

# 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 #: 58886

JOB: 25-3719-F02

JOB NAME: LOT 0.0019 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.

*19 Truss Design(s)*

Trusses:

F201, F202, F203, F205, F206, F207, F207A, F208, F209, F210, F211, F212, F213, F214, F216, F217, F218, F218A, F219



**4/25/2025**

**Mark Morris**

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

***Warning !—Verify design parameters and read notes before use.***

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0019 CAMPBELL RIDGE   187 ALDEN WAY ANGIER, NC
25-3719-F02	F201	Floor Supported Gable	1	1	Job Reference (optional) # 58886

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Sat Apr 26 17:31:36 2025 Page 1  
ID:6SrUsNRKh5asUkfHKHR8skysYGD-vP0XxYNGCD7ckbkU8I3EWGHY6s9rss3aWp7J\_OzMo75

0-1-8

0-3-4

Scale = 1:26.5

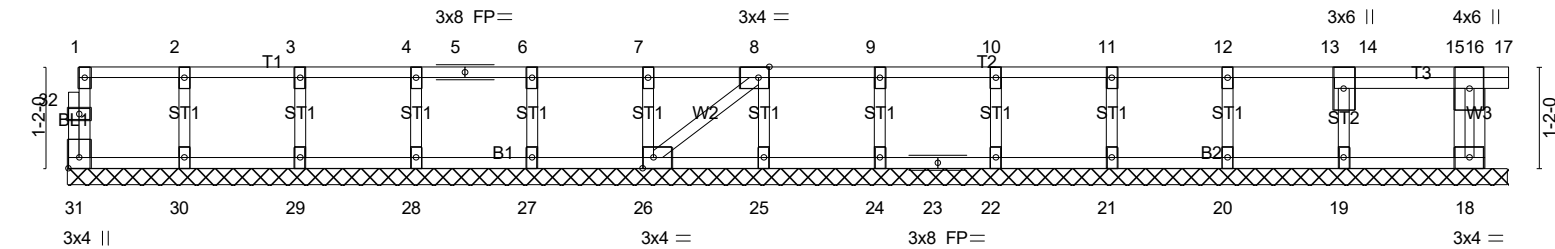


Plate Offsets (X,Y)--	[8:0-1-8,Edge], [26:0-1-8,Edge], [31:Edge,0-1-8]	16-3-8 16-3-8	16-6-12 0-3-4
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LOADING (psf)	SPACING-	2-0-0	CSL	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.06	Vert(LL)	0.00	16	n/r	180	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.01	Vert(CT)	0.00	16	n/r	80		
BCLL 0.0	Rep Stress Incr	YES	WB 0.03	Horz(CT)	0.00	18	n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH							
									Weight: 74 lb	FT = 20%F, 11%E

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	
OTHERS 2x4 SP No.3(flat)	

**REACTIONS.** All bearings 16-6-12.  
(lb) - Max Grav All reactions 250 lb or less at joint(s) 31, 18, 30, 29, 28, 27, 26, 25, 24, 22, 21, 20, 19

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

- NOTES-** (7-8)
- 1) All plates are 1.5x3 MT20 unless otherwise indicated.
  - 2) Gable requires continuous bottom chord bearing.
  - 3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
  - 4) Gable studs spaced at 1-4-0 oc.
  - 5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
  - 6) CAUTION, Do not erect truss backwards.
  - 7) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
  - 8) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

**LOAD CASE(S)** Standard

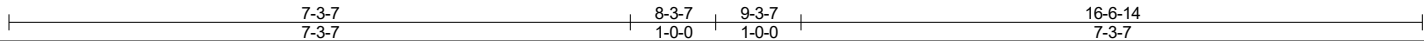


4/25/2025

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Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Sat Apr 26 17:31:37 2025 Page 1  
ID:6SrUsNRKh5asUkfHKHR8skysYGd-Obav9uOuzXFTMJgiTaT2Uq2XGLJbDkjiTtWrzMo?4

0-7-15  
Scale = 1:27.0



<b>LUMBER-</b>		<b>BRACING-</b>	
TOP CHORD	2x4 SP No.1(flat)	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.1(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3(flat)		
<b>REACTIONS.</b> (lb/size) 20=713/0-3-6 (min. 0-1-8), 10=718/0-3-8 (min. 0-1-8)			
<b>FORCES.</b> (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.			
TOP CHORD	20-21=-713/0, 1-21=-712/0, 9-10=-716/0, 1-2=-495/0, 2-3=-1784/0, 3-4=-1784/0, 4-5=-2539/0, 5-6=-2786/0, 6-7=-2539/0, 7-8=-1784/0, 8-9=-493/0		
BOT CHORD	18-19=0/1257, 17-18=0/2286, 16-17=0/2786, 15-16=0/2786, 14-15=0/2786, 13-14=0/2286, 12-13=0/2286, 11-12=0/1258		
WEBS	5-17=-491/0, 4-17=0/394, 4-18=-654/0, 2-18=0/686, 2-19=-992/0, 1-19=0/793, 6-14=-491/0, 7-14=0/394, 7-12=-653/0, 8-12=0/685, 8-11=-996/0, 9-11=0/819		

LOAD CASE(S) Standard



4/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0019 CAMPBELL RIDGE   187 ALDEN WAY ANGIER, NC
25-3719-F02	F203	Floor	10	1	
					Job Reference (optional) # 58886

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Sat Apr 26 17:31:37 2025 Page 1  
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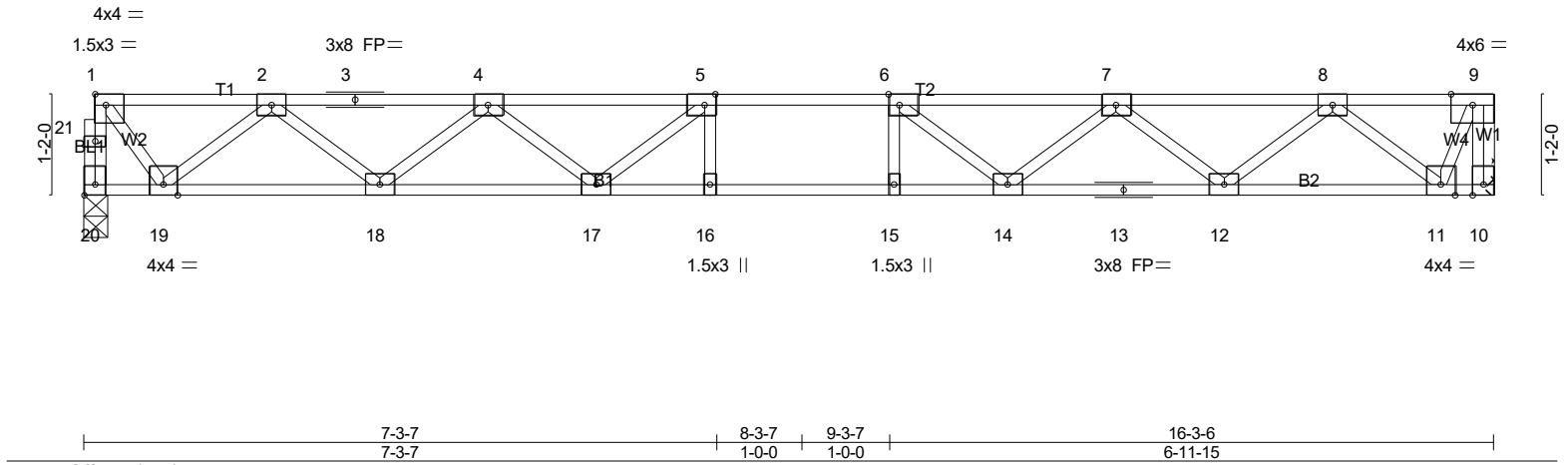
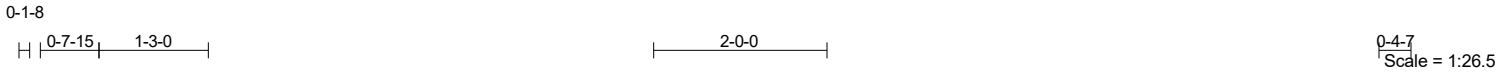


Plate Offsets (X,Y)--		[1:Edge,0-1-8], [5:0-1-8,Edge], [6:0-1-8,Edge], [20:Edge,0-1-8]	
<b>LOADING</b> (psf)	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL.</b>
TCLL 40.0	1-7-3	TC 0.34	in (loc) l/defl L/d
TCDL 10.0	Plate Grip DOL 1.00	BC 0.71	Vert(LL) -0.16 16 >999 480
BCLL 0.0	Lumber DOL 1.00	WB 0.37	Vert(CT) -0.22 15-16 >873 360
BCDL 5.0	Rep Stress Incr YES	Matrix-SH	Horz(CT) 0.04 10 n/a n/a
Code IRC2021/TPI2014			
			<b>PLATES</b> MT20
			<b>GRIP</b> 244/190
			Weight: 82 lb FT = 20%F, 11%E

<b>LUMBER-</b>	<b>BRACING-</b>
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	

**REACTIONS.** (lb/size) 20=700/0-3-6 (min. 0-1-8), 10=705/Mechanical

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

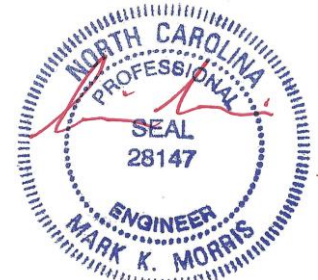
TOP CHORD 20-21=-700/0, 1-21=-699/0, 9-10=-706/0, 1-2=-485/0, 2-3=-1744/0, 3-4=-1744/0, 4-5=-2468/0, 5-6=-2686/0, 6-7=-2411/0, 7-8=-1623/0, 8-9=-311/0

BOT CHORD 18-19=0/1231, 17-18=0/2233, 16-17=0/2686, 15-16=0/2686, 14-15=0/2686, 13-14=0/2141, 12-13=0/2141, 11-12=0/1079

WEBS 5-17=-459/0, 4-17=0/374, 4-18=-636/0, 2-18=0/667, 2-19=-971/0, 1-19=0/777, 6-14=-509/0, 7-14=0/406, 7-12=-674/0, 8-12=0/709, 8-11=-999/0, 9-11=0/725

- NOTES-** (6-7)
- 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.
  - 5) CAUTION, Do not erect truss backwards.
  - 6) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
  - 7) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

**LOAD CASE(S)** Standard

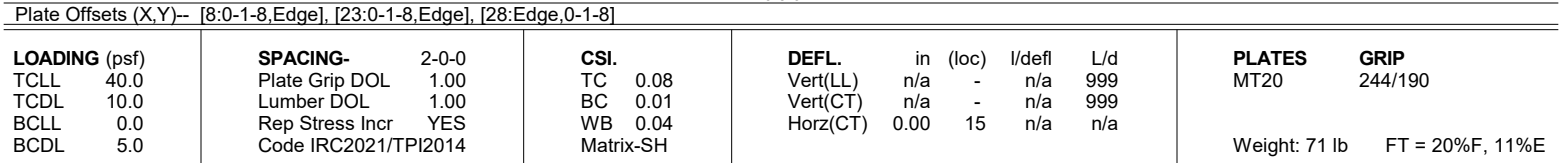


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ID:6SrUsNRKh5asUkfhKHR8skysYGd-so8lMEPWkrNKzvusGA5ibhNHfqqJKmVt\_7cQ3HzMo?3

Scale = 1:26.5



<b>BRACING-</b>	
<b>TOP CHORD</b>	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
<b>BOT CHORD</b>	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.

LOAD CASE(S) Standard



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ID:6SrUsNRKh5asUkfHKHR8skysYGd-so8IMEPWkrNKzvusGA5ibhNiZgqLKmZt 7cQ3HzMo?3

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.1(flat)	TOP CHORD	Structural wood sheathing directly applied or 10-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.1(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3(flat)		
OTHERS	2x4 SP No.3(flat)		

**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 on one face or securely braced against lateral movement (i.e. diagonal web).
- 4) Gable studs spaced at 1-4-0 oc.
- 5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
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A circular professional engineer seal for the State of North Carolina. The outer ring contains the text "NORTH CAROLINA" at the top and "ENGINEER" at the bottom. Inside the ring, the word "PROFESSIONAL" is arched over the word "SEAL". Below "SEAL" is the number "28147". The name "MARK K. MORRIS" is printed at the bottom of the seal. A red ink signature is written across the seal, overlapping the "PROFESSIONAL" and "SEAL" text.

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Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Sat Apr 26 17:31:39 2025 Page 1  
ID:6SrUsNRKh5asUkfHKHR8skysYGd-K igZZQ8V8VBb3T2gtcx8vvNj4zY36b0CnM bjzMo?2Q

0-3-12

Technical drawing of a bridge structure, showing a side elevation and a plan view.

**Side Elevation (Top):**

- Span length: 24m (indicated by a dimension line).
- Bridge width: 12.0m (indicated by a dimension line).
- Structural components labeled: T1, T2, B1, B2.
- Material specifications: 1.5x3 ||, 4x4 =, 3x8 FP=, 3x8 MT20HS FP=, 4x6 =.

**Plan View (Bottom):**

- Span length: 24m (indicated by a dimension line).
- Bridge width: 12.0m (indicated by a dimension line).
- Structural components labeled: T1, T2, B1, B2.
- Material specifications: 1.5x3 ||, 4x4 =, 3x8 FP=, 3x8 MT20HS FP=, 4x6 =.

<b>LOADING</b> (psf)	<b>SPACING-</b> 1-7-3	<b>CSI.</b>	<b>DEFL.</b> in (loc)	l/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 40.0	Plate Grip DOL 1.00	TC 0.42	Vert(LL) -0.27 19-20	>829	480	MT20	244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.84	Vert(CT) -0.37 19-20	>601	360	MT20HS	187/143
BCLL 0.0	Rep Stress Incr YES	WB 0.49	Horz(CT) 0.06 14	n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH				Weight: 97 lb	FT = 20%F, 11%E

**REACTIONS.** (lb/size) 24=808/0-3-8 (min. 0-1-8), 14=808/0-3-8 (min. 0-1-8)

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

**TOP CHORD** 2-3=-1161/0, 3-4=-2525/0, 4-5=-2525/0, 5-6=-2525/0, 6-7=-3284/0, 7-8=-3536/0, 8-9=-3284/0, 9-10=-2525/0, 10-11=-2525/0, 11-12=-1161/0

**BOT CHORD** 23-24=0/365, 22-23=0/1935, 21-22=0/3026, 20-21=0/3536, 19-20=0/3536, 18-19=0/3536, 17-18=0/3026, 16-17=0/3026, 15-16=0/1935, 14-15=0/365

**WEBS** 7-21=-541/19, 6-21=0/429, 6-22=-640/0, 3-22=0/753, 3-23=-1007/0, 2-23=0/1036, 2-24=-943/0, 8-18=-541/19, 9-18=0/429, 9-16=-640/0, 11-16=0/753, 11-15=-1007/0, 12-15=0/1036, 12-14=-943/0

**NOTES-** (5-6)

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are MT20 plates unless otherwise indicated.
- 3) All plates are 3x4 MT20 unless otherwise indicated.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 5) 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.
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LOAD CASE(S) Standard

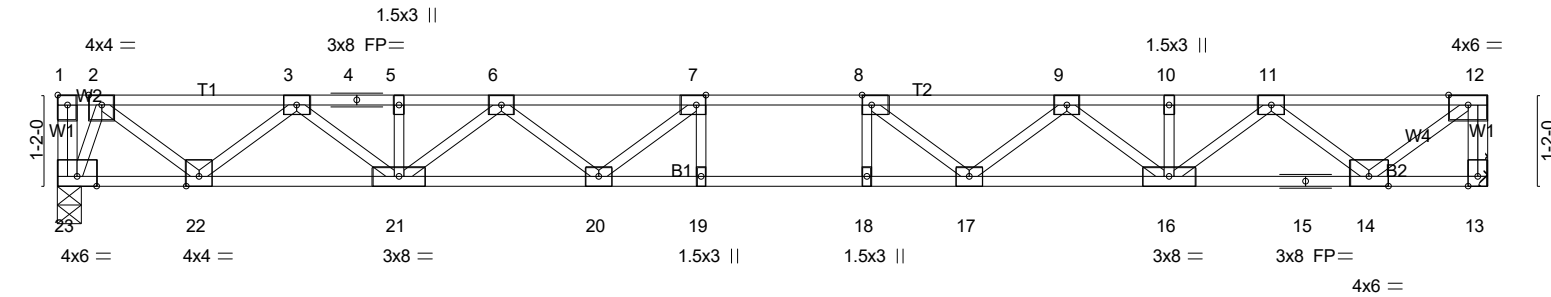
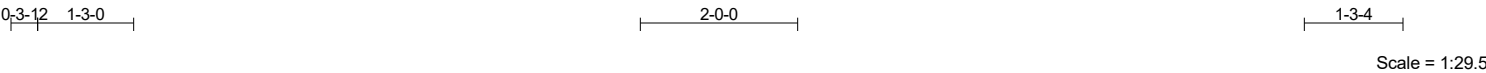


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Job	Truss	Truss Type	Qty	Ply	LOT 0.0019 CAMPBELL RIDGE   187 ALDEN WAY ANGIER, NC
25-3719-F02	F207A	Floor	1	1	Job Reference (optional) # 58886

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Sat Apr 26 17:31:39 2025 Page 1  
ID:6SrUsNRKh5asUkfHKHR8skysYGd-K\_igZZQ8V8VBb3T2qtcx8vvNg4zP35a0CnM\_bjzMo?2



8-3-12	9-3-12	10-3-12	18-4-0
8-3-12	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]							
<b>LOADING</b> (psf)		<b>SPACING-</b>	1-7-3	<b>CSI.</b>	<b>DEFL.</b>	in (loc)	<b>PLATES</b>
TCLL	40.0	Plate Grip DOL	1.00	TC	0.42		MT20
TCDL	10.0	Lumber DOL	1.00	BC	0.85		GRIP
BCLL	0.0	Rep Stress Incr	YES	WB	0.56		244/190
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH			
							Weight: 95 lb FT = 20%F, 11%E

<b>LUMBER-</b>	<b>BRACING-</b>
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (lb/size) 23=795/0-3-8 (min. 0-1-8), 13=795/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 12-13=-789/0, 2-3=-1140/0, 3-4=-2472/0, 4-5=-2472/0, 5-6=-2472/0, 6-7=-3200/0, 7-8=-3423/0, 8-9=-3143/0, 9-10=-2349/0, 10-11=-2349/0, 11-12=-940/0  
BOT CHORD 22-23=0/360, 21-22=0/1899, 20-21=0/2960, 19-20=0/3423, 18-19=0/3423, 17-18=0/3423, 16-17=0/2867, 15-16=0/1763, 14-15=0/1763  
WEBS 7-20=-509/37, 6-20=0/409, 6-21=-623/0, 3-21=0/732, 3-22=-987/0, 2-22=0/1016, 2-23=-929/0, 8-17=-559/0, 9-17=0/441, 9-16=-662/0, 11-16=0/747, 11-14=-1071/0, 12-14=0/1173

- NOTES- (5-6)
- 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.
  - 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



4/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0019 CAMPBELL RIDGE   187 ALDEN WAY ANGIER, NC
25-3719-F02	F208	Floor	4	1	
					Job Reference (optional) # 58886

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Sat Apr 26 17:31:40 2025 Page 1  
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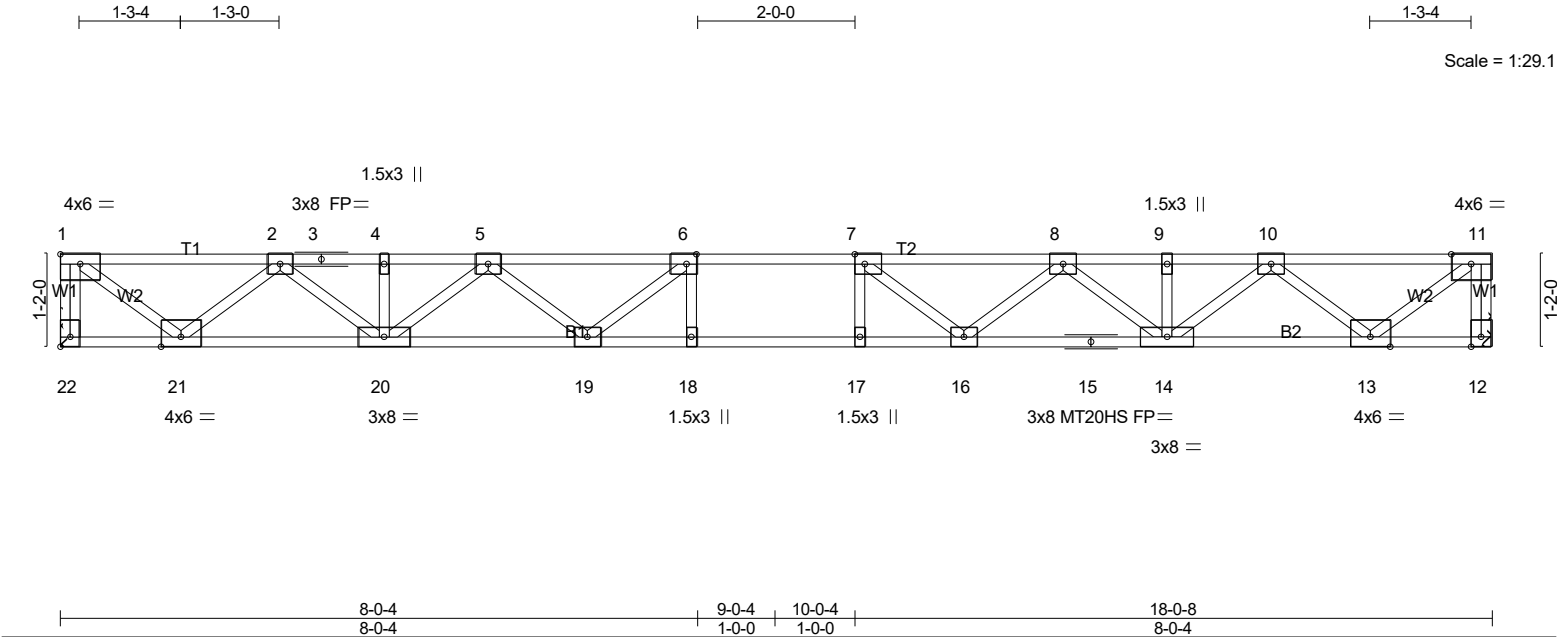


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [6:0-1-8,Edge], [7:0-1-8,Edge], [22:Edge,0-1-8]							
LOADING (psf)		SPACING-		CSI.		DEFL.	
TCLL 40.0		1-7-3		TC 0.39		in (loc) l/defl L/d	
TCDL 10.0		Plate Grip DOL 1.00		BC 0.80		Vert(LL) -0.24 17-18 >905 480	
BCLL 0.0		Lumber DOL 1.00		WB 0.55		Vert(CT) -0.33 17-18 >656 360	
BCDL 5.0		Rep Stress Incr YES		Matrix-SH		Horz(CT) 0.06 12 n/a n/a	
		Code IRC2021/TPI2014				PLATES GRIP	
						MT20 244/190	
						MT20HS 187/143	
						Weight: 92 lb FT = 20%F, 11%E	

<b>LUMBER-</b>		<b>BRACING-</b>	
TOP CHORD	2x4 SP No.1(flat)	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.1(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3(flat)		
<b>REACTIONS.</b> (lb/size) 22=782/Mechanical, 12=782/Mechanical			

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD 1-22=-777/0, 11-12=-777/0, 1-2=-923/0, 2-3=-2299/0, 3-4=-2299/0, 4-5=-2299/0, 5-6=-3063/0, 6-7=-3314/0, 7-8=-3063/0, 8-9=-2299/0, 9-10=-2299/0, 10-11=-923/0	
BOT CHORD 20-21=0/1731, 19-20=0/2805, 18-19=0/3314, 17-18=0/3314, 16-17=0/3314, 15-16=0/2805, 14-15=0/2805, 13-14=0/1731	
WEBS 6-19=-528/6, 5-19=0/420, 5-20=-646/0, 2-20=0/726, 2-21=-1051/0, 1-21=0/1152, 7-16=-528/6, 8-16=0/420, 8-14=-646/0, 10-14=0/726, 10-13=-1051/0, 11-13=0/1152	

- NOTES- (6-7)
- 1) Unbalanced floor live loads have been considered for this design.
  - 2) All plates are MT20 plates unless otherwise indicated.
  - 3) All plates are 3x4 MT20 unless otherwise indicated.
  - 4) Refer to girder(s) for truss to truss connections.
  - 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



4/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0019 CAMPBELL RIDGE   187 ALDEN WAY ANGIER, NC
25-3719-F02	F209	Floor	1	1	Job Reference (optional) # 58886

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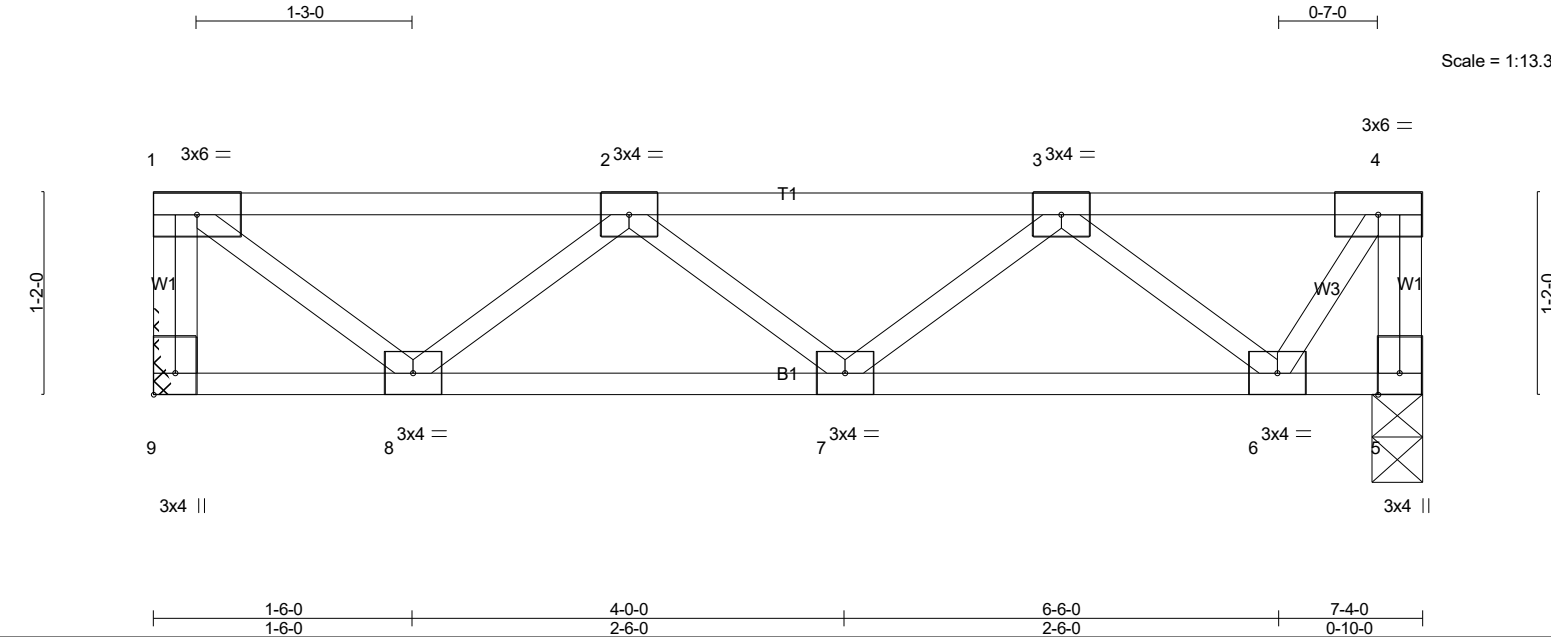


Plate Offsets (X,Y)-- [9:Edge,0-1-8]		1-6-0		4-0-0		6-6-0		7-4-0	
		1-6-0		2-6-0		2-6-0		0-10-0	
LOADING (psf)	SPACING-	1-7-3		CSI.		DEFL.		PLATES	
TCLL 40.0	Plate Grip DOL	1.00		TC 0.22		in (loc) l/defl L/d		MT20	
TCDL 10.0	Lumber DOL	1.00		BC 0.11		Vert(LL) -0.01 7 >999 480		GRIP	
BCLL 0.0	Rep Stress Incr	YES		WB 0.18		Vert(CT) -0.01 7 >999 360		244/190	
BCDL 5.0	Code IRC2021/TPI2014			Matrix-P		Horz(CT) 0.00 5 n/a n/a		Weight: 40 lb FT = 20%F, 11%E	

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (lb/size) 9=311/Mechanical, 5=311/0-3-8 (min. 0-1-8)

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

TOP CHORD 1-9=-307/0, 4-5=-312/0, 1-2=-295/0, 2-3=-510/0

BOT CHORD 7-8=0/543, 6-7=0/453

WEBS 1-8=0/370, 2-8=-323/0, 3-6=-367/0, 4-6=0/304

NOTES- (3-4)

- 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) 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.
- 4) 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

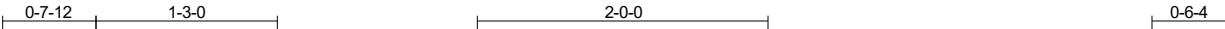


4/25/2025

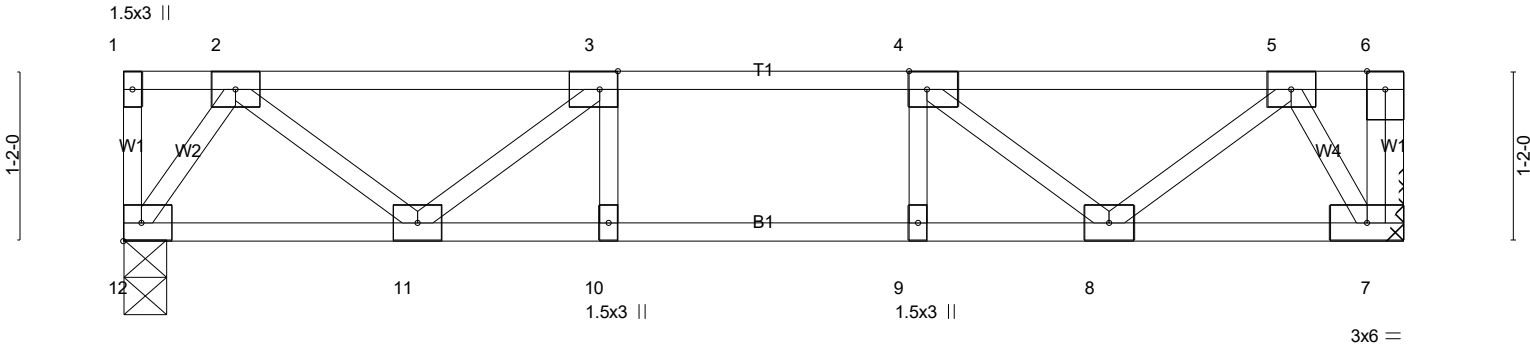
**Warning !—Verify design parameters and read notes before use.** This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building 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.

Job	Truss	Truss Type	Qty	Ply	LOT 0.0019 CAMPBELL RIDGE   187 ALDEN WAY ANGIER, NC
25-3719-F02	F210	Floor	6	1	
					Job Reference (optional) # 58886

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Scale = 1:15.8



3-4-12	4-4-12	5-4-12	8-9-8
3-4-12	1-0-0	1-0-0	3-4-12

Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge]

LOADING (psf)	SPACING-	1-7-3	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.18	Vert(LL)	-0.03	10	>999	480	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.26	Vert(CT)	-0.04	10	>999	360		
BCLL 0.0	Rep Stress Incr	YES	WB 0.16	Horz(CT)	0.01	7	n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH							
									Weight: 45 lb	FT = 20%F, 11%E

<b>LUMBER-</b>	<b>BRACING-</b>
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	

**REACTIONS.** (lb/size) 7=378/Mechanical, 12=378/0-3-8 (min. 0-1-8)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-3=-522/0, 3-4=-767/0, 4-5=-510/0  
BOT CHORD 11-12=0/269, 10-11=0/767, 9-10=0/767, 8-9=0/767  
WEBS 3-11=-319/0, 2-11=0/329, 2-12=-478/0, 4-8=-331/0, 5-8=0/339, 5-7=-473/0

- NOTES-** (5-6)
- 1) Unbalanced floor live loads have been considered for this design.
  - 2) All plates are 3x4 MT20 unless otherwise indicated.
  - 3) 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.
  - 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



4/25/2025

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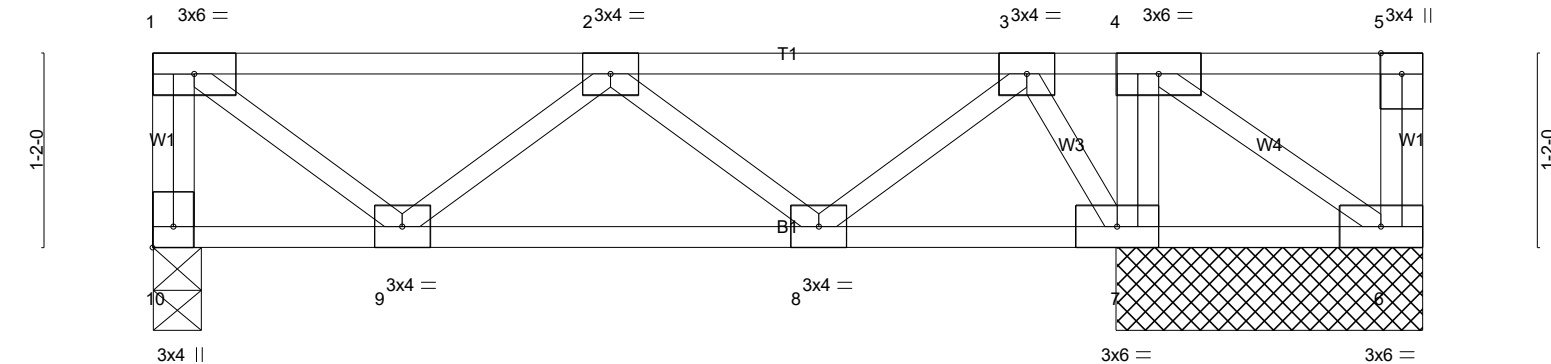
Job	Truss	Truss Type	Qty	Ply	LOT 0.0019 CAMPBELL RIDGE   187 ALDEN WAY ANGIER, NC
25-3719-F02	F211	Floor	1	1	

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ID:6SrUsNRKh5asUkfHKHR8skysYGd-GNpQ\_FRO1mlvqMcRxIfPDK?mFtrX64Jg5r4fczMo?0

Job Reference (optional) # 58886



Scale = 1:13.8



1-6-0	4-0-0	5-9-8	5-11-0	7-4-8	7-7-8
1-6-0	2-6-0	1-9-8	0-1-8	1-5-8	0-3-0

Plate Offsets (X,Y)-- [10:Edge,0-1-8]

LOADING (psf)	SPACING-	1-7-3	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.22	Vert(LL)	-0.00	9	>999	480	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.08	Vert(CT)	-0.01	8-9	>999	360		
BCLL 0.0	Rep Stress Incr	YES	WB 0.11	Horz(CT)	0.00	7	n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-P							
									Weight: 44 lb	FT = 20%F, 11%E

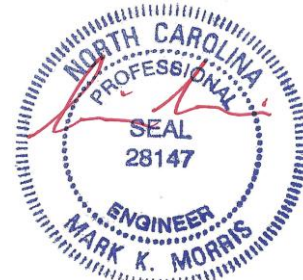
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 6-7.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (lb/size) 10=227/0-3-8 (min. 0-1-8), 6=-32/1-10-0 (min. 0-1-8), 7=454/1-10-0 (min. 0-1-8)  
Max Uplift6=-32(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
BOT CHORD 8-9=0/332  
WEBS 3-7=-307/0

- NOTES- (4-5)
- 1) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 32 lb uplift at joint 6.
  - 2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
  - 3) CAUTION, Do not erect truss backwards.
  - 4) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
  - 5) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard

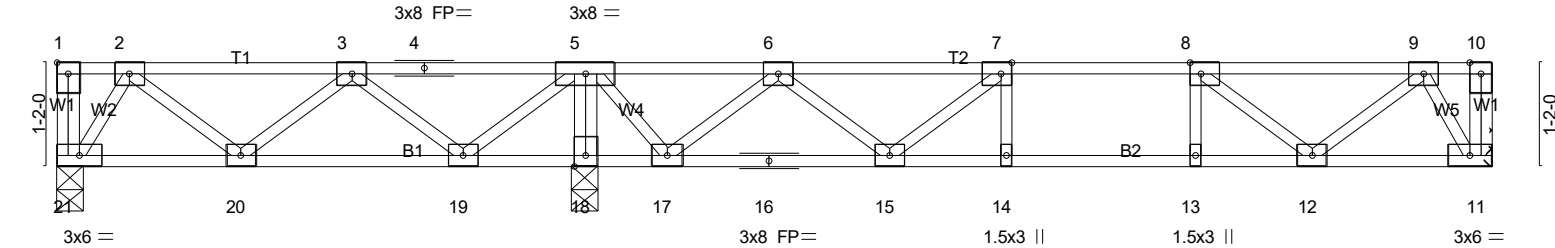


4/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0019 CAMPBELL RIDGE   187 ALDEN WAY ANGIER, NC
25-3719-F02	F212	Floor	2	1	
					Job Reference (optional) # 58886

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ID:6SrUsNRKh5asUkfHKHR8skysYGd-kZNoCbS0o3tmSWBdV0AelXXxkH9rFWrSulaeC2zMo??



5-11-4	10-8-12	11-8-12	12-8-12	16-1-8
5-11-4	4-9-8	1-0-0	1-0-0	3-4-12

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [7:0-1-8,Edge], [8:0-1-8,Edge]

LOADING (psf)	SPACING-	CS.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	1-7-3	TC 0.24	Vert(LL) -0.03	13	>999	480	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.00	BC 0.23	Vert(CT) -0.03	13	>999	360		
BCLL 0.0	Lumber DOL 1.00	WB 0.27	Horz(CT) 0.01	11	n/a	n/a		
BCDL 5.0	Rep Stress Incr YES	Matrix-SH						
	Code IRC2021/TPI2014						Weight: 85 lb	FT = 20%F, 11%E

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	

**REACTIONS.** (lb/size) 21=133/0-3-8 (min. 0-1-8), 18=891/0-3-8 (min. 0-1-8), 11=372/Mechanical  
Max Uplift21=-44(LC 4)  
Max Grav21=216(LC 8), 18=894(LC 7), 11=377(LC 4)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 3-4=-62/409, 4-5=-62/409, 5-6=0/416, 6-7=-516/0, 7-8=-761/0, 8-9=-507/0  
BOT CHORD 19-20=-246/274, 18-19=-757/0, 17-18=-767/0, 16-17=0/263, 15-16=0/263, 14-15=0/761, 13-14=0/761, 12-13=0/761  
WEBS 5-18=-871/0, 5-19=0/472, 3-19=-434/0, 2-21=-270/52, 7-15=-330/0, 6-15=0/344, 6-17=-646/0, 5-17=0/566, 8-12=-324/0, 9-12=0/336, 9-11=-473/0

- NOTES-** (7-8)
- 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 44 lb uplift at joint 21.
  - 5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
  - 6) CAUTION, Do not erect truss backwards.
  - 7) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
  - 8) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

**LOAD CASE(S)** Standard

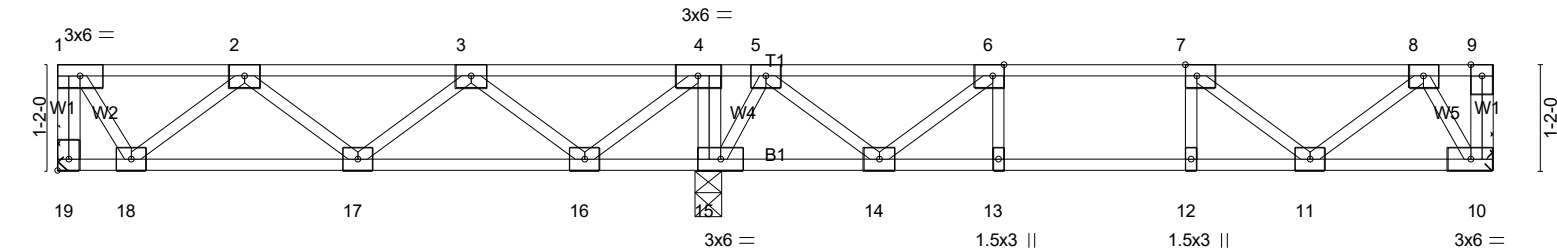
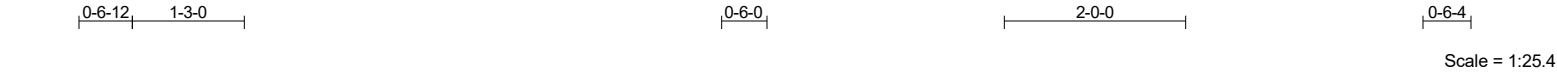


4/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0019 CAMPBELL RIDGE   187 ALDEN WAY ANGIER, NC
25-3719-F02	F213	Floor	5	1	Job Reference (optional) # 58886

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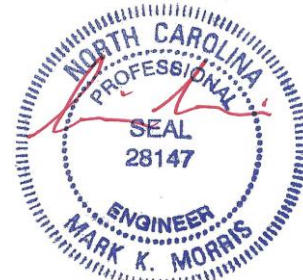
7-2-4	10-5-4	11-5-4	12-5-4	15-10-0
7-2-4	3-3-0	1-0-0	1-0-0	3-4-12

Plate Offsets (X,Y)-- [6:0-1-8,Edge], [7:0-1-8,Edge], [19:Edge,0-1-8]				
<b>LOADING</b> (psf)	<b>SPACING</b>	<b>CSL</b>	<b>DEFL.</b>	<b>PLATES GRIP</b>
TCLL 40.0	1-7-3	TC 0.23	in (loc) l/defl L/d	MT20 244/190
TCDL 10.0	Plate Grip DOL 1.00	BC 0.27	Vert(LL) -0.03 12 >999 480	
BCLL 0.0	Lumber DOL 1.00	WB 0.21	Vert(CT) -0.04 12 >999 360	
BCDL 5.0	Rep Stress Incr YES	Matrix-SH	Horz(CT) 0.01 10 n/a n/a	
	Code IRC2021/TPI2014			Weight: 83 lb FT = 20%F, 11%E

<b>LUMBER-</b>	<b>BRACING-</b>
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 15-16,14-15.
WEBS 2x4 SP No.3(flat)	
<b>REACTIONS.</b> (lb/size) 19=267/Mechanical, 10=339/Mechanical, 15=764/0-3-8 (min. 0-1-8) Max Grav 19=305(LC 8), 10=349(LC 4), 15=771(LC 7)	
<b>FORCES.</b> (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD 1-19=-305/0, 2-3=-485/0, 3-4=-273/85, 4-5=-4/420, 5-6=-331/0, 6-7=-645/0, 7-8=-455/0	
BOT CHORD 17-18=0/440, 16-17=0/505, 15-16=-420/4, 13-14=0/645, 12-13=0/645, 11-12=0/645	
WEBS 4-15=-404/0, 4-16=0/443, 3-16=-401/0, 2-18=-361/0, 1-18=0/295, 6-14=-431/0, 5-14=0/396, 5-15=-472/0, 8-11=0/284, 8-10=-450/0	

- NOTES-** (6-7)
- Unbalanced floor live loads have been considered for this design.
  - All plates are 3x4 MT20 unless otherwise indicated.
  - Refer to girder(s) for truss to truss connections.
  - 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.
  - CAUTION, Do not erect truss backwards.
  - Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
  - Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

**LOAD CASE(S)** Standard



4/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0019 CAMPBELL RIDGE   187 ALDEN WAY ANGIER, NC
25-3719-F02	F216	Floor Supported Gable	1	1	Job Reference (optional) # 58886

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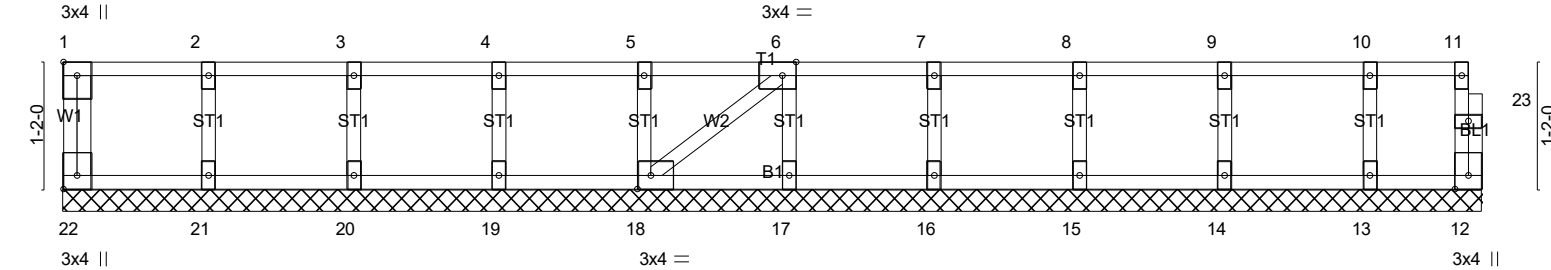


Plate Offsets (X,Y)--	[1:Edge,0-1-8], [6:0-1-8,Edge], [18:0-1-8,Edge], [22:Edge,0-1-8]
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<b>LOADING</b> (psf)	<b>SPACING-</b> 2-0-0	<b>CSI.</b>	<b>DEFL.</b> in (loc) l/defl L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 40.0	Plate Grip DOL 1.00	TC 0.06	Vert(LL) 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 12 n/a n/a		
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH			
				Weight: 58 lb	FT = 20%F, 11%E

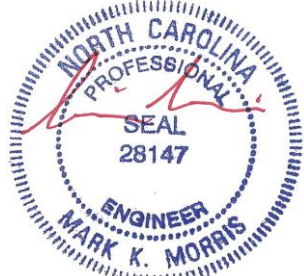
<b>LUMBER-</b>	<b>BRACING-</b>
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	
OTHERS 2x4 SP No.3(flat)	

**REACTIONS.** All bearings 13-0-6.  
(lb) - Max Grav All reactions 250 lb or less at joint(s) 22, 12, 21, 20, 19, 18, 17, 16, 15, 14, 13

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

- NOTES-** (7-8)
- 1) All plates are 1.5x3 MT20 unless otherwise indicated.
  - 2) Gable requires continuous bottom chord bearing.
  - 3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
  - 4) Gable studs spaced at 1-4-0 oc.
  - 5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
  - 6) CAUTION, Do not erect truss backwards.
  - 7) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
  - 8) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

**LOAD CASE(S)** Standard



4/25/2025

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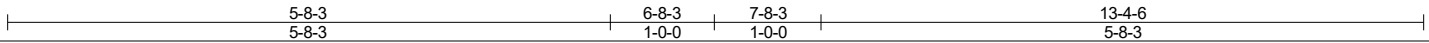
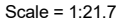


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [4:0-1-8,Edge], [5:0-1-8,Edge]

<b>LOADING</b> (psf)	<b>SPACING-</b> 1-7-3	<b>CSI.</b>	<b>DEFL.</b> in (loc) l/defl L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 40.0	Plate Grip DOL 1.00	TC 0.25	Vert(LL) -0.09 13-14 >999 480	MT20	244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.49	Vert(CT) -0.11 13-14 >999 360		
BCLL 0.0	Rep Stress Incr YES	WB 0.33	Horz(CT) 0.02 9 n/a n/a		
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH		Weight: 69 lb	FT = 20%F, 11%E

<b>LUMBER-</b>	
TOP CHORD	2x4 SP No.1(flat)
BOT CHORD	2x4 SP No.1(flat)
WEBS	2x4 SP No.3(flat)
<b>BRACING-</b>	
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.** (lb/size) 16=577/0-3-8 (min. 0-1-8), 9=572/0-3-6 (min. 0-1-8)

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

TOP CHORD	2-3=-789/0, 3-4=-1548/0, 4-5=-1794/0, 5-6=-1548/0, 6-7=-789/0
BOT CHORD	15-16=0/261, 14-15=0/1296, 13-14=0/1794, 12-13=0/1794, 11-12=0/1794, 10-11=0/1296, 9-10=0/260
WEBS	4-14=-419/0, 3-14=0/350, 3-15=-659/0, 2-15=0/688, 2-16=-680/0, 5-11=-419/0, 6-11=0/350, 6-10=-659/0, 7-10=0/688, 7-9=-691/0

**NOTES-** (5-6)

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 3x4 MT20 unless otherwise indicated.
- 3) Recommend 2x6 strongbacks, on edge, spaced at 10'-0" o.c. and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 4) CAUTION, Do not erect truss backwards.
- 5) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
- 6) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard

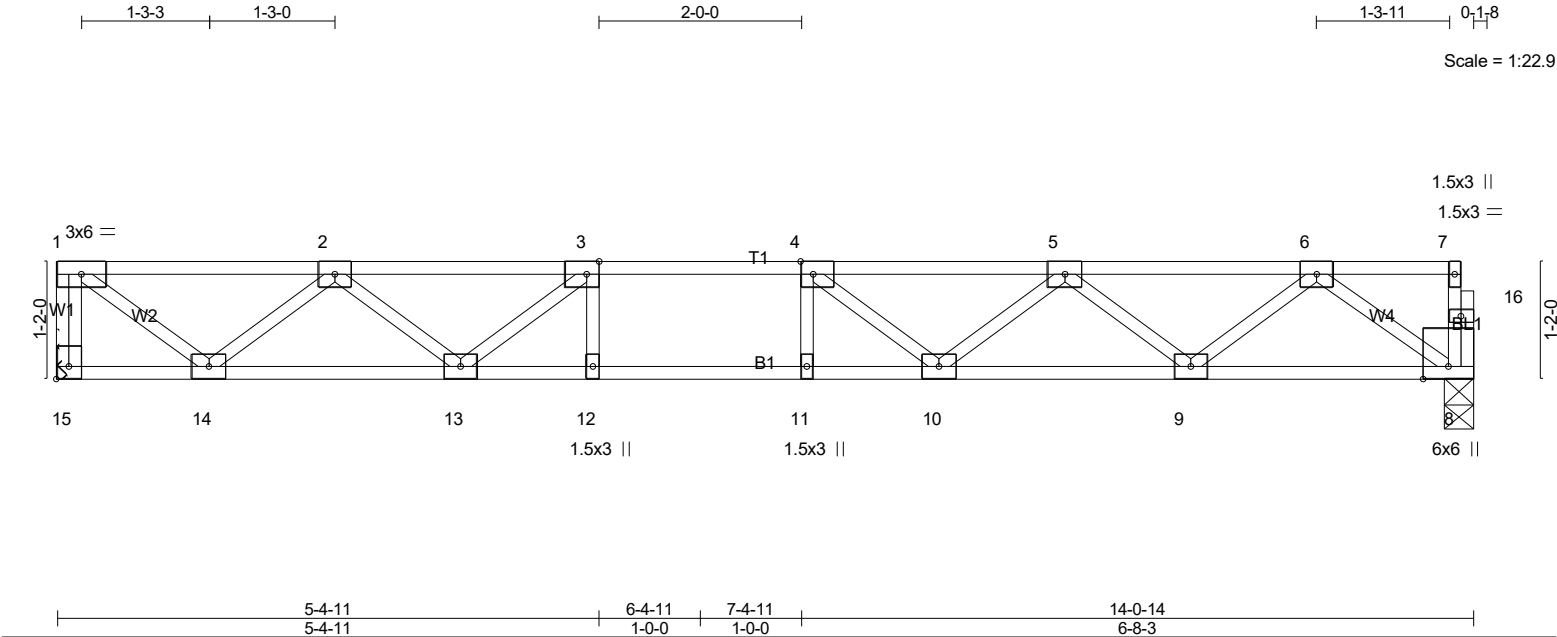


4/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0019 CAMPBELL RIDGE   187 ALDEN WAY ANGIER, NC
25-3719-F02	F218	Floor	4	1	Job Reference (optional) # 58886

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LOADING (psf)	SPACING-	CS.	DEFL.	PLATES	GRIP
TCLL 40.0	1-7-3	TC 0.34	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.00	BC 0.67	Vert(LL) -0.13 10-11 >999 480		
BCLL 0.0	Lumber DOL 1.00	WB 0.41	Vert(CT) -0.17 10-11 >989 360		
BCDL 5.0	Rep Stress Incr YES	Matrix-SH	Horz(CT) 0.03 8 n/a n/a		
	Code IRC2021/TPI2014			Weight: 70 lb	FT = 20%F, 11%E

<b>LUMBER-</b>	<b>BRACING-</b>
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	
<b>REACTIONS.</b> (lb/size) 15=608/Mechanical, 8=603/0-3-6 (min. 0-1-8)	
<b>FORCES.</b> (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD 1-15=-604/0, 1-2=-691/0, 2-3=-1609/0, 3-4=-1975/0, 4-5=-1858/0, 5-6=-1238/0	
BOT CHORD 13-14=0/1286, 12-13=0/1975, 11-12=0/1975, 10-11=0/1975, 9-10=0/1685, 8-9=0/768	
WEBS 3-13=-546/0, 2-13=0/428, 2-14=-774/0, 1-14=0/863, 4-10=-324/37, 5-10=0/289, 5-9=-582/0, 6-9=0/612, 6-8=-947/0	

- NOTES-** (6-7)
- 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.
  - 5) CAUTION, Do not erect truss backwards.
  - 6) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
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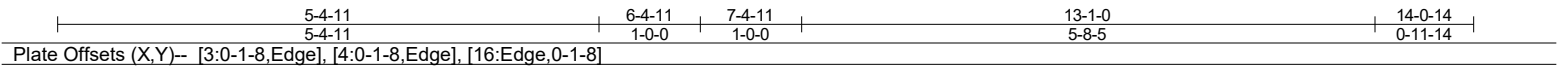
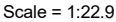
**LOAD CASE(S)** Standard



4/25/2025

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Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Sat Apr 26 17:31:43 2025 Page 1  
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<b>LOADING</b> (psf)	<b>SPACING-</b> 1-7-3	<b>CSI.</b>	<b>DEFL.</b> in (loc) l/defl L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 40.0	Plate Grip DOL 1.00	TC 0.32	Vert(LL) -0.12 11-12 >999 480	MT20	244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.64	Vert(CT) -0.16 11-12 >979 360		
BCLL 0.0	Rep Stress Incr YES	WB 0.40	Horz(CT) 0.03 8 n/a n/a		
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH		Weight: 70 lb	FT = 20%F, 11%E

<b>BRACING-</b>	
<b>TOP CHORD</b>	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
<b>BOT CHORD</b>	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.  
 TOP CHORD 1-16=-595/0, 1-2=-679/0, 2-3=-1576/0, 3-4=-1921/0, 4-5=-1794/0, 5-6=-1115/0  
 BOT CHORD 14-15=0/1265, 13-14=0/1921, 12-13=0/1921, 11-12=0/1921, 10-11=0/1590, 9-10=0/703,  
 8-9=0/703  
 WEBS 3-14=-519/0, 2-14=0/412, 2-15=-762/0, 1-15=0/849, 4-11=-323/24, 5-11=0/304,  
 5-10=-624/0, 6-10=0/545, 6-8=-867/0

**NOTES-** (6-7)

- 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" o.c. and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
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LOAD CASE(S) Standard



4/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0019 CAMPBELL RIDGE   187 ALDEN WAY ANGIER, NC
25-3719-F02	F219	Floor Supported Gable	1	1	Job Reference (optional) # 58886

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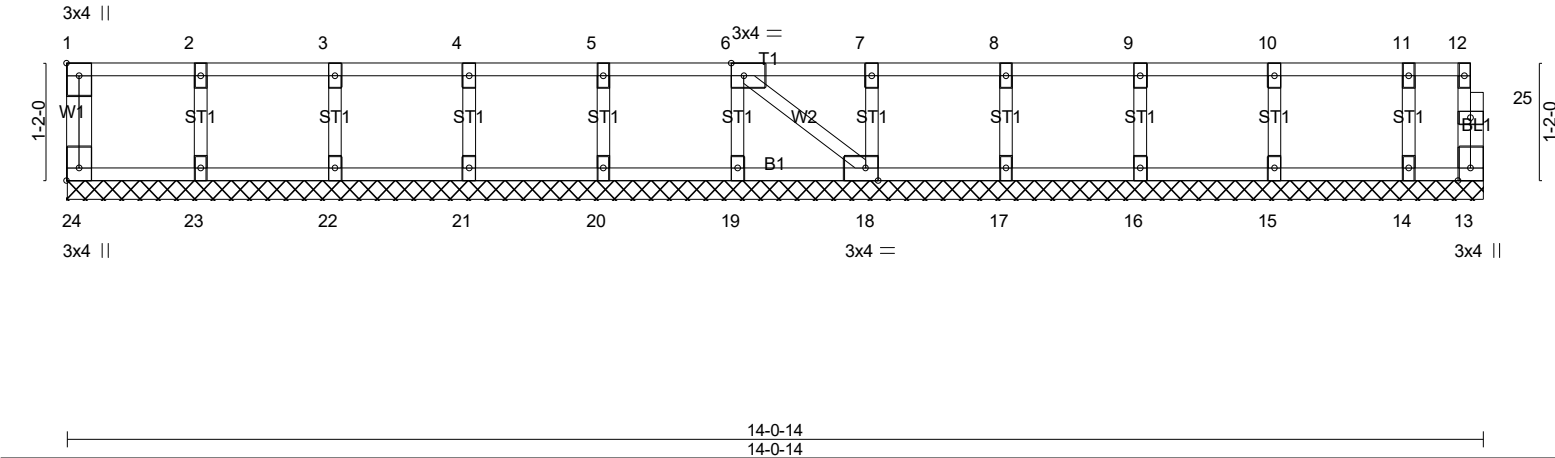


Plate Offsets (X,Y)--		[1:Edge,0-1-8], [6:0-1-8,Edge], [18:0-1-8,Edge], [24:Edge,0-1-8]	
LOADING (psf)	SPACING-	2-0-0	CSL
TCLL 40.0	Plate Grip DOL	1.00	TC 0.06
TCDL 10.0	Lumber DOL	1.00	BC 0.01
BCLL 0.0	Rep Stress Incr	YES	WB 0.03
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH
DEFL.	in (loc)	L/defl	L/d
Vert(LL)	n/a	-	n/a 999
Vert(CT)	n/a	-	n/a 999
Horz(CT)	0.00	13	n/a
PLATES	GRIP		
MT20	244/190		
Weight: 63 lb		FT = 20%F, 11%E	

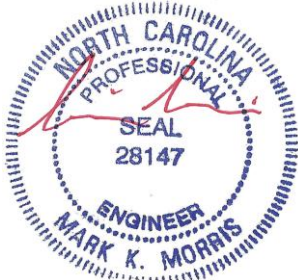
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	
OTHERS 2x4 SP No.3(flat)	

REACTIONS. All bearings 14-0-14.  
(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. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

- NOTES- (7-8)
- All plates are 1.5x3 MT20 unless otherwise indicated.
  - Gable requires continuous bottom chord bearing.
  - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
  - Gable studs spaced at 1-4-0 oc.
  - 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.
  - CAUTION, Do not erect truss backwards.
  - Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
  - Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard



4/25/2025

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