly applied or 6-0-0 oc purlins, excep
BOT CHORD 2x4 SP S	SS(flat)			end verti	icals.	l or 10.0.0 oc brasing
WEBS 2X4 3F1			BOT CHORD	Ngiu cei	and anectry applied	Tor To-o-o oc bracing.
REACTIONS. (lb/size)	18=842/0-3-6 (min. 0-1-8)	10=842/Mechanical				
FORCES. (Ib) - Max. C	omp./Max. Ten All forces 2	250 (lb) or less except when show	wn.			
6-7=-2	139/0, 7-8=-1142/0	//0, 3-42940/0, 4-55000/0, 5-0	02439/0,			
BOT CHORD 16-17= 10-11=	0/1751, 15-16=0/2946, 14-15 0/339	5=0/2946, 13-14=0/2946, 12-13=0	0/2901, 11-12=0/1914	ŀ,		
WEBS 3-15=-	7/312, 4-14=-280/38, 3-16=-9	21/0, 2-16=0/688, 2-17=-1088/0,	, 1-17=0/1172,			
4-13=-: 8-10=-	284/278, 5-13=0/288, 5-12=- 1000/0	591/0, 7-12=0/670, 7-11=-1005/0	0, 8-11=0/1045,			
NOTES- (5.6)						
1) Unbalanced floor live	loads have been considered	for this design.				
 All plates are 3x4 MT Refer to girder(s) for 	20 unless otherwise indicate truss to truss connections	d.				
4) Recommend 2x6 stro	ongbacks, on edge, spaced a	t 10-0-0 oc and fastened to each	h truss with 3-10d (0.1	(31" X 3")	nails. Strongback	s to

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

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





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	0.0002 CAMPBELL RID	DGE 102 ALDEN W	AY ANGIER, NC
25-3559-F02	F218	Floor	1	1			# 58838
			Run: 8.430 s Feb 1	Job F 2 2021 Print: 8.63	Reference (optional) 0 s Jul 12 2024 MiTek	Industries, Inc. Thu	Apr 24 22:21:52 2025 Page 1
			ID:oDuWOOMhLxMOj	2fwcp2aKqzMC	G6w-V46zFMwKMU	No9PzwŹLN7vwlri	mdgz7RYP08E4GhzNNwz
1-2-14 1-	<u>3-0</u> ⊢	2-0-0		0-7-12			1-0-12
							Scale = 1:32.4
			3v8 ED-	1×1 - 3×6 -	_		1 5v3 II
1	2 3	4	5 6	7 8	- 9		10 11
1 et		T1		रे जिन	T2	1	
2 W1 W2					\searrow		
		B1 3				- B2	
			<u> </u>	X			Ň.
Ź3 ^N 22	21 20	19 18	17	16	15	14 13	⁶ 12
1.5x3	1.5x3	3 1.5x3	4x4 =	3x6 =	Зх	8 FP=	
1	5-2-14	6-2-14 7-2-14	13-1-10	1		19-5-6	1
Plate Offects (X V) [3:	5-2-14	1-0-0 1-0-0	5-10-12			6-3-12	
	0-1-0,Eugej, [4.0-1-0,Eugej						
LOADING (psf)	SPACING- 2-0-0	CSI .	DEFL. in	(loc) l/defl	L/d	PLATES	GRIP
TCDL 10.0	Lumber DOL 1.00	BC 0.60	Vert(CT) -0.12	20-21 >999	360	IVI I 20	244/190
BCLL 0.0	Rep Stress Incr YES	WB 0.45	Horz(CT) 0.02	16 n/a	n/a		
BCDL 5.0	Code IRC2021/1PI2014	Matrix-SH				Weight: 97 lb	FT = 20%F, 11%E
LUMBER-			BRACING-	o			
BOT CHORD 2x4 SP N	o.1(flat) o.1(flat)		TOP CHORD	end verticals.	od sheathing direc	tly applied or 6-0	0-0 oc purlins, except
WEBS 2x4 SP N	o.3(flat)		BOT CHORD	Rigid ceiling c	lirectly applied or	6-0-0 oc bracing.	
REACTIONS (lb/size)	23=617/0-3-6 (min 0-1-8)	12=129/0-3-8 (min 0-1-8) 16=	1380/0-3-8 (min 0-1-8	3)			
Max Upli	ft12=-107(LC 3)			,			
Max Grav	/23=623(LC 3), 12=272(LC 4	4), 16=1380(LC 1)					
FORCES. (Ib) - Max. Co	omp./Max. Ten All forces 2	50 (lb) or less except when show	wn.				
TOP CHORD 1-23=-6	16/0, 1-2=-646/0, 2-3=-1479/ 208/324	/0, 3-4=-1654/0, 4-5=-1223/0, 7-	8=0/1317, 8-9=0/844,				
BOT CHORD 21-22=0)/1248, 20-21=0/1654, 19-20	=0/1654, 18-19=0/1654, 17-18=	0/829, 16-17=-815/0,				
15-16=-	1317/0, 14-15=-552/306, 13-	14=-552/306, 12-13=-130/257	19- 569/0				
5-18=0/	524, 5-17=-917/0, 7-17=0/95	4, 7-16=-997/0, 8-15=0/717, 9-1	5=-658/0,				
9-13=-1	0/297, 10-13=-252/54, 10-12	=-351/177					
NOTES- (6-7)							
1) Unbalanced floor live	loads have been considered	for this design.					
 All plates are 3x4 Mill Provide mechanical c 	20 unless otherwise indicated onnection (by others) of truss	a. Is to bearing plate capable of with	nstanding 107 lb uplift	at ioint 12.			
4) Recommend 2x6 stro	ngbacks, on edge, spaced at	10-0-0 oc and fastened to eac	h truss with 3-10d (0.1	31" X 3") nails	. Strongbacks to		
be attached to walls a	t their outer ends or restraine	ed by other means.					
6) Graphical web bracing	g representation does not de	pict the size, type or the orientat	ion of the brace on the	web. Symbol	only indicates that	ıt	
the member must be	braced.	s of a nossible bearing condition	Bearing symbols are	not considere	ad in the structural	I	
design of the truss to	support the loads indicated.	s of a possible bearing condition	I. Dearing symbols are			MUMMIN	liller
	· ·					WHEN ATH CA	ROITIN
LUAD CASE(S) Standar	u				111	OFESSI	ON STIL
					in m	for 1	Rich
					with a	SEAL	
					tun)	28147	
					IIIII	*** A.	
					11	NOINE	Sale unit
						THINK K. M	OBrann
						***********	nn.

4/24/2025

Job	Truss	Truss Type	Qty PI	y LOT 0.0002 CAMPBE	LL RIDGE 102 ALDEN W	AY ANGIER, NC
25-3559-F02	F219	Floor	1	1		# 58838
			Run: 8.430 s Feb 12 2	Job Reference (opt 021 Print: 8.630 s Jul 12 2024	tional) MiTek Industries, Inc. Thu /	Apr 24 22:21:53 2025 Page 1
1 2 14	120	200	ID:oDuWOOMhLxMC	Dj2fwcp2aKqzMG6w-zGgL	Sixy7oVfnZY672uMR8I0	W10CsuoZFozeo7zNNwy
-2-14		2-0-0		0-7-12		12
						Scale = 1:32.4
1	2 3	A	3x8 FP= 4	4x4 = 3x6 =	0	1.5x3
। ि		_T1		/ 8 Т 9 Т Г 9 Т	-2 ⁹	
0 W1 W2						W5 W1 97
		B1 3			B2	
×						\boxtimes
23 22	21 20	19 18	17	16 15	14 13	12
1.5x3	(C.1	.3 1.5x3	4x4 —	3x0 —	3X8 FP-	
	<u>5-2-14</u> 5-2-14	6-2-14 7-2-14 1-0-0 1-0-0	<u>13-1-10</u> 5-10-12		<u>19-5-6</u> 6.3-12	
Plate Offsets (X,Y)	[3:0-1-8,Edge], [4:0-1-8,Edge]		01012		0012	
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 0.42 BC 0.60 WB 0.45 Matrix-SH	DEFL. in (I Vert(LL) -0.09 20 Vert(CT) -0.12 20 Horz(CT) 0.02	loc) l/defl L/d 21 >999 480 -21 >999 360 16 n/a n/a	PLATES MT20 Weight: 97 lb	GRIP 244/190 FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF WEBS 2x4 SF REACTIONS. (Ib/size Max U Max C	P No.1(flat) P No.1(flat) P No.3(flat) e) 23=617/0-3-6 (min. 0-1-8) plift12=-107(LC 3) puirt12=-107(LC 3)	, 12=129/0-3-8 (min. 0-1-8), 16=13	BRACING- TOP CHORD Sti er BOT CHORD Ri 380/0-3-8 (min. 0-1-8)	tructural wood sheathing d verticals. igid ceiling directly applic	directly applied or 6-0	0-0 oc purlins, except
	$\frac{1}{2} \frac{1}{2} \frac{1}$	4), 16=1380(LC 1)				
TOP CHORD 1-23=	-616/0, 1-2=-646/0, 2-3=-1479	9/0, 3-4=-1654/0, 4-5=-1223/0, 7-8	1. =0/1317, 8-9=0/844,			
9-10 BOT CHORD 21-22	=-298/324 2=0/1248_20-21=0/1654_19-20	0=0/1654 18-19=0/1654 17-18=0	/829 16-17=-815/0			
15-16	5=-1317/0, 14-15=-552/306, 13	-14=-552/306, 12-13=-130/257				
WEBS 8-16= 5-18= 0.13-	=-615/0, 3-21=-287/0, 2-21=0/3 =0/524, 5-17=-917/0, 7-17=0/9 - 10/207, 10, 13=, 252/54, 10, 1	302, 2-22=-783/0, 1-22=0/828, 4-18 54, 7-16=-997/0, 8-15=0/717, 9-15 2- 351/177	3=-568/0, =-658/0,			
NOTES- (6-7) 1) Unbalanced floor li 2) All plates are 3x4 M 3) Provide mechanica 4) Recommend 2x6 s be attached to wall 5) CAUTION, Do not (6) Graphical web brac the member must b 7) Bearing symbols ar design of the truss	ve loads have been considerer AT20 unless otherwise indicate I connection (by others) of trus trongbacks, on edge, spaced a s at their outer ends or restrain erect truss backwards. ching representation does not do be braced. re only graphical representation to support the loads indicated.	d for this design. ed. is to bearing plate capable of withs it 10-0-0 oc and fastened to each ted by other means. epict the size, type or the orientatic ns of a possible bearing condition.	standing 107 lb uplift at truss with 3-10d (0.131 n of the brace on the w Bearing symbols are n	joint 12. " X 3") nails. Strongbacl reb. Symbol only indicate ot considered in the strue	ks to es that ctural	1111111
LOAD CASE(S) Stan	dard				WHEN BITH CA	OLINIU
					SEAL 28147 SEAL 28147	AR CORRECTION

4/24/2025

Job	Truss	Truss Type	Qty	Ply LOT (0.0002 CAMPBELL	RIDGE 102 ALDEN WAY	ANGIER, NC
25-3559-F02	F220	Floor	3		Reference (ontio	nal)	# 58838
			Run: 8.430 s Feb ID:oDuWOOMh	12 2021 Print: 8.63 _xMOj2fwcp2aK	0 s Jul 12 2024 Mi gzMG6w-zGqLS	Tek Industries, Inc. Thu Ap ixy7oVfnZY672uMR8I0	r 24 22:21:53 2025 Page 1 c1?MsufZFozeo7zNNwy
1-2-14 1-3-	0 2	2-0-0	<u>0-7-12</u> <u>1-</u>	0-2		2-0-0	<u>⊢1-0-10</u>
							Scale = 1:37.5
				_			<u>-</u>
	2 3 11	4 5 6	FP = 4x4 = 3x6 = 7 8	् 9 र्ष्ट्री	T2	10 11	3x6 = 12
		B1 55		5		B2 B2	
27 26 1.5x3 4x4 =	25 24 1.5x3	23 22 1.5x3	21 20 4x4 = 3x6 =	19 3x	18 17 8 FP= 1	16 15 .5x3 1.5x3	14 13
	5-2-14	4, 7-2-14, 13-1-10		18-1-	.12	19-1-12,20-1-12,	22-9-14
Plate Offsets (X,Y) [3	5-2-14 1-0-0 :0-1-8,Edge], [4:0-1-8,Edge]	1-0-0 5-10-12 , [10:0-1-8,Edge], [11:0-1-8,Edge]		5-0-	-2	1-0-0 1-0-0	2-8-2
LOADING (psf) TCLL 40.0 TCDL 10.0	SPACING- 2-0-(Plate Grip DOL 1.00	0 CSI. 0 TC 0.41	DEFL. in Vert(LL) -0.10 Vert(CT) -0.13	(loc) l/defl 24-25 >999 24-25 >999	L/d 480 360	PLATES MT20	GRIP 244/190
BCLL 0.0 BCDL 5.0	Rep Stress Incr YES Code IRC2021/TPI2014	S WB 0.46 4 Matrix-SH	Horz(CT) 0.02	13 n/a	n/a	Weight: 114 lb	FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SP M BOT CHORD 2x4 SP M WEBS 2x4 SP M	lo.1(flat) lo.1(flat) lo.3(flat)		BRACING- TOP CHORD BOT CHORD	Structural woo end verticals. Rigid ceiling o	od sheathing d directly applied	rectly applied or 6-0-0 or 6-0-0 oc bracing.) oc purlins, except
REACTIONS. (Ib/size) Max Gra	27=611/0-3-6 (min. 0-1-8) v27=647(LC 3), 13=437(LC), 13=379/Mechanical, 20=1500/0- ⊱4), 20=1500(LC 1)	3-8 (min. 0-1-8)	0 0	5 11	C C	
FORCES. (lb) - Max. C TOP CHORD 1-27=-6 5-6=-38	omp./Max. Ten All forces 340/0, 12-13=-426/0, 1-2=-6 87/371 6-7=-387/371 7-8=0	250 (lb) or less except when show 76/0, 2-3=-1568/0, 3-4=-1796/0, 4- 1/1410 8-9=0/828 9-10=-599/250	n. 5=-1418/0, 10-11=-809/32				
11-12=- BOT CHORD 25-26=- 19-20=	-373/0 D/1303, 24-25=0/1796, 23-2 1410/0, 18-19=-433/346, 1	4=0/1796, 22-23=0/1796, 21-22=- 7-18=-433/346, 16-17=-32/809, 15	150/1057, 20-21=-84 5-16=-32/809,	5/0,			
14-15= WEBS 8-20=-7 5-22=0, 9-19=-8	-32/809 '09/0, 3-25=-291/57, 2-25=0 '549, 5-21=-935/0, 7-21=0/9 344/0, 8-19=0/820, 11-14=-5	//345, 2-26=-817/0, 1-26=0/865, 4- /73, 7-20=-979/0, 10-17=-460/0, 9- /57/67, 12-14=0/498	22=-643/0, 17=0/446,				
NOTES- (6-7) 1) Unbalanced floor live 2) All plates are 3x4 MT	loads have been considere 20 unless otherwise indicate	d for this design. ed.					
 4) Recommend 2x6 strope to the attached to walls a 5) CAUTION, Do not ere 6) Graphical web bracin 	ingbacks, on edge, spaced a at their outer ends or restrair ect truss backwards. g representation does not d	at 10-0-0 oc and fastened to each ned by other means. epict the size. type or the orientatio	truss with 3-10d (0.1	131" X 3") nails e web. Svmbol	 Strongbacks onlv indicates 	to that	
the member must be7) Bearing symbols are design of the truss to	braced. only graphical representatio support the loads indicated	ns of a possible bearing condition.	Bearing symbols ar	e not considere	ed in the struct	ural uninternational CAR	
LOAD CASE(S) Standa	rd					POFESSIO	N.P.
						28147	ALL BURNER
						A SNOINEE	RAS
						"HALLING MANNEN	line.

4/24/2025



REACTIONS. (lb/size) 18=576/0-3-6 (min. 0-1-8), 10=576/0-3-8 (min. 0-1-8)

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

TOP CHORD 1-18=-575/0, 1-2=-628/0, 2-3=-1575/0, 3-4=-2049/0, 4-5=-2117/0, 5-6=-1779/0, 6-7=-1779/0, 7-8=-951/0

BOT CHORD 16-17=0/1200, 15-16=0/2049, 14-15=0/2049, 13-14=0/2049, 12-13=0/2074, 11-12=0/1449, 10-11=0/430

WEBS 3-16=-649/0, 2-16=0/488, 2-17=-746/0, 1-17=0/804, 5-12=-376/0, 7-12=0/421, 7-11=-649/0, 8-11=0/678, 8-10=-723/0

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





I	5-2-14	1-0-0	1-0-0	6-4-8		1
Plate Offsets (X,Y)	[3:0-1-8,Edge], [4:0-1-8,Edge]					
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 1-4-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.27 BC 0.53 WB 0.32 Matrix-SH	DEFL. ir Vert(LL) -0.10 Vert(CT) -0.13 Horz(CT) 0.02	n (loc) l/defi L/d 0 10-11 >999 480 3 10-11 >999 360 2 8 n/a n/a	PLATES GRIP MT20 244/19 Weight: 67 lb FT =) = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF WEBS 2x4 SF	2 No.1(flat) 2 No.1(flat) 2 No.3(flat)		BRACING- TOP CHORD BOT CHORD	Structural wood sheathing c end verticals. Rigid ceiling directly applied	irectly applied or 6-0-0 oc p or 10-0-0 oc bracing.	urlins, except

REACTIONS. (lb/size) 15=495/0-3-6 (min. 0-1-8), 8=495/0-3-8 (min. 0-1-8)

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

TOP CHORD 1-15=-492/0, 1-2=-528/0, 2-3=-1278/0, 3-4=-1571/0, 4-5=-1460/0, 5-6=-929/0

BOT CHORD 13-14=0/1014, 12-13=0/1571, 11-12=0/1571, 10-11=0/1571, 9-10=0/1308, 8-9=0/531

WEBS 3-13=-438/0, 2-13=0/347, 2-14=-633/0, 1-14=0/676, 4-10=-275/13, 5-9=-494/0, 6-9=0/518, 6-8=-706/0

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 0.0002 CAMPBELL RIDGE 102 ALDEN WAY ANGIER, NC	
25-3559-F02	F227	Floor Supported Gable	1	1	Job Reference (optional) # 58838	

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MITek Industries, Inc. Thu Apr 24 22:21:54 2025 Page 1 ID:oDuWOOMhLxMOj2fwcp2aKqzMG6w-RTEkg2yat5dWPj7IhIPb_LqGnRVkbSciUSjBKazNNwx

Scale = 1:19.6



			12-5-14 12-5-14		
Plate Offsets (X,Y)	[6:0-1-8,Edge], [18:0-1-8,Edge]				
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.06 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) 17 n/a n/a	PLATES GRIP MT20 244/190 Weight: 54 lb 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 10-0-0 oc purlins, except

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-(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) 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.

LOAD CASE(S) Standard



Job 25-3559-F02	Truss F228	Truss Type Floor	Qty 3	Ply LOT 0.00	02 CAMPBELL RID	GE 102 ALDEN WAY	ANGIER, NC # 58838
<u>0-5-4 1-3-0</u>			Run: 8.430 s Feb 1 ID:oDuWOOMhL 2-0-0	2 2021 Print: 8.630 s xMOj2fwcp2aKqzI	Jul 12 2024 MiTek I MG6w-RTEkg2ya	ndustries, Inc. Thu Apı t5dWPj7lhIPb_Lq9lf	r 24 22:21:54 2025 Page 1 RL2bKmiUSjBKazNNwx 0-5-8 Scale = 1:32.9
4x6 = 4x4 = 1 1 2 1 2 25 24 $4x4 = 1$	$ \begin{array}{c} 1.5 \\ 3 3 4 5 \\ \hline 1 3 4 5 \\ \hline 2 3 4 5 \\ \hline 2 3 2 \\ 4 x 4 = 3 x \end{array} $	x3 $P = \frac{6}{100} = \frac{6}{100} = \frac{100}{100} = \frac{100}{$	7 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	T2 9 T2 0 18 17 3x8 MT20HS	1.5x3 10 10 16 FP= 3x8 =	11 82 15 4x6 =	4x6 = 1.5x3 12 13 12 13 14 12 13 14
Plate Offsets (X,Y) [1:	<u>9-8-4</u> 9-8-4 Edge,0-1-8], [7:0-1-8,Edge],	[8:0-1-8,Edge], [25:Edge,0-1-8	+ 10-8-4 + 11-8-4 + 1-0-0 + 1-0-0 + 3]		<u>20-0-4</u> 8-4-0		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 0.54 BC 0.69 WB 0.54 Matrix-SH	DEFL. in Vert(LL) -0.36 Vert(CT) -0.50 Horz(CT) 0.07	(loc) l/defl 20 >660 20 >480 14 n/a	L/d 480 360 n/a	PLATES MT20 MT20HS Weight: 102 lb	GRIP 244/190 187/143 FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SP N BOT CHORD 2x4 SP N B2: 2x4 SP N WEBS 2x4 SP N	o.1(flat) S(flat) *Except* P No.1(flat) o.3(flat)		BRACING- TOP CHORD BOT CHORD	Structural wood end verticals. Rigid ceiling dire	sheathing direct	ly applied or 6-0-0 0-0-0 oc bracing.) oc purlins, except
REACTIONS. (lb/size) FORCES. (lb) - Max. Cc TOP CHORD - 1-25=-8' 6-7=-39' - 23-24=0' BOT CHORD 23-24=0' 17-18=0' WEBS 7-21=-44' 2-24=-12' 11-15=	25=872/Mechanical, 14=87 mp./Max. Ten All forces 2 72/0, 1-2=-442/0, 2-3=-2137 30/0, 7-8=-4104/0, 8-9=-372 /1407, 22-23=0/2842, 21-22 /3387, 16-17=0/3387, 15-16 38/166, 6-21=0/378, 6-22=-5 256/0, 1-24=0/931, 8-18=-65 1097/0, 12-15=0/1124, 12-1-	2/0-3-8 (min. 0-1-8) 250 (lb) or less except when sh /0, 3-4=-3356/0, 4-5=-3356/0, i 3/0, 9-10=-2828/0, 10-11=-282 (=0/3800, 20-21=0/4104, 19-20 (=0/2164, 14-15=0/457 567/0, 3-22=0/657, 3-23=-917/0 39/0, 9-18=0/517, 9-16=-713/0, 4=-1023/0	own. 5-6=-3356/0, 28/0, 11-12=-1321/0)=0/4104, 18-19=0/4104 0, 2-23=0/950, 11-16=0/848,	,			
NOTES- (6-7) 1) Unbalanced floor live 2) All plates are MT20 pl 3) All plates are 3x4 MT2 4) Refer to girder(s) for th 5) Recommend 2x6 stror be attached to walls a 6) Graphical web bracing the member must be b 7) Bearing symbols are design of the trues to	oads have been considered ates unless otherwise indicate 20 unless otherwise indicate uss to truss connections. ngbacks, on edge, spaced a their outer ends or restrain representation does not de praced. Inly graphical representation support the loads indicated	I for this design. Ited. d. t 10-0-0 oc and fastened to ea ed by other means. pict the size, type or the orient is of a possible bearing conditi	ach truss with 3-10d (0.1 ation of the brace on the on. Bearing symbols are	31" X 3") nails. S web. Symbol or not considered	Strongbacks to Ily indicates that in the structural		
LOAD CASE(S) Standar	d				Multun	PROFESSION	



Job	Truss	Truss Type	Qty P	Ply LOT 0.0002 CAMP	BELL RIDGE 102 ALDEN WA	AY ANGIER, NC		
25-3559-F02	F229	Floor	6	1	antional)	# 58838		
			Run: 8.430 s Feb 12 2	2021 Print: 8.630 s Jul 12 202 40i2fwcp2aKgzMG6w-PT	24 MiTek Industries, Inc. Thu A	Apr 24 22:21:54 2025 Page 1		
,0-5-4, 1-3-0 ,			2	2-0-0		1-0-0		
						Scale = 1:27.3		
4x6 —	3x8 FP=	1 5x3				4x4 —		
1 _ 2	3 4	5 6	7	8	9	10		
₹ <u>₩</u> 1₩2		$\searrow \parallel / / \searrow$				W4 W1 -5-		
		B1						
24 20	10	10	47 40	45	14 12	10		
21 20 4x4 =	19	18 3x8 =	17 16 1.5x3	15 1 5x3	14 13 3x8 FP=	12 ≌1⊐ 4x4 = 1.5x3 ∐		
		0.4	40.0.4	44.0.4	40.0.4			
	9.	8-4 8-4	10-8-4	1-0-0	5-0-0			
Plate Offsets (X,Y) [1:E	<u>-dge,0-1-8], [/:0-1-8,Edge],</u>	[8:0-1-8,Edge], [10:0-1-8,Edge]	, [21:Edge,0-1-8]					
LOADING (psf)	SPACING- 1-7-3 Plate Grip DOI 1.00	CSI .	DEFL. in ((loc) I/defl L/d 6-17 >760 480	PLATES MT20	GRIP		
TCDL 10.0	Lumber DOL 1.00	BC 0.77	Vert(CT) -0.36 16	6-17 >554 360	WIZO	244/100		
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH	H0r2(CT) 0.04	n/a n/a	Weight: 84 lb	FT = 20%F, 11%E		
LUMBER-			BRACING-					
TOP CHORD 2x4 SP No	o.1(flat) S(flat) ⊁⊑vcont*		TOP CHORD S	Structural wood sheathin	ng directly applied or 6-0	-0 oc purlins, except		
BOT CHORD 2x4 SP 33 B2: 2x4 SI	P No.1(flat)		end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.					
WEBS 2x4 SP No	o.3(flat)							
REACTIONS. (lb/size)	21=726/Mechanical, 11=72	26/0-3-8 (min. 0-1-8)						
FORCES. (Ib) - Max. Co	mp./Max. Ten All forces 2	250 (lb) or less except when sho	wn.					
TOP CHORD 1-21=-72 5-6=-255	25/0, 10-11=-730/0, 1-2=-36 59/0, 6-7=-2831/0, 7-8=-262	22/0, 2-3=-1/10/0, 3-4=-1/10/0, 22/0, 8-9=-1921/0, 9-10=-661/0	4-5=-2559/0,					
BOT CHORD 19-20=0, 13 14-0	/1154, 18-19=0/2237, 17-18 /1305_12_13=0/1305	3=0/2855, 16-17=0/2622, 15-16	=0/2622, 14-15=0/2622,					
WEBS 7-16=-30)1/0, 8-15=0/327, 7-17=-12	8/410, 6-18=-377/0, 4-18=0/412	, 4-19=-686/0,					
2-19=0/7 10-12=0	′24, 2-20=-1029/0, 1-20=0/ /926	764, 8-14=-924/0, 9-14=0/685, 9	9-12=-955/0,					
NOTES_ (5_6)								
1) Unbalanced floor live I	oads have been considered	for this design.						
 All plates are 3x4 MT2 Refer to girder(s) for tr 	0 unless otherwise indicate uss to truss connections.	ed.						
4) Recommend 2x6 stror	igbacks, on edge, spaced a	at 10-0-0 oc and fastened to eac	ch truss with 3-10d (0.13	1" X 3") nails. Strongba	acks to			
5) Graphical web bracing	representation does not de	eq by other means. epict the size, type or the orienta	ition of the brace on the v	web. Symbol only indica	ates that			
the member must be b 6) Bearing symbols are of	raced. nly graphical representation	ns of a possible bearing condition	n. Bearing symbols are r	not considered in the st	ructural			
o) 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





TOP CHORD 1-17=-645/0, 8-9=-644/0, 1-2=-699/0, 2-3-1727/0, 3-4-2198/0, 4-5=-2181/0, 5-6=-1669/0, 6-7=-1669/0, 7-8=-558/0

BOT CHORD 15-16=0/1338, 14-15=0/2198, 13-14=0/2198, 12-13=0/2198, 11-12=0/2067, 10-11=0/1219

WEBS 3-15=-663/0, 2-15=0/506, 2-16=-833/0, 1-16=0/895, 4-12=-261/150, 5-12=0/252, 5-11=-509/0, 7-11=0/573,

7-10=-861/0. 8-10=0/797

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 0.0002 CAMPBELL RIDGE 102 ALDEN WAY ANGIER, NC		
25-3559-F02	F231	Floor	⁵ 1 bh Reference (ontional) # 58838		
			Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 22:21:55 2025 Page 1		
, 1-2·	-14 1-3-0	2-0-0	10.0044400141112x110jz1wcpzardz101000-4010010 yDei 1140510E 1 wq4vz14051041113j504021414444 ,0-6-8,		
			Scale = 1:30.3		
			4x4 =		
4x4 =			3x8 FP= 1.5x3 1.5x3		
	2	3 4	5 6 7 8 9 10 11		
	2				
, <u>1</u>					
22	21 20	19 18	17 16 15 14 13 42		
1.5x3	4x6 =	1.5x3 1.5x3	3x8 = 3x8 FP= 4x4 =		
L	5-2-14	6-2-14 7-2-14	18-1-14		
Plate Offsets ()	<u>5-2-14</u> (,Y) [1:Edge,0-1-8], [3:0-1-8,I	<u> </u>	10-11-0		
I OADING (psf)	SPACING-	1-7-3 CSI	DEFL in (loc) I/defl I /d PLATES GRIP		
TCLL 40.0	Plate Grip DOL	1.00 TC 0.80	Vert(LL) -0.35 17-18 >620 480 MT20 244/190		
ICDL 10.0 BCLL 0.0	Lumber DOL Rep Stress Incr	1.00 BC 0.90 YES WB 0.54	Vert(CT) -0.48 1/-18 >451 360 Horz(CT) 0.05 12 n/a n/a		
BCDL 5.0	Code IRC2021/TF	Pl2014 Matrix-SH	Weight: 90 lb FT = 20%F, 11%E		
LUMBER-			BRACING-		
TOP CHORD 2	2x4 SP No.1(flat) 2x4 SP SS(flat) *Excent*		TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals		
	32: 2x4 SP No.1(flat)		BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.		
WEBS 2	2x4 SP No.3(flat)				
REACTIONS.	(Ib/size) 22=793/0-3-6 (min. (0-1-8), 12=793/0-3-8 (min. 0-1-	8)		
FORCES. (Ib)	- Max. Comp./Max. Ten All fo	rces 250 (lb) or less except wh	en shown.		
TOP CHORD	1-22=-795/0, 1-2=-880/0, 2-3=	:-2261/0, 3-4=-3062/0, 4-5=-33)=-2533/0_9-10=-1237/0	79/0, 5-6=-3223/0,		
BOT CHORD 20-21=0/1677, 19-20=0/3062, 18-19=0/3062, 17-18=0/3062, 16-17=0/3467, 15-16=0/2976,					
WEBS 3-19=0/383, 4-18=-357/0, 3-20=-1056/0, 2-20=0/761, 2-21=-1037/0, 1-21=0/1127.					
4-17=-84/546, 5-16=-318/0, 7-16=0/321, 7-15=-565/0, 9-15=0/710, 9-13=-963/0,					
	10-13=0/991, 10-12=-949/0				
NOTES- (4-5) floor live loads have been cons	idered for this design			
2) All plates are	3x4 MT20 unless otherwise in	dicated.			
3) Recommend	2x6 strongbacks, on edge, spa	aced 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

