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 #: 58816 JOB: 25-3580-F02 JOB NAME: LOT 0.0024 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. 20 Truss Design(s)

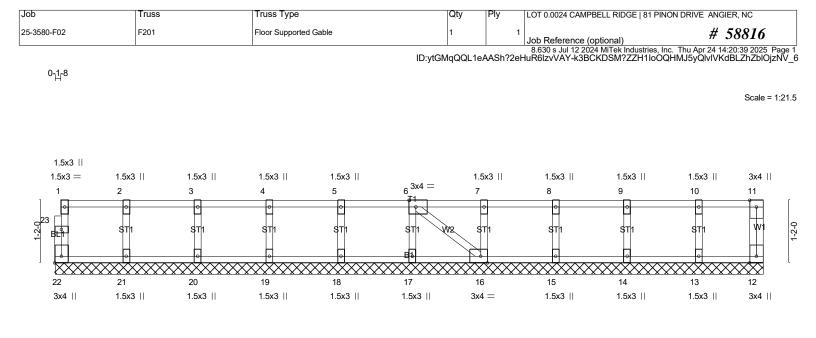
Trusses:

F201, F202, F203, F204, F205, F206, F207, F208, F209, F210, F211, F212, F213, F214, F215, F216, F217, F218, F219, F220



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

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



			<u>13-2-6</u> 13-2-6		
Plate Offsets (X,Y)	[6:0-1-8,Edge], [16:0-1-8,Edge], [22:E	dge,0-1-8]	13-2-0		
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	a - n/a 999	PLATES GRIP MT20 244/190 Weight: 59 lb FT = 20%F, 11%E
			BRACING- TOP CHORD BOT CHORD	Structural wood sheathin end verticals. Rigid ceiling directly appl	g directly applied or 6-0-0 oc purlins, except ied or 10-0-0 oc bracing.

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REACTIONS. All bearings 13-2-6.

(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)

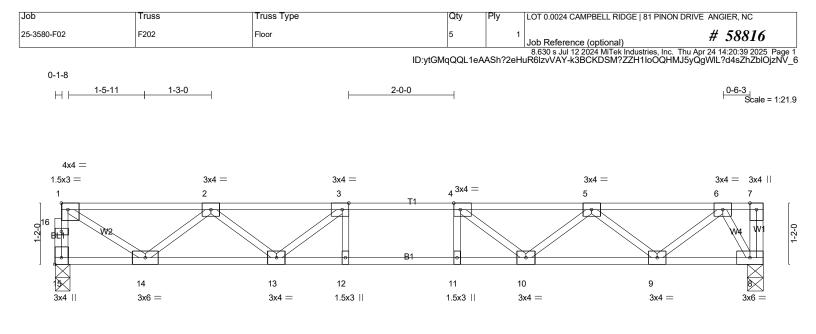
1) Gable requires continuous bottom chord bearing.

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

5) CAUTION, Do not erect truss backwards

LOAD CASE(S) Standard





 	<u>5-7-3</u> 5-7-3	<u> </u>	7-7-3	13-; 5-10	5-14)-11
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 0.34 BC 0.67 WB 0.51 Matrix-SH	Vert(LL) -0.1	n (loc) l/defl L/d 2 10-11 >999 480 6 10-11 >999 360 3 8 n/a n/a	PLATES MT20 GRIP 244/190 Weight: 68 lb FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF WEBS 2x4 SF			BRACING- TOP CHORD BOT CHORD	Structural wood sheathing d end verticals. Rigid ceiling directly applied	lirectly applied or 6-0-0 oc purlins, except

REACTIONS. (lb/size) 15=722/0-3-6 (min. 0-1-8), 8=728/0-3-8 (min. 0-1-8)

5-7-3

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

TOP CHORD 15-16=-716/0, 1-16=-715/0, 1-2=-931/0, 2-3=-1951/0, 3-4=-2283/0, 4-5=-2015/0, 5-6=-1104/0

BOT CHORD 13-14=0/1625, 12-13=0/2283, 11-12=0/2283, 10-11=0/2283, 9-10=0/1722, 8-9=0/459

3-13=-555/0, 2-13=0/455, 2-14=-904/0, 1-14=0/1073, 4-10=-493/0, 5-10=0/419, 5-9=-804/0, 6-9=0/840, 6-8=-876/0 WEBS

NOTES-(4)

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

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

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

3) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



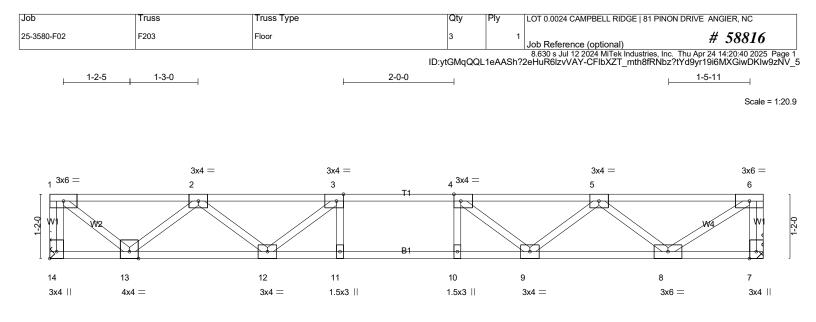


Plate Offsets (X,Y)	5-3-13 5-3-13 [3:0-1-8,Edge], [4:0-1-8,Edge], [14:Ec	6-3-13 1-0-0 lge,0-1-8]	7-3-13		11-0 7-3
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.35 BC 0.61 WB 0.50 Matrix-SH	Vert(LL) -0.1	n (loc) l/defl L/d 1 9-10 >999 480 4 9-10 >999 360 2 7 n/a n/a	PLATES GRIP MT20 244/190 Weight: 65 lb FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF WEBS 2x4 SF			BRACING- TOP CHORD BOT CHORD	Structural wood sheathing c end verticals. Rigid ceiling directly appliec	lirectly applied or 6-0-0 oc purlins,except I or 10-0-0 oc bracing.

REACTIONS. (lb/size) 14=697/Mechanical, 7=697/Mechanical

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

TOP CHORD 1-14=-692/0, 6-7=-689/0, 1-2=-745/0, 2-3=-1755/0, 3-4=-2087/0, 4-5=-1828/0, 5-6=-882/0

BOT CHORD 12-13=0/1425, 11-12=0/2087, 10-11=0/2087, 9-10=0/2087, 8-9=0/1546

WEBS 3-12=-536/0, 2-12=0/446, 2-13=-885/0, 1-13=0/949, 4-9=-474/0, 5-9=0/405, 5-8=-865/0, 6-8=0/1052

NOTES-(4)

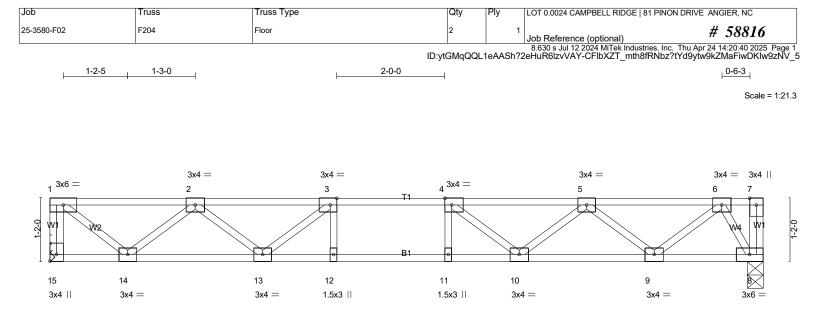
1) Unbalanced floor live loads have been considered for this design.

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

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

LOAD CASE(S) Standard





	<u> </u>	<u> </u>	+ 7-3-13 + 1-0-0	13-2-8 5-10-11				
Plate Offsets (X,Y)	[3:0-1-8,Edge], [4:0-1-8,Edge], [15:Ed	dge,0-1-8]						
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 0.23 BC 0.45 WB 0.31 Matrix-SH	Vert(LL) -0.0	in (loc) l/defl L/d)8 10-11 >999 480 10 10-11 >999 360 02 8 n/a n/a	PLATES GRIP MT20 244/190 Weight: 67 lb FT = 20%F, 11%E			
LUMBER- TOP CHORD 2x4 SI BOT CHORD 2x4 SI WEBS 2x4 SI			BRACING- TOP CHORD BOT CHORD	Structural wood sheathing o end verticals. Rigid ceiling directly applied	lirectly applied or 6-0-0 oc purlins, except			

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REACTIONS. (lb/size) 15=475/Mechanical, 8=475/0-3-8 (min. 0-1-8)

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

TOP CHORD 1-15=-472/0, 1-2=-510/0, 2-3=-1209/0, 3-4=-1456/0, 4-5=-1300/0, 5-6=-717/0

BOT CHORD 13-14=0/974, 12-13=0/1456, 11-12=0/1456, 10-11=0/1456, 9-10=0/1118, 8-9=0/299

WEBS 3-13=-387/0, 2-13=0/314, 2-14=-605/0, 1-14=0/650, 4-10=-304/0, 5-10=0/263, 5-9=-522/0, 6-9=0/545, 6-8=-571/0

NOTES- (4)

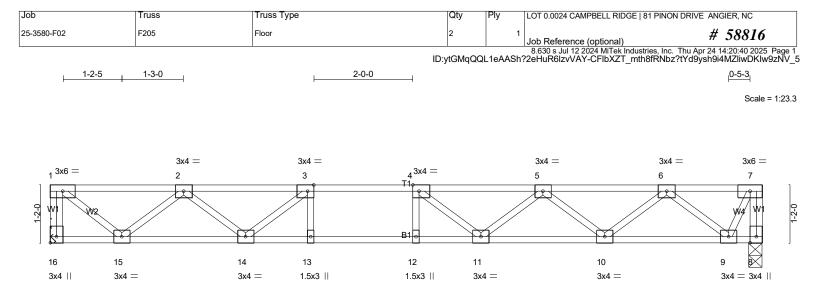
1) Unbalanced floor live loads have been considered for this design.

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

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

LOAD CASE(S) Standard





	0-0-10	0-0-10 7-0-10	14-4-0					
r	5-3-13	1-0-0 1-0-0	0 7-0-11					
Plate Offsets (X,Y) [3	3:0-1-8,Edge], [4:0-1-8,Edge], [16:Ed	lae.0-1-81						
	5 1 1 1							
LOADING (psf)	SPACING- 1-4-0	CSI. DE	FL. in	(loc) l/defl L/d	PLATES	GRIP		
TCLL 40.0	Plate Grip DOL 1.00	TC 0.31 Ve	rt(LL) -0.12	11-12 >999 480	MT20	244/190		
TCDL 10.0	Lumber DOL 1.00	BC 0.61 Ve	rt(CT) -0.16	11-12 >999 360				
BCLL 0.0	Rep Stress Incr YES	WB 0.34 Ho	rz(CT) 0.02	8 n/a n/a				
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH	_(-,)		Weight: 73 lb	FT = 20%F, 11%E		
LUMBER-		BF	ACING-		1			
TOP CHORD 2x4 SP	No.1(flat)	тс	P CHORD	Structural wood sheathing	directly applied or 6-0	0-0 oc purlins, except		
BOT CHORD 2x4 SP				end verticals.	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
	No.3(flat)	BC	T CHORD					

7-3-13

REACTIONS. (lb/size) 16=518/Mechanical, 8=518/0-3-8 (min. 0-1-8)

5-3-13

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

TOP CHORD 1-16=-516/0, 7-8=-520/0, 1-2=-563/0, 2-3=-1367/0, 3-4=-1709/0, 4-5=-1648/0, 5-6=-1172/0, 6-7=-254/0

BOT CHORD 14-15=0/1073, 13-14=0/1709, 12-13=0/1709, 11-12=0/1709, 10-11=0/1525, 9-10=0/804

3-14=-496/0, 2-14=0/382, 2-15=-664/0, 1-15=0/718, 5-10=-460/0, 6-10=0/479, 6-9=-716/0, 7-9=0/538 WEBS

NOTES-(4)

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

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

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

6-3-13

LOAD CASE(S) Standard



14-4-8

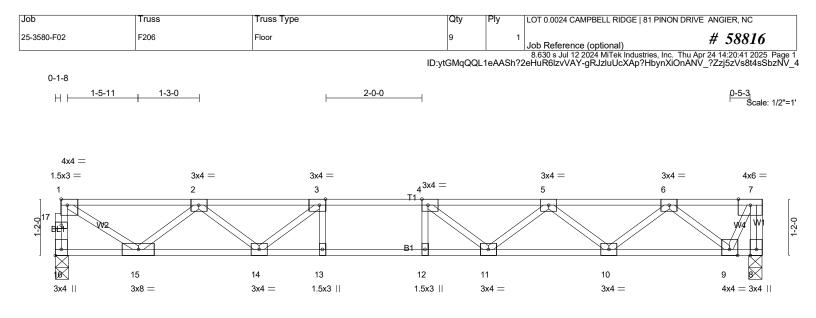


Plate Offsets (X,Y)	5-7-3 5-7-3 [1:Edge,0-1-8], [3:0-1-8,Edge], [4:0-1	<u>6-7-3</u> <u>1-0-0</u> -8,Edge], [16:Edge,0-1-8	7-7-3 1-0-0 8]	14-7-14 7-0-11	I
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.47 BC 0.91 WB 0.56 Matrix-SH	Vert(LL) -0.1	in (loc) l/defl L/d 1811-12 >973 480 2411-12 >724 360 04 8 n/a n/a	PLATES GRIP MT20 244/190 Weight: 74 lb FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF WEBS 2x4 SF			BRACING- TOP CHORD BOT CHORD	Structural wood sheathing d end verticals. Rigid ceiling directly applied	lirectly applied or 6-0-0 oc purlins, except

REACTIONS. (Ib/size) 16=786/0-3-6 (min. 0-1-8), 8=792/0-3-8 (min. 0-1-8)

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

TOP CHORD 16-17=-782/0, 1-17=-780/0, 7-8=-795/0, 1-2=-1027/0, 2-3=-2205/0, 3-4=-2680/0, 4-5=-2554/0, 5-6=-1803/0, 6-7=-389/0

BOT CHORD 14-15=0/1791, 13-14=0/2680, 12-13=0/2680, 11-12=0/2680, 10-11=0/2349, 9-10=0/1233

3-14=-717/0, 2-14=0/557, 2-15=-994/0, 1-15=0/1185, 4-11=-403/81, 5-11=0/362, 5-10=-711/0, 6-10=0/742, WEBS 6-9=-1099/0. 7-9=0/824

NOTES-(4)

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

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

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

3) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



Truss		Truss Type		Qty	Ply	LOT 0.0024 CAMPBELL	RIDGE 81 PINON DR	IVE ANGIE	R, NC
F207		Floor Supported Gable		1	1	Job Reference (optior	al)		8816
			ID:	/tGMqQQL1	eAASh?2e	8.630 s Jul 12 2024 MiT HuR6lzvVAY-gRJzluU	ek Industries, Inc. Thu cXAp?HbynXiOnAN	Apr 24 14:2 V5OZBo5	0:41 2025 Page 5qs8t4sSbzNV_
									Scale = 1:23.
3			3×4 —						
	3 4	5		7	8	9	10	11	12
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	22 21	20	19	18	17	16	15	14	13
3	1.5x3 1.5	x3 1.5x3	1.5x3	3x4 =	1.5x3	1.5x3	1.5x3	1.5x3	3x4
	F207 (3 1	F207 (3 1.5x3 1.5 3 4 1 ST1 S 22 21	F207 F207 Floor Supported Gable Floor Supported Gable 1 1.5x3 1.5x3 1.5x3 3 4 5 1 ST1 ST1 ST1 2 2 21 20	F207 Floor Supported Gable ID: $(3 1.5x3 1.5x3 1.5x3 3 4 = 6^{3x4} = 10^{3x4} = 10^$	F207 Floor Supported Gable 1 ID:ytGMqQQL1 (3 1.5x3 1.5	F207 Floor Supported Gable 1 1 ID:ytGMqQQL1eAASh?2e (3 1.5x3 1.5x3 1.5x3 3 4 5 $6^{3x4} = 7$ 8 1 ST1 ST1 ST1 ST1 ST1 22 21 20 19 18 17	F207 Floor Supported Gable 1 202 12 2024 MiT ID:ytGMqQQL 1eAASh?2eHuR6izvVAY-gRJzluU A 5 6 3x4 = 1.5x3 1.5x1 1	F207 Floor Supported Gable 1 1 1 Job Reference (optional) 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu ID:ytGMqQQL1eAASh?2eHuR6izvVAY-gRJzluUcXAp?HbynXiOnAN x3 1.5x3 1.5x3 1.5x3 1.5x3 1.5x3 1.5x3 3 4 5 6 3x4 = 7 8 9 10 1 5 6 7 8 9 10 1 5 6 7 8 9 10 1 5 6 7 8 9 10 1 5 1 5 7 1 5 1 1 5 1 1<	F207 Floor Supported Gable 1 1 1 Job Reference (optional) # 5 8.630 s Jul 12 2024 MTek Industries, Inc. Thu Apr 24 14.2 ID:ytGMqQQL1eAASh?2eHuR6izvVAY-gRJzluUcXAp?HbynXiOnANV50ZB055 (3) II 1.5x3 II </td

1			14-4-6				I.
ŀ			14-4-6				
Plate Offsets (X,Y)	[6:0-1-8,Edge], [18:0-1-8,Edge], [24:E	Edge,0-1-8]					
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. ir	(loc) l/	defl L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.06	Vert(LL) n/a	-	n/a 999	MT20	244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.01	Vert(CT) n/a	-	n/a 999		
BCLL 0.0	Rep Stress Incr YES	WB 0.03	Horz(CT) 0.00	13	n/a n/a		
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH				Weight: 64 lb	FT = 20%F, 11%E
LUMBER-			BRACING-				
TOP CHORD 2x4 SF	P No.1(flat)		TOP CHORD	Structura	I wood sheathing of	directly applied or 6-	0-0 oc purlins, except
BOT CHORD 2x4 SF				end vertic		V 11	, , ,
WEBS 2x4 SF	P No.3(flat)	BOT CHORD	Rigid ceil	ing directly applied	d or 10-0-0 oc bracir	ng.	
OTHERS 2x4 SF	P No.3(flat)			÷	5 7 11		•

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REACTIONS. All bearings 14-4-6.

(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)

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

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

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

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

5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



Job		Truss		Truss Ty	/pe			Qty	Ply	LOT 0.0024 CAM	PBELL RIDGE 8	1 PINON DRI	VE ANGIEI	R, NC
25-3580-F02		F208		Floor Sup	ported Gable			1	1	Job Reference	(optional)			8816
							ID:y	tGMqQQL1	eAASh?2	8.630 s Jul 12 20 eHuR6lzvVAY-gF	24 MiTek Industr RJzluUcXAp?H	ies, Inc. Thu bynXiOnAN	Apr 24 14:2 V5LZBo55	0:41 2025 Page 1 5ps8t4sSbzNV_4
														0- <u>1</u> -8
														Scale = 1:29.9
													1.5x3	11
		1.5x3	1.5x3											1.5x3
3x4	1.5x3	3x8 FF	2	1.5x3	1.5x3	3x4 =	1.5x3	1.5x3	1.5x3	3 1.5x3	1.5x3	1.5x3		1.5x3 =
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1-2-0 1W	ST1	ST1	ST1	ST1	ST1	ST1 W2	ST1	ST1	ST1	ST1	ST1	ST1	ST1	9
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	XXXXX	XXXXXX		XXXXX	XXXXX	XXXXXX	XXXXXX	XXXXX	XXXX	XXXXXXXXXX	XXXXXX	XXXXXX		xx '
32	31	30	29	28	27	26	25	24	23	22	21 20	19	18	17
3x4	1.5x3	1.5x3	1.5x3	1.5x3	1.5x3	1.5x3	3x4 =	1.5x3	1.5x3	3 1.5x3	3x8 I	=P=	1.5x3	3x4
											1.5x3	1.5x3		

1			18-3-4						
ŀ			18-3-4						
Plate Offsets (X,Y) [1:Edge,0-1-8], [8:0-1-8,Edge], [25:0-1-8,Edge], [32:Edge,0-1-8]									
			4						
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. ir	n (loc) I/defl L/d	PLATES GRIP				
TCLL 40.0	Plate Grip DOL 1.00	TC 0.06	Vert(LL) n/a	a - n/a 999	MT20 244/190				
TCDL 10.0	Lumber DOL 1.00	BC 0.01	Vert(CT) n/a	a - n/a 999					
BCLL 0.0	Rep Stress Incr YES	WB 0.03	Horz(CT) 0.00) 17 n/a n/a					
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH			Weight: 79 lb FT = 20%F, 11%E				
LUMBER-			BRACING-						
TOP CHORD 2x4 SF	PNo.1(flat)		TOP CHORD	Structural wood sheath	ing directly applied or 6-0-0 oc purlins, except				
BOT CHORD 2x4 SF	PNo.1(flat)			end verticals.					
WEBS 2x4 SF	P No.3(flat)		BOT CHORD	Rigid ceiling directly ap	plied or 10-0-0 oc bracing.				
OTHERS 2x4 SF	P No.3(flat)								

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REACTIONS. All bearings 18-3-4.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 32, 17, 31, 30, 29, 28, 27, 26, 25, 24, 23, 22, 21, 19, 18

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

NOTES-(6)

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

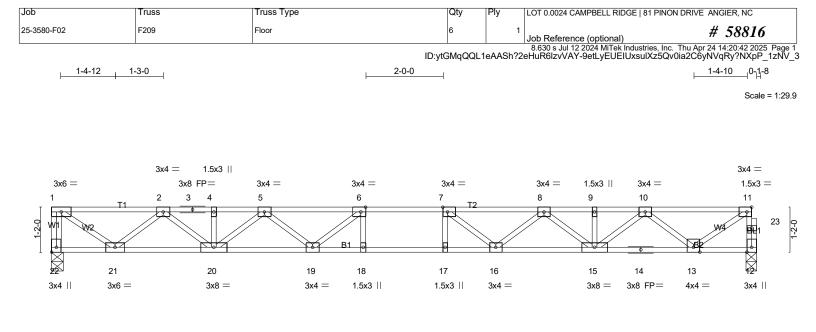
3) Gable studs spaced at 1-4-0 oc.

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

5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard





	<u> </u>		-12 10-1-12 0-0 1-0-0		
Plate Offsets (X,Y)	[6:0-1-8,Edge], [7:0-1-8,Edge], [11:0-			0-1-1	
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 0.32 BC 0.68 WB 0.49 Matrix-SH	Vert(LL) -0.2	n (loc) l/defl L/d 1 17-18 >999 480 9 17-18 >756 360 5 12 n/a n/a	PLATES MT20 GRIP 244/190 Weight: 93 lb FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SI BOT CHORD 2x4 SI WEBS 2x4 SI			BRACING- TOP CHORD BOT CHORD	Structural wood sheathing d end verticals. Rigid ceiling directly applied	lirectly applied or 6-0-0 oc purlins, except

.....

. ...

REACTIONS. (lb/size) 22=661/0-3-8 (min. 0-1-8), 12=657/0-3-6 (min. 0-1-8)

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

~ . . .

TOP CHORD 1-22=-656/0, 12-23=-653/0, 11-23=-652/0, 1-2=-845/0, 2-3=-1993/0, 3-4=-1993/0, 4-5=-1993/0, 5-6=-2630/0,

6-7=-2838/0, 7-8=-2628/0, 8-9=-1991/0, 9-10=-1991/0, 10-11=-842/0

 BOT CHORD
 20-21=0/1524, 19-20=0/2416, 18-19=0/2838, 17-18=0/2838, 16-17=0/2838, 15-16=0/2413, 14-15=0/1518, 13-14=0/1518

 WEBS
 6-19=-444/10, 5-19=0/353, 5-20=-540/0, 2-20=0/599, 2-21=-884/0, 1-21=0/1025, 7-16=-445/9, 8-16=0/354,

8-15=-540/0, 10-15=0/603, 10-13=-880/0, 11-13=0/989

NOTES- (4)

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

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

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

3) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



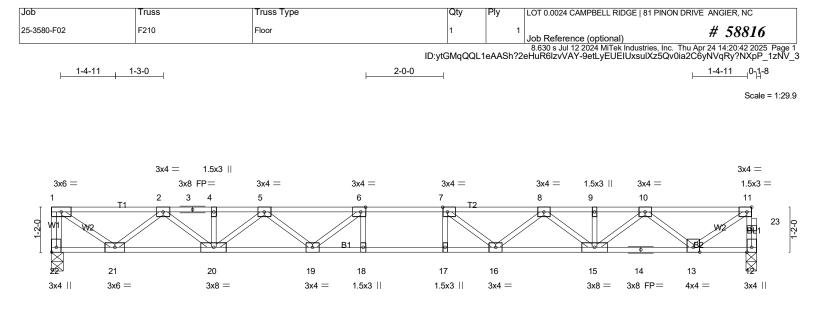


Plate Offsets (X,Y)	8-1-11 8-1-11 [6:0-1-8,Edge], [7:0-1-8,Edge], [11:0-)-0 1-0-0	18-3- 8-1-1	
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 1-4-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.32 BC 0.68 WB 0.49 Matrix-SH	Vert(LL) -0.2	n (loc) l/defl L/d 1 17-18 >999 480 9 17-18 >756 360 5 12 n/a n/a	PLATES GRIP MT20 244/190 Weight: 93 lb FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF WEBS 2x4 SF			BRACING- TOP CHORD BOT CHORD	Structural wood sheathing d end verticals. Rigid ceiling directly applied	lirectly applied or 6-0-0 oc purlins, except

REACTIONS. (lb/size) 22=661/0-3-8 (min. 0-1-8), 12=657/0-3-6 (min. 0-1-8)

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

TOP CHORD 1-22=-656/0, 12-23=-653/0, 11-23=-652/0, 1-2=-844/0, 2-3=-1992/0, 3-4=-1992/0, 4-5=-1992/0, 5-6=-2629/0,

6-7=-2838/0, 7-8=-2629/0, 8-9=-1991/0, 9-10=-1991/0, 10-11=-843/0

BOT CHORD 20-21=0/1523, 19-20=0/2415, 18-19=0/2838, 17-18=0/2838, 16-17=0/2838, 15-16=0/2414, 14-15=0/1519, 13-14=0/1519 WEBS 6-19=-444/10, 5-19=0/353, 5-20=-540/0, 2-20=0/599, 2-21=-884/0, 1-21=0/1024, 7-16=-445/9, 8-16=0/354, 8-15=-540/0, 10-15=0/603, 10-13=-880/0, 11-13=0/990

NOTES- (4)

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

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

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

3) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply LOT 0.0024 CAMPBE	LL RIDGE 81 PINON DRIVE ANGIER, NC
25-3580-F02	F211	Floor	3	1 Job Reference (opt	ional) # 58816
<u> </u>	1-3-0		ID:ytGMqQQL 2-0-0	8.630 S Jul 12 2024 1eAASh?2eHuR6lzvVAY-dqRj	Man MiTek Industries, Inc. Thu Apr 24 14:20:43 2025 Page 1 AaVs3o3jWv6Af7QFFoalPMi3Zrz8cBZyXUzNV_2 ↓ 1-4-110-1+8 Scale = 1:29.4
4x6 = 1 1 21 21 21 21 $4x$	4x4 = 3x8 FP = $71 2 3$ $71 0$ 71	3x4 = 3x4 = 4 4 5 18 17 $3x4 = 1.5x3 \parallel$	3x4 = 6 T2 16 1.5x3	3x4 = 1.5x3 7 8 7 8 15 14 3x4 = 3x8	9 10 22 07 13 12 10 10 22 07 1 10 10 10 10 10 10 10 10 10
Plate Offsets (X,Y)	7-10-3 7-10-3 [1:Edge,0-1-8], [5:0-1-8,Edg	+ 8-10 1-0 e], [6:0-1-8,Edge], [10:0-1-8,Edg)-0 1-0-0	<u>17-11</u> 8-1-'	
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	Lumber DOL 1.	00 TC 0.54 00 BC 0.66 ES WB 0.69	Vert(LL) -0.28	3 16-17 >553 360	PLATES GRIP MT20 244/190 Weight: 90 lb FT = 20%F, 11%E
			BRACING- TOP CHORD BOT CHORD	Structural wood sheathing end verticals. Rigid ceiling directly applie	directly applied or 6-0-0 oc purlins, except
REACTIONS. (Ib/siz	ze) 21=976/Mechanical, 11=	969/0-3-6 (min. 0-1-8)			
TOP CHORD 1-2' 6-7= BOT CHORD 19-2 WEBS 5-18	1=-968/0, 11-22=-963/0, 10-22 -3841/0, 7-8=-2923/0, 8-9=-2 20=0/2130, 18-19=0/3430, 17-	18=0/4119, 16-17=0/4119, 15-1 325/0, 2-19=0/868, 2-20=-1318/0	6/0, 3-4=-2796/0, 4-5=- 6=0/4119, 14-15=0/354	2, 13-14=0/2237, 12-13=0/2	237
	live loads have been conside				

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

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

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

4) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

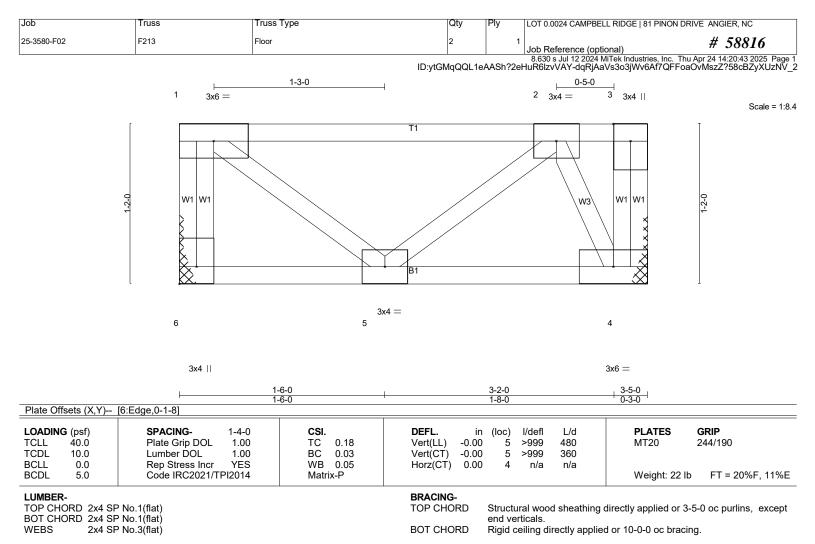


Job	Truss	Truss Type	Qty	Ply	LOT 0.0024 CAMPBELL	RIDGE 81 PINON F	DRIVE ANGIER, NC
25-3580-F02	F212	Floor Girder	1	1			# 58816
					Job Reference (option 8.630 s Jul 12 2024 Mil		# JOOLO hu Apr 24 14:20:43 2025 Page 1
<u>⊢ 1-3-0</u>			ID:ytGMqQQL1e,	AASh?2eł	HuR6ĭzvVAY-dqRjAaVs	303jWv6Af7QFFc	aFeMdEZqv8cBZyXUzNV_2 <u>1-0-0</u> _0- <u>1</u> r8 Scale = 1:29.4
THA422 5x6 = TH 1 23 7 7 7 7 23 7 7 7 7 23 7 7 7 7 7 7 7 7	A422 $4x4 = 3x8 FP =$ 4 2 3 19 4x4 =	3x4 = 3x8 = 4 4 5 B1 B1 18 17 3x4 = 1.5x3	3x4 = 6 72 73 16 $3x4 =$	15 3x4 =	THA422 $ $	$3 \parallel 4x6 =$ 9 13 $3 \parallel 3x8 \text{ FP} =$	$4x6 =$ $1.5x3 =$ 10 22 12 $4x6 = 3x4 \parallel$
I-6-0 1-6-0 Plate Offsets (X,Y) [1:] LOADING (psf) TCLL 40.0 TCDL 10.0 BCDL 0.0 BCDL 5.0	4-0-0 2-6-0 Edge,0-1-8], [10:0-1-8,Edge SPACING- 2-0- Plate Grip DOL 1.0 Lumber DOL 1.0 Rep Stress Incr NG Code IRC2021/TPI201	0 CSI. 0 TC 0.71 0 BC 0.97 0 WB 0.76	11-7-8 2-6-0 DEFL. in Vert(LL) -0.33 Vert(CT) -0.45 Horz(CT) 0.08	16 16	16-9 5-1- 1/defl L/d >651 480 >470 360 n/a n/a		Hard Hard Hard Hard Hard Hard Hard Hard
LUMBER- TOP CHORD 2x4 SP N BOT CHORD 2x4 SP N WEBS 2x4 SP N	o.1(flat)		BRACING- TOP CHORD BOT CHORD	end vert			5-6-9 oc purlins, except
FORCES. (lb) - Max. Co TOP CHORD 1-21=-1 4-5=-41 BOT CHORD 19-20=0/ WEBS 1-20=0/ 7-14=-9: NOTES- (6) 1) Recommend 2x6 stron be attached to walls a 2) CAUTION, Do not ere 3) Use Simpson Strong- 13-6-4 to connect trus 4) Fill all nail holes where 5) In the LOAD CASE(S) LOAD CASE(S) Standar 1) Dead + Floor Live (ba Uniform Loads (plf) Vert: 11-21=-1 Concentrated Loads (omp./Max. Ten All forces 110/0, 11-22=-1130/0, 10-2 77/0, 5-6=-4615/0, 6-7=-43 /2412, 18-19=0/3780, 17-1 1600, 2-20=-1479/0, 2-19= 31/0, 9-14=0/1267, 9-12=-1 ngbacks, on edge, spaced t their outer ends or restrai ct truss backwards. Fie THA422 (Single Chord s(es) F213 (1 ply 2x4 SP), a hanger is in contact with section, loads applied to t d lanced): Lumber Increase= 0, 1-10=-100	at 10-0-0 oc and fastened to each ned by other means. Girder) or equivalent spaced at 11 F214 (1 ply 2x4 SP) to back face o umber. he face of the truss are noted as fro	1276/0, 2-24=-1276/ 8-9=-3321/0, 9-10=- /4635, 14-15=0/4050 -18=-496/0, 6-15=-36 truss with 3-10d (0.1 -5-0 oc max. starting f top chord.	-1118/0), 13-14= 51/0, 7-15 131" X 3")	0/2329, 12-13=0/232 5=0/401,) nails. Strongbacks from the left end to		ARO

MORAS 1/202 -undrannun under State K. MORR 4/24/2025 Warning !--Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 National Design Standard for Metal Plate Connected Wood Truss Construction and BCSI 1-03 Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

SEAL 28147

VOINEE



REACTIONS. (lb/size) 6=116/Mechanical, 4=116/Mechanical

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

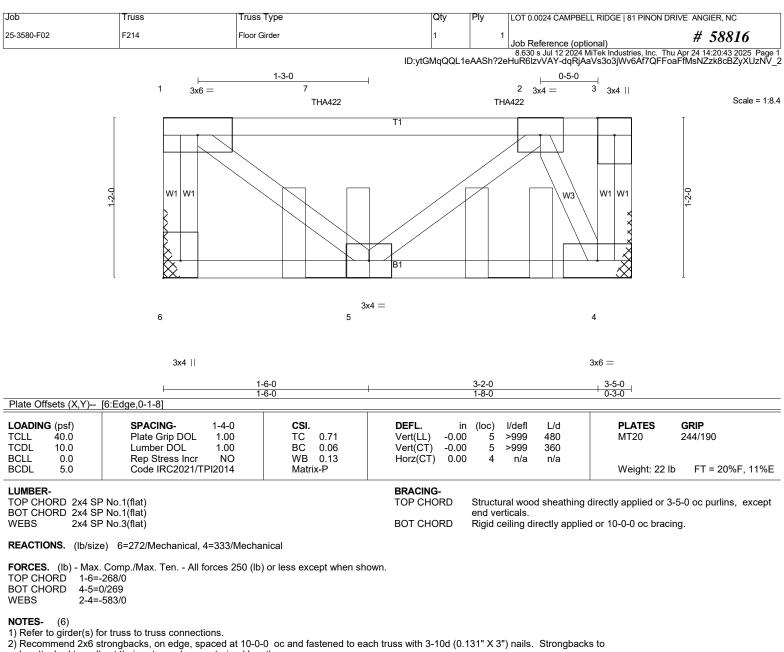
NOTES- (3)

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





- be attached to walls at their outer ends or restrained by other means. 3) Use Simpson Strong-Tie THA422 (Single Chord Girder) or equivalent spaced at 1-4-0 oc max. starting at 1-2-4 from the left end to 2-6-4
- to connect truss(es) F215 (1 ply 2x4 SP) to front face of top chord.

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

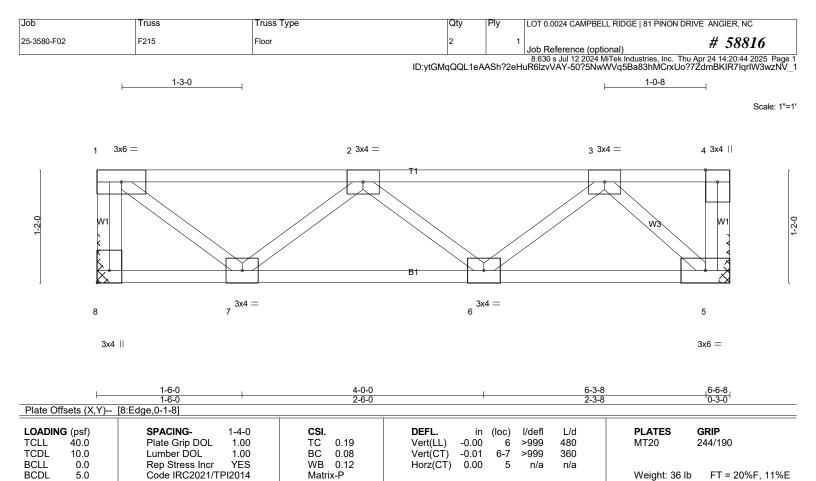
5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

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

Úniform Loads (plf) Vert: 4-6=-7, 1-3=-67 Concentrated Loads (lb) Vert: 2=-186(F) 7=-186(F)





LUMBER-
TOP CHOP

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

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. (lb/size) 8=231/Mechanical, 5=231/Mechanical

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

TOP CHORD 2-3=-316/0 BOT CHORD 6-7=0/382

WEBS 1-7=0/261, 3-5=-305/0

NOTES-(3)

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

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

LOAD CASE(S) Standard

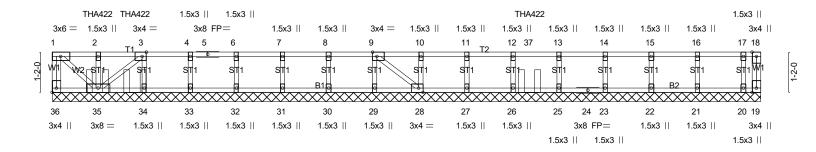


Job	Truss	Truss Type	Qty	Ply	LOT 0.0024 CAMPBELL RIDGE 81 PINON DRIVE ANGIER, NC
25-3580-F02	F216	Floor Girder	1	1	Job Reference (optional) # 58816

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 14:20:44 2025 Page 1 ID:ytGMqQQL1eAASh?2eHuR6lzvVAY-50?5NwWVq5Ba83hMCrxUo?7XsmCSIRtlqrlW3wzNV_1

Scale = 1:33.3

4/24/2025



<u> </u>			20-6-0 19-2-8				
Plate Offsets (X,Y)	[3:0-1-8,Edge], [9:0-1-8,Edge], [28:0-	1-8,Edge], [36:Edge,0-1	-8]				
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr NO Code IRC2021/TPI2014	CSI. TC 0.30 BC 0.01 WB 0.08 Matrix-SH	DEFL. in (loc) I/defl L/d Vert(LL) n/a - n/a 999 Vert(CT) n/a - n/a 999 Horz(CT) 0.00 19 n/a n/a Weight: 93 lb FT = 20% F, 11% E				
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF WEBS 2x4 SF	P No.1(flat)		BRACING- TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.				
REACTIONS. All be (Ib) - Max U Max G	earings 20-6-0. plift All uplift 100 lb or less at joint(s) rav All reactions 250 lb or less at joi except 26=351(LC 1), 25=257(LC	nt(s) 36, 19, 35, 34, 33,	32, 31, 30, 29, 28, 27, 23, 22, 21, 20				
	Comp./Max. Ten All forces 250 (lb 5=-337/0) or less except when sh	iown.				
 NOTES- (10) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 19. 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) Use Simpson Strong-Tie THA422 (Single Chord Girder) or equivalent spaced at 11-5-0 oc max. starting at 1-3-12 from the left end to 13-9-12 to connect truss(es) F213 (1 ply 2x4 SP), F214 (1 ply 2x4 SP) to front face of top chord. 8) Fill all nail holes where hanger is in contact with lumber. 9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B). 							
Uniform Loads (plf) Vert: 19-36 Concentrated Load	(balanced): Lumber Increase=1.00, P) =-10, 1-18=-100	late Increase=1.00	SEAL 28147				

25-350-P12 PEOF 2 1 Job Reference (optional) # 58816 IDDy(GMQCD: 16AASH726H-IRDET) IDD IDD IDD <	Job	Truss	Truss Type		Qty Ply	LOT 0.0024	CAMPBELL RIDGE 81 PINON	DRIVE ANGIER, NC
Base and Pack White industries. Its Act 203 Finds 1.3.12 1.3.12 1.3.12 1.3.12 1.3.12 1.3.12 1.3.12 1.3.12 1.3.12 1.3.12 1.3.12 1.3.12 1.3.12 1.3.12 1.3.12 1.3.12 1.3.12 1.3.12 1.3.12 1.3.12 1.3.12 1.3.12 1.3.12 1.3.12 1.3.12 1.3.12 1.3.12 1.3.12 1.3.12 1.3.12 1.3.12 1.3.12 1.3.12 1.1.12 1.1.12 1.1.12 1.1.12 1.1.12 1.1.12 1.1.12 1.1.12 1.1.12 1.1.12 1.1.12 1.1.12 1.1.12 1.1.12 1.1.12 1.1.12 1.1.12 1.1.12 1.1.12 1.1.12 1.1.12 1.1.12 1.1.12 1.1.12 1.1.12 1.1.12 1.1.12 1.1.12 1.1.12 <td>25-3580-F02</td> <td>F217</td> <td>Floor</td> <td></td> <td>2</td> <td></td> <td>ence (ontional)</td> <td># 58816</td>	25-3580-F02	F217	Floor		2		ence (ontional)	# 58816
$\frac{13-12 + 13.0}{13-12 + 13.0}$ Scale = 13.14 3x4 1 - 3x4 =				ID:vtf		8.630 s Ju	1 12 2024 MiTek Industries, Inc.	Thu Apr 24 14:20:44 2025 Page 1
Scale = 1:31.4 Scale = 1:31.4 Scale = 1:31.4 Scale = 1:33.4 = 3:	1-3-12	1-3-0		-	-		-00:510000000000000000000000000000000000	. –
SA = 34 + 34 + 34 + 153 + 153 + 34 + 34 + 34 + 34 + 153 + 153 + 34 + 34 + 34 + 34 + 34 + 34 + 34 +		1-0-0		<u> </u>				
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1 2 3 4 5 6 7 8 9 10 11 12 12 1 1 22 21 20 19 18 17 16 15 14 13 3x6 = 3x4 = 3x8 = 3x4 = 15x3 15x3 15x3 3x4 = 3x8 = 1 10-3-12 10-3-12 10-3-12 10-3-12 19-4-0 3x8 = 1 3x8 = 3x4 = 15x3 15x3 15x3 3x4 = 3x4 3x8 = 1 10-3-12 10-4-1 10-0 8-0-4 10-0 <td< td=""><td>3x4 3x4 =</td><td></td><td>1.5x3 3x4 =</td><td>3x4 =</td><td>3x4 =</td><td>3x4</td><td>4 = 1.5x3 3x4 =</td><td>3x6 =</td></td<>	3x4 3x4 =		1.5x3 3x4 =	3x4 =	3x4 =	3x4	4 = 1.5x3 3x4 =	3x6 =
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Image: state of the state	2 W1 W2				\square			W1 2
22 21 20 19 18 17 16 15 14 13 3x6 = 3x4 = 3x8 = 3x4 = 1.5x3 1.5x3 3x4 = 3x8 FP= 4x4 = 3x4 Jac Image: 10-3-12 11-3-12 19-4.0 Image: 10-3-12 11-3-12 19-4.0 Back Plate Offsets (X,Y) 11:Edge.0-1-8.Edgel Image: 10-3-12 10-3-12 10-3-12 19-4.0 Image: 10-3-12 10-3-12 10-4.0 10-4.0 Colspan="4">Image: 10-3-12 19-4.0 Image: 10-3-12 10-4.0 10-4.0 10-4.0 10-4.0 10-4.0 10-4.0 10-4.0 Vert(L) -0.28 19 >80.4 MT20 244/190 MT20 244/190 MT20 244/190 Weight: 98 lb FT = 20%F, 11%E IMMBER: TOP CHORD 2x4 SP No.1(flat) Matrix-SH Metrix-SH Metrix-SH Metrix-SH Metrix-SH Weight: 98 lb FT = 20%F, 11%E IMMER: TOP CHORD 2x4 SP No.1(-							
3x6 = 3x4 = 3x8 = 3x4 = 1.5x3 1.5x3 3x4 = 3x8 FP= 4x4 = 3x4 3x8 = 3x8 = 3x4 = 1.5x3 1.5x3 3x4 = 3x8 FP= 4x4 = 3x4 3x8 = 3x8 = 3x4 = 1.5x3 1.5x3 3x4 = 3x8 FP= 4x4 = 3x4 3x8 = 3x8 = 3x4 = 1.5x3 1.5x3 3x4 = 3x8 FP= 4x4 = 3x4 3x8 = 3x8 = 1.5x3 1.5x3 3x4 = 3x8 FP= 4x4 = 3x4 3x8 = 3x8 FP= 4x4 = 3x8 FP= 4x4 = 3x8 FP Plate Offsets (X,Y)- [1:Edge,0-1-8], [7:0-1-8, Edge], [8:0-1-8, Edge] 10-0-1 10-0-1 8-0-4 Plate Offsets (X,Y)- [1:Edge,0-1-8], [7:0-1-8, Edge], [8:0-1-8, Edge] ICO 1.00 TCO 0.1 10-0-2 10-2-8 19 > 8331 480 MT20 244/190 TCDL 10.0 Lumber DOL 1.00 BC 0.85 WB 0.49 Horz(CT) -0.38 19 > 8053 80 HT20 244/190 Weight: 98 lb FT = 20%F, 11%E LU		Ŭ	0	<u> </u>	M	Ŭ	Φ	<u> </u>
Shape Bit Bit Bit	23	22	21 20	19	18	17	16 15	14 13
9-3-12 10-3-12 + 11-3-12 + 1-0-0 19-4-0 9-3-12 1-0-0 1-0-0 8-0-4 Plate Offsets (X,Y)- [1:Edge.0-1-8], [7:0-1-8,Edge] Edge.0-1-8], [7:0-1-8,Edge] Edge.0-1-8], [7:0-1-8,Edge] LOADING (psf) SPACING- 1-4-0 CSI. DEFL. in (loc) I/defl MT20 244/190 TCLL 40.0 Plate Grip DOL 1.00 TC 0.41 Vert(CT) -0.85 Wert(CT) -0.86 MT20 244/190 BCLL 0.0 Rep Stress Incr YES WB 0.49 Horz(CT) 0.06 13 n/a n/a BCDL 5.0 Code IRC2021/TPI2014 Matrix-SH BRACING- TOP CHORD Weight: 98 lb FT = 20%F, 11%E LUMBER- TOP CHORD 2x4 SP No.1(flat) BTO CHORD 2x4 SP No.1(flat) BTO CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. WEBS 2x4 SP No.3(flat) BTO CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. REACTIONS. (lb)- Max. Comp./Max. Ten All forces 250 (lb) or less except when shown.	3x6 =	3x4 =	3x8 = 3x4 =	= 1.5x3	1.5x3	3x4 =	3x8 FP=	4x4 = 3x4
Bit Space 9-3-12 1-0-0 1-0-0 1-0-0 8-0.4 Plate Offsets (X,Y) [1:Edge,0-1-8], [7:0-1-8, Edge], [8:0-1-8, Edge] Image: Space of the state o							3x8 =	
9-3-12 1-0-0 1-0-0 8-0.4 Plate Offsets (X,Y) [1:Edge,0-1-8], [7:0-1-8, Edge], [8:0-1-8, Edge] 8-0.4 LOADING (psf) SPACING- 1-4-0 CSI. DEFL. in (loc) I/deft L/d PLATES GRIP TCLL 40.0 Plate Grip DOL 1.00 TC 0.41 Vert(LL) -0.28 19<>831 480 MT20 244/190 TCDL 10.0 Lumber DOL 1.00 BC 0.85 Vert(CT) -0.38 19<>605 360 MT20 244/190 BCDL 5.0 Code IRC2021/TPI2014 Matrix-SH Vert(CT) -0.38 19<>605 360 Weight: 98 lb FT = 20%F, 11%E LUMBER- 0 Code IRC2021/TPI2014 Matrix-SH DOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. BOT CHORD 2x4 SP No.1(flat) EXA SP No.3(flat) BT CHORD Structural wood sheathing directly applied or 10-0-0 oc bracing. REACTIONS. (lb/size) 23=700/0-3-8 (min. 0-1-8), 13=700/Mechanical FOR CES. GD CHORD <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
9-3-12 1-0-0 1-0-0 8-0.4 Plate Offsets (X,Y) [1:Edge,0-1-8], [7:0-1-8, Edge], [8:0-1-8, Edge] 8-0.4 LOADING (psf) SPACING- 1-4-0 CSI. DEFL. in (loc) 1/defl L/d PLATES GRIP TCLL 40.0 Plate Grip DOL 1.00 TC 0.41 Vert(LL) -0.28 19<>831 480 MT20 244/190 TCDL 10.0 Lumber DOL 1.00 BC 0.85 Vert(CT) -0.38 19<>605 360 MT20 244/190 BCDL 0.0 Rep Stress Incr YES WB 0.49 Horz(CT) 0.06 13 n/a n/a BCDL 5.0 Code IRC2021/TPI2014 Matrix-SH BRACING- OP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. BOT CHORD 2x4 SP No.1(flat) Bracing Bot CHORD Structural wood sheathing directly applied or 10-0-0 oc bracing. REACTIONS. (lb/size) 23=700/0-3-8 (min. 0-1-8), 13=700/Mechanical FORCES. Guid ceiling di								
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9-3-12 1-0-0 1-0-0 8-0.4 Plate Offsets (X,Y) [1:Edge,0-1-8], [7:0-1-8, Edge], [8:0-1-8, Edge] 8-0.4 LOADING (psf) SPACING- 1-4-0 CSI. DEFL. in (loc) //defl L/d PLATES GRIP TCLL 40.0 Plate Grip DOL 1.00 TC 0.41 Vert(LL) -0.28 19<>831 480 MT20 244/190 TCDL 10.0 Lumber DOL 1.00 BC 0.85 Vert(CT) -0.38 19<>605 360 MT20 244/190 BCDL 5.0 Code IRC2021/TPI2014 Matrix-SH Vert(CT) -0.38 19<>605 360 Weight: 98 lb FT = 20%F, 11%E LUMBER- 0 Code IRC2021/TPI2014 Matrix-SH BRACING- Weight: 98 lb FT = 20%F, 11%E WEBS 2x4 SP No.1(flat) BCT CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. REACTIONS. (lb/size) 23=700/0-3-8 (min. 0-1-8), 13=700/Mechanical <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>								
9-3-12 1-0-0 1-0-0 8-0.4 Plate Offsets (X,Y) [1:Edge,0-1-8], [7:0-1-8, Edge], [8:0-1-8, Edge] 8-0.4 LOADING (psf) SPACING- 1-4-0 CSI. DEFL. in (loc) //defl L/d PLATES GRIP TCLL 40.0 Plate Grip DOL 1.00 TC 0.41 Vert(LL) -0.28 19<>831 480 MT20 244/190 TCDL 10.0 Lumber DOL 1.00 BC 0.85 Vert(CT) -0.38 19<>605 360 MT20 244/190 BCDL 5.0 Code IRC2021/TPI2014 Matrix-SH Vert(CT) -0.38 19<>605 360 Weight: 98 lb FT = 20%F, 11%E LUMBER- 0 Code IRC2021/TPI2014 Matrix-SH BRACING- Weight: 98 lb FT = 20%F, 11%E WEBS 2x4 SP No.1(flat) BCT CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. REACTIONS. (lb/size) 23=700/0-3-8 (min. 0-1-8), 13=700/Mechanical <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>								
Plate Offsets (X,Y) [1:Edge,0-1-8], [7:0-1-8, Edge], [8:0-1-8, Edge] LOADING (psf) TCLL 40.0 TCLL 40.0 TCDL 10.0 BCL 0.0 BCL 0.0 BCL 5.0 SPACING- Plate Grip DOL 1.00 Lumber DOL 1.00 Code IRC2021/TPI2014 CSI. TC 0.41 Matrix-SH DEFL. Vert(LL) -0.28 19 >831 480 Vert(CT) -0.38 19 >605 360 Horz(CT) 0.06 13 n/a n/a PLATES MT20 GRIP MT20 LUMBER- TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(flat) WEBS Code IRC2021/TPI2014 Matrix-SH DEFL. Vert(CT) in (loc) I/defl L/d Vert(CT) MT20 244/190 REACTIONS. (lb/size) 23=700/0-3-8 (min. 0-1-8), 13=700/Mechanical BRACING- TOP CHORD Structural wood sheathing directly applied or 10-0-0 oc bracing. BRACING- TOP CHORD FORCES. (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. Bit or less except when shown. Bit or less except when shown.	 			+ 10-3-12 +	11-3-12			
TCLL 40.0 Plate Grip DOL 1.00 TC 0.41 Vert(LL) -0.28 19 >831 480 MT20 244/190 TCDL 10.0 Lumber DOL 1.00 BC 0.85 WB 0.49 Vert(CT) -0.38 19 >605 360 Weight: 98 lb FT = 20%F, 11%E LUMBER- Code IRC2021/TPI2014 Matrix-SH BRACING- TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. BRACING- BOT CHORD 2x4 SP No.1(flat) 23=700/0-3-8 (min. 0-1-8), 13=700/Mechanical BTOP CHORD Structural wood sheathing directly applied or 10-0-0 oc bracing. REACTIONS. (lb/size) 23=700/0-3-8 (min. 0-1-8), 13=700/Mechanical FORCES. (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown.	Plate Offsets (X,Y) [1-0-0	1-0-0		0-0-4	
TCLL 40.0 Plate Grip DOL 1.00 TC 0.41 Vert(LL) -0.28 19 >831 480 MT20 244/190 TCDL 10.0 Lumber DOL 1.00 BC 0.85 WB 0.49 Vert(CT) -0.38 19 >605 360 Weight: 98 lb FT = 20%F, 11%E LUMBER- Code IRC2021/TPI2014 Matrix-SH BRACING- TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. BRACING- BOT CHORD 2x4 SP No.1(flat) 23=700/0-3-8 (min. 0-1-8), 13=700/Mechanical BTOP CHORD Structural wood sheathing directly applied or 10-0-0 oc bracing. REACTIONS. (lb/size) 23=700/0-3-8 (min. 0-1-8), 13=700/Mechanical FORCES. (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown.			4.0 00	DEEL	in (la			
TCDL 10.0 Lumber DOL 1.00 BC 0.85 Vert(CT) -0.38 19 >605 360 Weight: 98 lb FT = 20%F, 11%E BCDL 5.0 Code IRC2021/TPI2014 Matrix-SH Weight: 98 lb FT = 20%F, 11%E LUMBER- TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(flat) BRACING- TOP CHORD 2x4 SP No.1(flat) Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. BRACING- TOP CHORD WEBS 2x4 SP No.3(flat) BT CHORD Structural wood sheathing directly applied or 10-0-0 oc bracing. REACTIONS. (lb/size) 23=700/0-3-8 (min. 0-1-8), 13=700/Mechanical BT CHORD FORCES. (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. Structural wood sheathing directly applied or 10-0-0 oc bracing.								
BCDL 5.0 Code IRC2021/TPI2014 Matrix-SH Weight: 98 lb FT = 20%F, 11%E LUMBER- TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(flat) WEBS BRACING- TOP CHORD TOP CHORD 2x4 SP No.3(flat) Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. BOT CHORD BRACING- TOP CHORD REACTIONS. (lb/size) 23=700/0-3-8 (min. 0-1-8), 13=700/Mechanical BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. FORCES. (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. Except when shown. Except when shown.	TCDL 10.0	Lumber DOL	.00 BC 0.85	Vert	CT) -0.38	19 >605 3		210,000
LUMBER- TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(flat) WEBS 2x4 SP No.3(flat) BRACING- TOP CHORD 2x4 SP No.1(flat) WEBS 2x4 SP No.3(flat) REACTIONS. (lb/size) 23=700/0-3-8 (min. 0-1-8), 13=700/Mechanical FORCES. (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown.				Horz(CT) 0.06	13 n/a r		
TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(flat) WEBS TOP CHORD 2x4 SP No.1(flat) 2x4 SP No.3(flat) Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. BOT CHORD Structural wood sheathing directly applied or 10-0-0 oc bracing. REACTIONS. (lb/size) 23=700/0-3-8 (min. 0-1-8), 13=700/Mechanical BOT CHORD Structural wood sheathing directly applied or 10-0-0 oc bracing. FORCES. (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. Structural wood sheathing directly applied or 10-0-0 oc bracing.	BCDL 5.0		014 Matrix-SH				vveight: 98	FI = 20%F, 11%E
BOT CHORD 2x4 SP No.1(flat) end verticals. WEBS 2x4 SP No.3(flat) BOT CHORD REACTIONS. (lb/size) 23=700/0-3-8 (min. 0-1-8), 13=700/Mechanical FORCES. (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown.								
WEBS 2x4 SP No.3(flat) BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. REACTIONS. (lb/size) 23=700/0-3-8 (min. 0-1-8), 13=700/Mechanical Rigid ceiling directly applied or 10-0-0 oc bracing. FORCES. (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. Rigid ceiling directly applied or 10-0-0 oc bracing.				TOP			neathing directly applied or	6-0-0 oc purlins, except
REACTIONS. (lb/size) 23=700/0-3-8 (min. 0-1-8), 13=700/Mechanical FORCES. (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown.				BOT			llv applied or 10-0-0 oc bra	cina.
FORCES. (Ib) - Max. Comp./Max. Ten All forces 250 (Ib) or less except when shown.						5 5	, , , , , , , , , , , , , , , , , , , ,	U U
	REACTIONS. (lb/size) 23=700/0-3-8 (min. 0-1	-8), 13=700/Mechanical					
TOP CHORD 12-13=-695/0 2-3=-1526/0 3-4=-1526/0 4-5=-2543/0 5-6=-2543/0 6-7=-3063/0 7-8=-3166/0 8-9=-2850/0								

TOP CHORD 12-13=-695/0, 2-3=-1526/0, 3-4=-1526/0, 4-5=-2543/0, 5-6=-2543/0, 6-7=-3063/0, 7-8=-3166/0, 8-9=-2850/0,

- 9-10=-2099/0, 10-11=-2099/0, 11-12=-832/0
- BOT CHORD 22-23=0/913, 21-22=0/2115, 20-21=0/2914, 19-20=0/3166, 18-19=0/3166, 17-18=0/3166, 16-17=0/2569, 15-16=0/1563, 14-15=0/1563
- WEBS 7-20=-374/122, 6-20=0/309, 6-21=-473/0, 4-21=0/546, 4-22=-767/0, 2-22=0/798, 2-23=-1127/0, 8-17=-558/0, 9-17=0/426, 9-16=-600/0, 11-16=0/685, 11-14=-951/0, 12-14=0/1039

NOTES- (4)

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

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

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

LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty Ply	LOT 0.0024 CAMPBELL I	RIDGE 81 PINON DRIVE ANGIER, NC
25-3580-F02	F218	Floor	10	1 Job Reference (option	al) # 58816
			ID:ytGMqQQL1eAASh?2e	8.630 s Jul 12 2024 MiT eHuR6lzvVAY-ZDZTaGX7bI	ek Industries, Inc. Thu Apr 24 14:20:45 2025 Page 1 PJRIDGYmYSjKDgeHAJM1oXR3V23bMzNV_0
1-3-12 1	-3-0	 	2-0-0		<u>1-3-10</u> -1-8
					Scale = 1:33.7
	3x4 = 1.5x3	11			1.5x3
3x4 4x4 = 1 2	3x8 FP= 3 4 5	3x4 = 3x4 = 6	3x4 =		x4 = 4x4 = 1.5x3 = 11 12 13
। निर्म			о <u>т</u> 2		
24		1 ¹⁶⁴ 1 19	9 101	<u>_</u>	
24 ³ 3x6 =	23 22 4x4 = 3x8 =	21 20 = 3x4 = 1.5x3	19 18 1.5x3 3x4 =	17 16 3x8 MT20HS	15 14 SFP= 4x4 = 6x6
				3x8 =	
L	9-3-12		12 ₁ 11-3-12 ₁	20-7-6	
Plate Offsets (X,Y) [9-3-12 1:Edge,0-1-8], [7:0-1-8,Edge]	, [8:0-1-8,Edge]	0 1-0-0	9-3-10	· · · · · · · · · · · · · · · · · · ·
LOADING (psf)	SPACING- 1-7-	-	DEFL. in (loc		PLATES GRIP
TCLL 40.0 TCDL 10.0	Plate Grip DOL 1.0 Lumber DOL 1.0	D BC 0.99	Vert(LL) -0.40 19-2 Vert(CT) -0.55 19-2	20 >446 360	MT20 244/190 MT20HS 187/143
BCLL 0.0 BCDL 5.0	Rep Stress Incr YES Code IRC2021/TPI201		Horz(CT) 0.09 1	4 n/a n/a	Weight: 104 lb FT = 20%F, 11%E
LUMBER-			BRACING-		
TOP CHORD 2x4 SP BOT CHORD 2x4 SP				ictural wood sheathing dir verticals.	ectly applied or 6-0-0 oc purlins, except
WEBS 2x4 SP	No.3(flat)		BOT CHORD Rigi	d ceiling directly applied o	or 2-2-0 oc bracing.
REACTIONS. (lb/size) 24=895/0-3-8 (min. 0-1-8)	, 14=890/0-5-2 (min. 0-1-8)			
		250 (lb) or less except when show 36/0, 5-6=-3336/0, 6-7=-4095/0, 7		9-10=-3331/0,	
10-11:	3331/0, 11-12=-1967/0	2=0/3837, 20-21=0/4345, 19-20=0	, , ,	,	3.
15-16	=0/2743, 14-15=0/1164	40/0 3-22=0/749 3-23=-1008/0			- ,

WEBS 7-21=-585/65, 6-21=0/458, 6-22=-640/0, 3-22=0/749, 3-23=-1008/0, 2-23=0/1044, 2-24=-1447/0, 8-18=-586/63, 9-18=0/459, 9-17=-641/0, 11-17=0/751, 11-15=-1010/0, 12-15=0/1046, 12-14=-1438/0

NOTES- (5)

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

2) All plates are MT20 plates unless otherwise indicated.

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

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

4) CAUTION, Do not erect truss backwards.

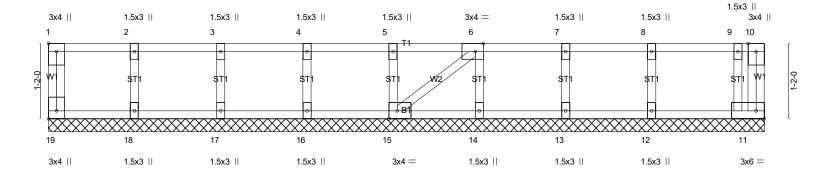
LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	LOT 0.0024 CAMPBELL RIDGE 81 PINON DRIVE ANGIER, NC
25-3580-F02	F219	Floor Supported Gable	1	1	Job Reference (optional) # 58816

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 14:20:45 2025 Page 1 ID:ytGMqQQL1eAASh?2eHuR6lzvVAY-ZDZTaGX7bPJRIDGYmYSjKDgmXAYh1vwR3V23bMzNV_0

Scale = 1:17.8



L			11-0-14				
			11-0-14				
Plate Offsets (X,Y)	[1:Edge,0-1-8], [6:0-1-8,Edge], [15:0-	1-8,Edge], [19:Edge,0-1-8	3]				
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 0.05 BC 0.01 WB 0.03 Matrix-SH	DEFL. ir Vert(LL) n/a Vert(CT) n/a Horz(CT) 0.00	a -	l/defl L/d n/a 999 n/a 999 n/a n/a	PLATES MT20 Weight: 52 lb	GRIP 244/190 FT = 20%F, 11%E
			BRACING- TOP CHORD BOT CHORD	end ve	erticals.	g directly applied or 6- ied or 10-0-0 oc bracir	0-0 oc purlins, except Ig.

REACTIONS. All bearings 11-0-14.

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

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

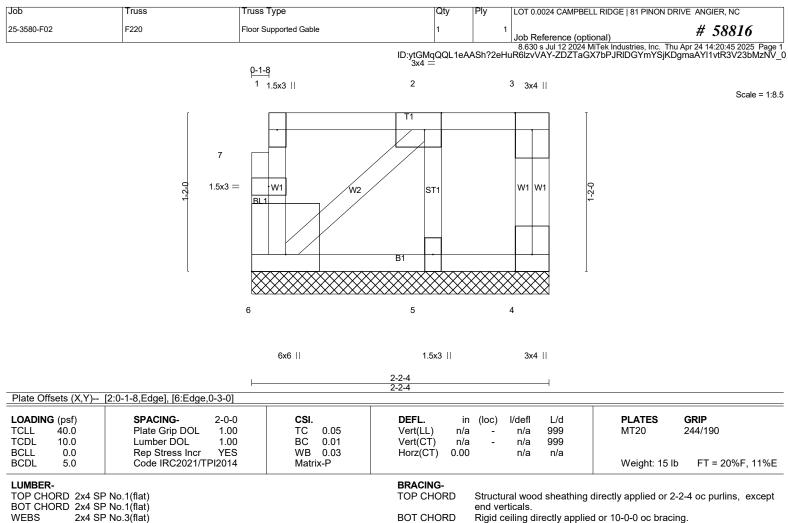
NOTES- (5-8)

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 bracing representation does not depict the size, type or the orientation of the brace on the member. 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.
- 7) Web bracing shown is for lateral support of individual web members only. Refer to BCSI Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
 8) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED
- 8) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard





WEBS2x4 SP No.3(flat)OTHERS2x4 SP No.3(flat)

REACTIONS. (lb/size) 4=22/2-2-4 (min. 0-1-8), 6=49/2-2-4 (min. 0-1-8), 5=136/2-2-4 (min. 0-1-8)

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

NOTES- (6)

1) Gable requires continuous bottom chord bearing.

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

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

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

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

5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

