

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 #: 57301

JOB: 25-2031-F01

JOB NAME: LOT 0.0013 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:

F1-01, F1-02, F1-03, F1-04, F1-05, F1-06, F1-07, F1-08, F1-10, F1-11, F1-12, F1-13, F1-13A, F1-14, F1-14A, F1-15, F1-16, F1-18, F1-19



3/3/2025

Mark Morris

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

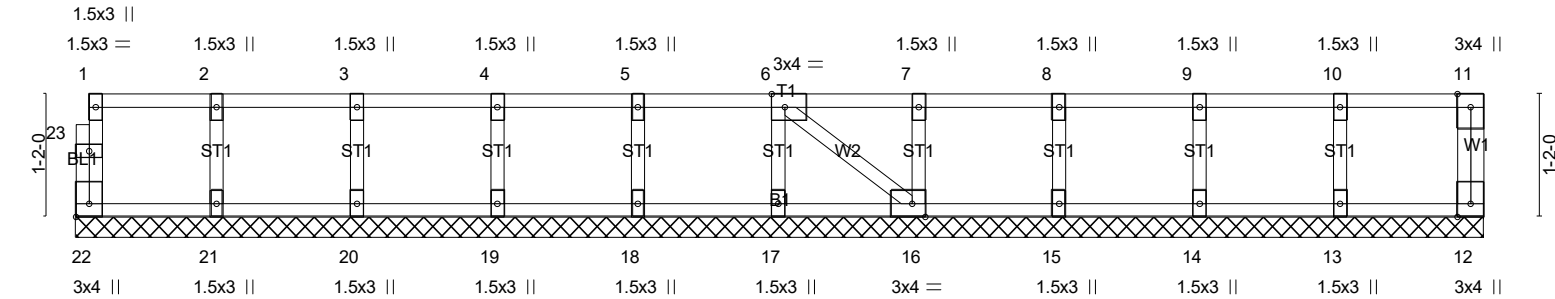
This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is 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

Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 CAMPBELL RIDGE 311 ALDEN WAY ANGIER, NC
25-2031-F01	F1-01	GABLE	1	1	Job Reference (optional) # 57301

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Tue Mar 4 12:28:57 2025 Page 1
ID:fcZ0KwZoZQmeXTIMivGJ_CysCYm-4dh6eygVvcvVNISlgnUk?MBDPloItTFSF4oHU8zeJwa

0-1-8

Scale = 1:21.9



1-4-0	2-8-0	4-0-0	5-4-0	6-8-0	8-0-0	9-4-0	10-8-0	12-0-0	13-4-6
1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-6

Plate Offsets (X,Y)-- [6:0-1-8,Edge], [16:0-1-8,Edge], [22:Edge,0-1-8]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(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	12	n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH							
									Weight: 59 lb	FT = 20%F, 11%E

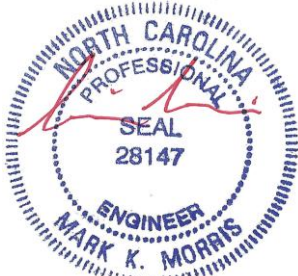
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	
OTHERS 2x4 SP No.3(flat)	

REACTIONS. All bearings 13-4-6.
(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- (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



3/3/2025

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 0.0013 CAMPBELL RIDGE 311 ALDEN WAY ANGIER, NC
25-2031-F01	F1-02	Floor	6	1	
					Job Reference (optional) # 57301

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Tue Mar 4 12:28:57 2025 Page 1
ID:fcZ0KwZoZQmeXTIMivGJ_CysCYm-4dh6eygVvcvVNISlgnUk?MB9TiftkNMSF4oHU8zeJWa

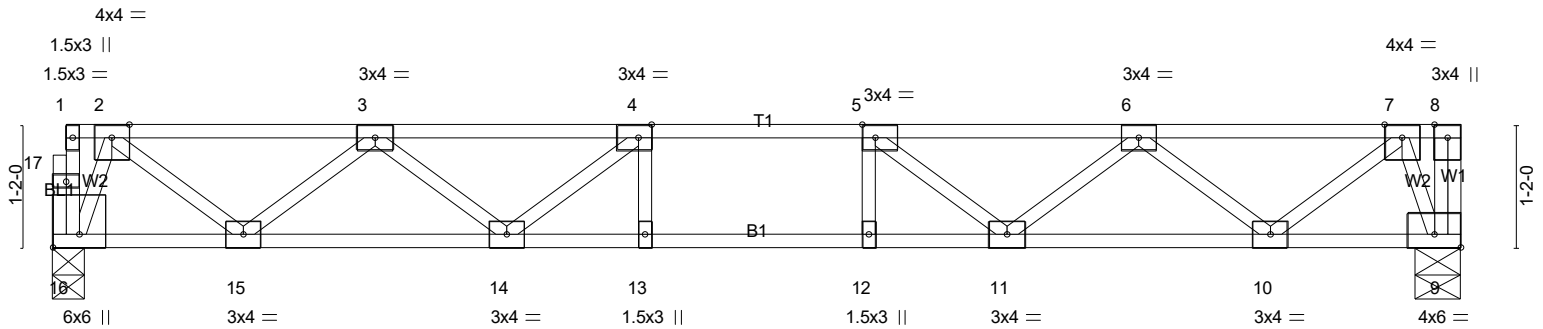
0-1-8



2-0-0

0-3-11

Scale = 1:21.9



5-8-3	6-8-3	7-8-3	13-4-6
5-8-3	1-0-0	1-0-0	5-8-3

Plate Offsets (X,Y)-- [4:0-1-8,Edge], [5:0-1-8,Edge], [9:Edge,0-1-8], [16:Edge,0-3-0]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.31	Vert(LL)	-0.11 11-12	>999	480	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.62	Vert(CT)	-0.14 11-12	>999	360		
BCLL 0.0	Rep Stress Incr	YES	WB 0.41	Horz(CT)	0.03 9	n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH					Weight: 69 lb	FT = 20%F, 11%E

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

BRACING-
TOP CHORD 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=715/0-3-8 (min. 0-1-8), 9=721/0-5-4 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-987/0, 3-4=-1937/0, 4-5=-2244/0, 5-6=-1937/0, 6-7=-987/0
BOT CHORD 15-16=0/326, 14-15=0/1621, 13-14=0/2244, 12-13=0/2244, 11-12=0/2244, 10-11=0/1621, 9-10=0/326
WEBS 4-14=-524/0, 3-14=0/437, 3-15=-825/0, 2-15=0/861, 2-16=-864/0, 5-11=-524/0, 6-11=0/437, 6-10=-825/0, 7-10=0/861, 7-9=-851/0

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

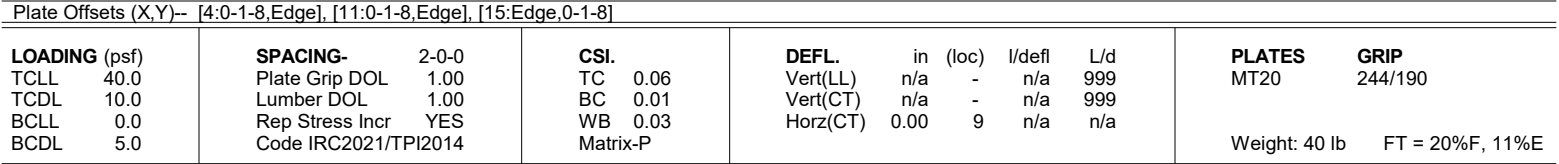


3/3/2025

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.

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Tue Mar 4 12:28:58 2025 Page 1
ID:fcZ0KwZoZQmeXTiMivGJ_CysCYm-YpFUrIgw1M?S1xDV?zYakNB68ScwUbUkYr1azeJWZ

Scale = 1:15.1

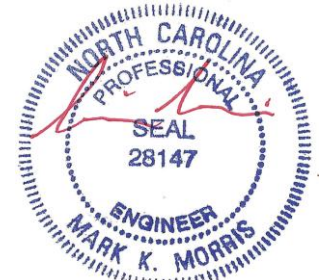


BRACING-	
TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

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



3/3/2025

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 0.0013 CAMPBELL RIDGE 311 ALDEN WAY ANGIER, NC
25-2031-F01	F1-04	Floor	3	1	
					Job Reference (optional) # 57301

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Tue Mar 4 12:28:58 2025 Page 1
ID:fcZ0KwZoZQmeXTiMivGJ_CysCYm-YpFUrlg7gw1M?S1xDV?zYakLr67EcuabUkYr1azeJWZ

0-1-8

1-1-3 2-1.5x3 || 2-0-0 3- 3x4 = 4 3x4 || Scale = 1:9.1

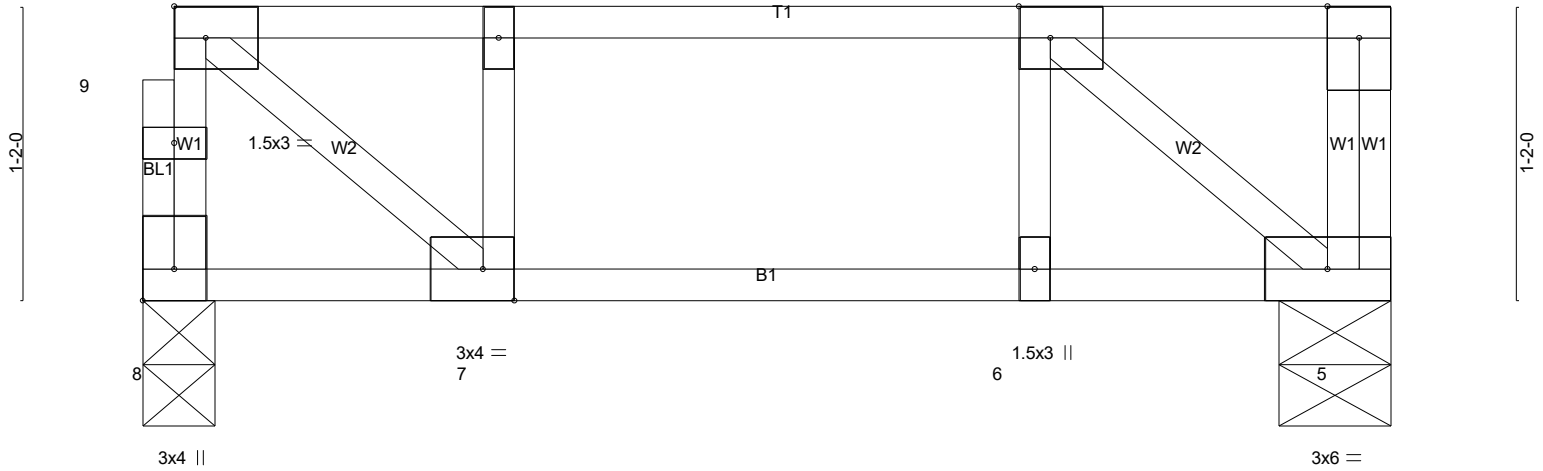


Plate Offsets (X,Y)--		[3:0-1-8,Edge], [7:0-1-8,Edge], [8:Edge,0-1-8]
LOADING (psf)	SPACING-	2-0-0
TCLL 40.0	Plate Grip DOL	1.00
TCDL 10.0	Lumber DOL	1.00
BCLL 0.0	Rep Stress Incr	YES
BCDL 5.0	Code IRC2021/TPI2014	
	CSI.	
	TC 0.15	
	BC 0.09	
	WB 0.16	
	Matrix-SH	
	DEFL.	
	in (loc) l/defl L/d	
	Vert(LL) -0.01 6 >999 480	
	Vert(CT) -0.01 6 >999 360	
	Horz(CT) 0.00 5 n/a n/a	
	PLATES	GRIP
	MT20	244/190
	Weight: 27 lb FT = 20%F, 11%E	

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-11-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 8=252/0-3-8 (min. 0-1-8), 5=258/0-5-4 (min. 0-1-8)

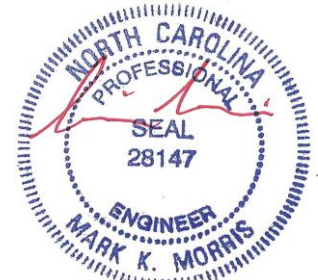
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 1-2=-263/0, 2-3=-263/0
BOT CHORD 6-7=0/263, 5-6=0/263
WEBS 1-7=0/326, 3-5=-339/0

NOTES- (4)

- Unbalanced floor live loads have been considered for this design.
- 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.

LOAD CASE(S) Standard

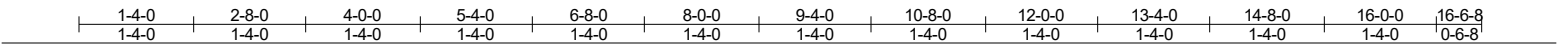


3/3/2025

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.

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Tue Mar 4 12:28:59 2025 Page 1
ID:fcZ0KwZoZQmeXTIMivGJ CysCYm-1?ps2ehIRD9Dccc7nCWC4nHYzWUmlNmkiJOHOZ0zeJWY

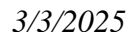
Scale = 1:27.2



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)		

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

LOAD CASE(S) Standard



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.

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Tue Mar 4 12:28:59 2025 Page 1
ID:fcZ0KwZoZQmeXTIMivGJ CysCYm-1?ps2ehIRD9Dccc7nCWC4nHXpWUILNjkiOHOZ0zeJWY

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- (5)

- 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.

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 at the top and "SEAL" is at the bottom. The number "28147" is in the center. A red ink signature, "Mark K. Morris", is written across the seal.

3/3/2025

Warning 1—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.

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Tue Mar 4 12:29:00 2025 Page 1
ID:fcZ0KwZoZQmEXTiMivGJ CysCYm-VCNFGziNCXH4EmBKLw1Rd?peZvgm4iGuy21x5TzeJWX

Scale = 1:29.2

Dimensions: 1-3-0, 1-3-14, 2-0-0, 1-3-14

Members: 3x6, 3x4, 3x8 FP, 3x4, 3x4, 3x4, 3x4, 3x4, 3x6

Joints: 1, 2, 3, 4, 5, 6, 7, 8, 9

Truss: T1, T2

W1, W3, B1

Dimensions: 1-2-0, 1-2-0

Members: 3x4 ||, 4x4, 3x4, 3x4, 1.5x3 ||, 1.5x3 ||, 3x4, 3x4, 3x8 FP, 4x4, 3x4 ||

Joints: 20, 19, 18, 17, 16, 15, 14, 13, 12, 11, 10

LOADING (psf)	SPACING- 1-4-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.32	Vert(LL) -0.19 15-16 >999 480	MT20	244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.66	Vert(CT) -0.26 15-16 >806 360		
BCLL 0.0	Rep Stress Incr YES	WB 0.46	Horz(CT) -0.05 20 n/a n/a		
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH		Weight: 89 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) 20=647/0-5-4 (min. 0-1-8), 10=647/0-5-4 (min. 0-1-8)			
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.			
TOP CHORD	1-20=-642/0, 9-10=-642/0, 1-2=-753/0, 2-3=-1861/0, 3-4=-1861/0, 4-5=-2496/0, 5-6=-2718/0, 6-7=-2510/0, 7-8=-1887/0, 8-9=-790/0		
BOT CHORD	18-19=0/1422, 17-18=0/2280, 16-17=0/2718, 15-16=0/2718, 14-15=0/2718, 13-14=0/2296, 12-13=0/1456, 11-12=0/1456		
WEBS	1-19=0/945, 2-19=-871/0, 2-18=0/572, 4-18=-544/0, 4-17=0/345, 5-17=-444/0, 6-14=-436/3, 7-14=0/345, 7-13=-533/0, 8-13=0/561, 8-11=-867/0, 9-11=0/973		

NOTES- (3)

- 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.

LOAD CASE(S) Standard



3/3/2025

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 0.0013 CAMPBELL RIDGE 311 ALDEN WAY ANGIER, NC
25-2031-F01	F1-08	Floor	1	1	Job Reference (optional) # 57301

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Tue Mar 4 12:29:00 2025 Page 1
ID:fcZ0KwZoZQmeXTIMivGJ_CysCYm-VCNFGziNCXH4EmBKLw1Rd?pgkvmQ4oyuy21x5TzeJWX



Scale = 1:10.7

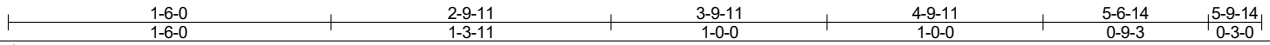
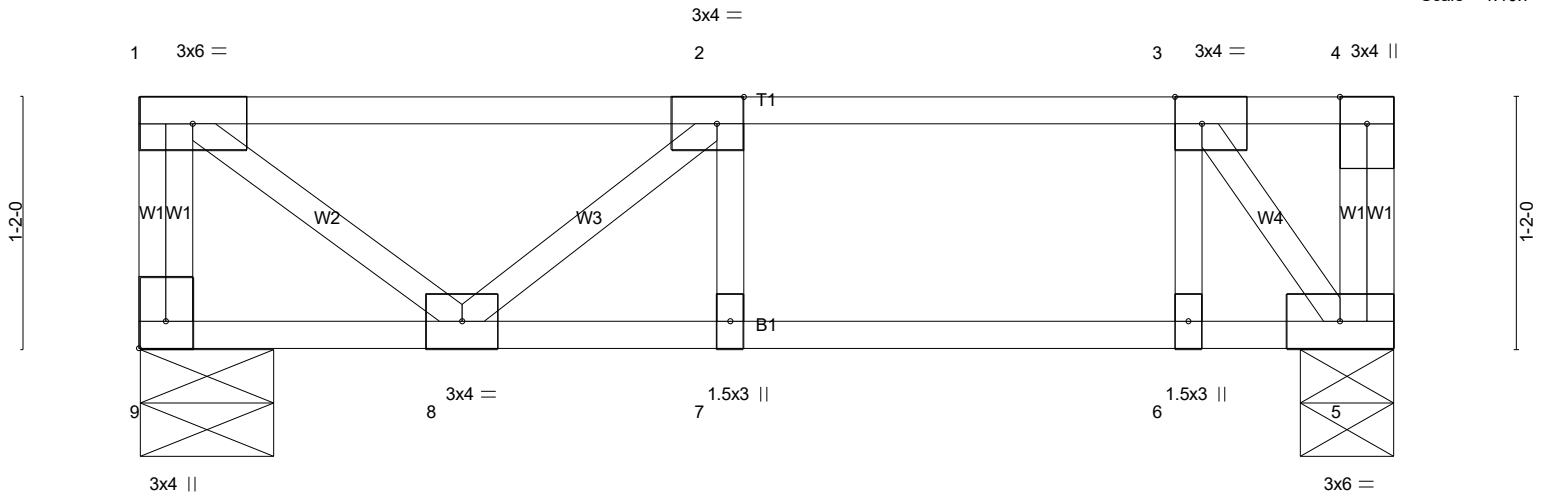


Plate Offsets (X,Y)-- [2:0-1-8,Edge], [3:0-1-8,Edge], [9:Edge,0-1-8]

LOADING (psf)	SPACING-	1-4-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.25	Vert(LL)	-0.03	7	>999	480	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.30	Vert(CT)	-0.04	7	>999	360		
BCLL 0.0	Rep Stress Incr	YES	WB 0.10	Horz(CT)	0.00	5	n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH							
									Weight: 32 lb	FT = 20%F, 11%E

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

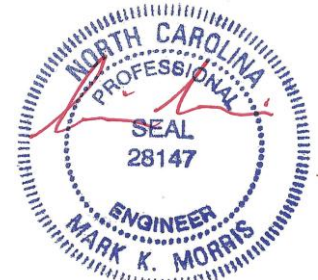
BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-9-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 9=204/0-7-8 (min. 0-1-8), 5=204/0-5-4 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-5=-387/0

NOTES- (3)
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.

LOAD CASE(S) Standard



3/3/2025

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 0.0013 CAMPBELL RIDGE 311 ALDEN WAY ANGIER, NC
25-2031-F01	F1-10	GABLE	1	1	Job Reference (optional) # 57301

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Tue Mar 4 12:29:01 2025 Page 1
ID:fcZ0KwZoZQmeXTiMivGJ_CysCYm-zOxdTjJ0zrPxswmWvdYg9CmURJ97pGE1AimVdvzeJWW

0-1-8

Scale = 1:13.0

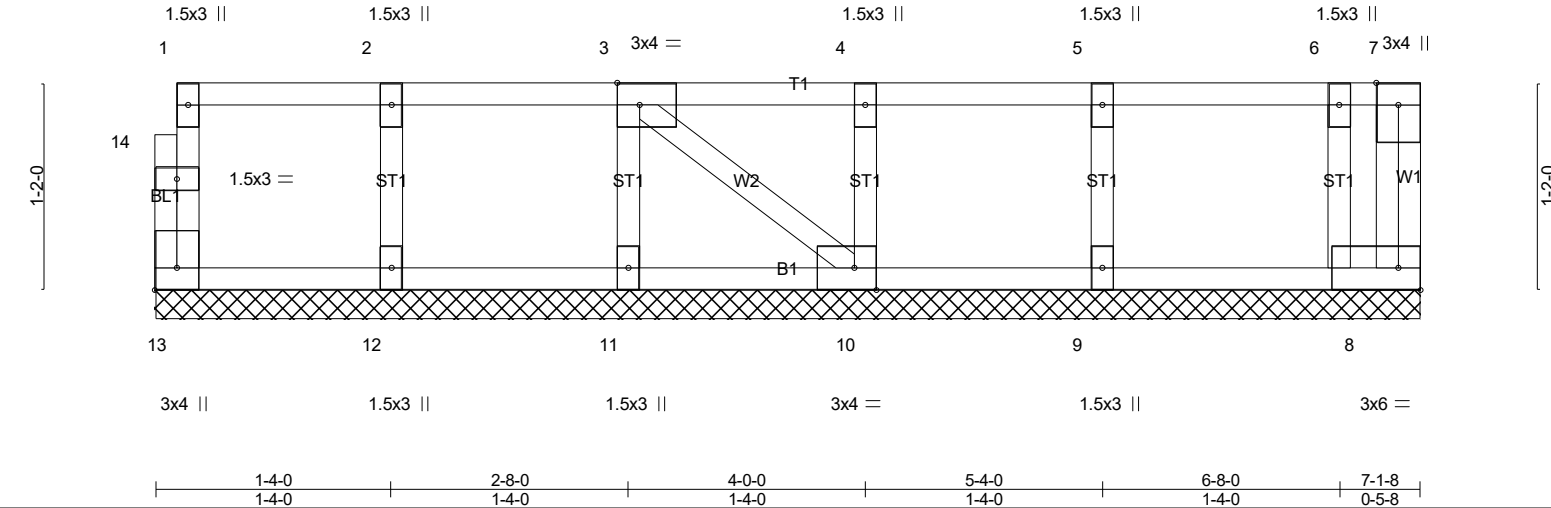


Plate Offsets (X,Y)--		[3:0-1-8,Edge], [10:0-1-8,Edge], [13:Edge,0-1-8]									
LOADING (psf)		SPACING-		2-0-0		CSI.		DEFL.		PLATES	
TCLL	40.0	Plate Grip DOL	1.00			TC	0.06	in (loc)	l/defl	L/d	GRIP
TCDL	10.0	Lumber DOL	1.00			BC	0.01	Vert(LL)	n/a	n/a	244/190
BCLL	0.0	Rep Stress Incr	YES			WB	0.03	Vert(CT)	n/a	n/a	
BCDL	5.0	Code IRC2021/TPI2014				Matrix-P		Horz(CT)	0.00	8	
										Weight: 35 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 7-1-8.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 13, 8, 12, 11, 10, 9

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) 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

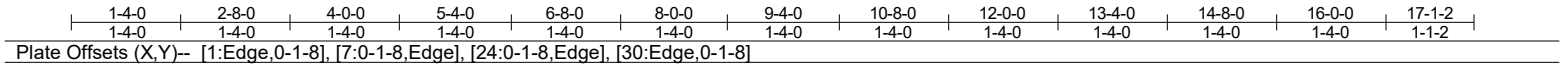


3/3/2025

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.

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Tue Mar 4 12:29:01 2025 Page 1
ID:fcZ0KwZoZQmeXTIMivGJ CysCYm-zOxdTjJ0zrPxswmVvdYg9CMuRJ9DpGF1AimVdvzeJWW

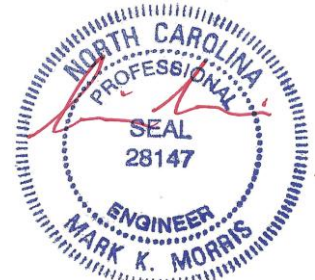
Scale = 1:28.1



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)		
WEBS	2x4 SP No.3(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS	2x4 SP No.3(flat)		

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

- LOAD CASE(S) Standard



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 0.0013 CAMPBELL RIDGE 311 ALDEN WAY ANGIER, NC
25-2031-F01	F1-12	Floor	7	1	
					Job Reference (optional) # 57301

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Tue Mar 4 12:29:02 2025 Page 1
ID:fcZ0KwZoZQmeXTiMivGJ_CysCYm-RaV?hfkek8XnT3KiSK4viQu_MjJCYeJBPMW2ALzeJWV



Scale = 1:28.8

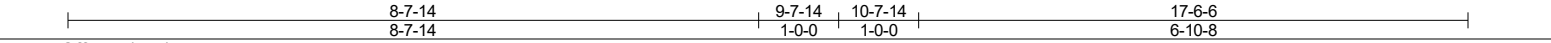
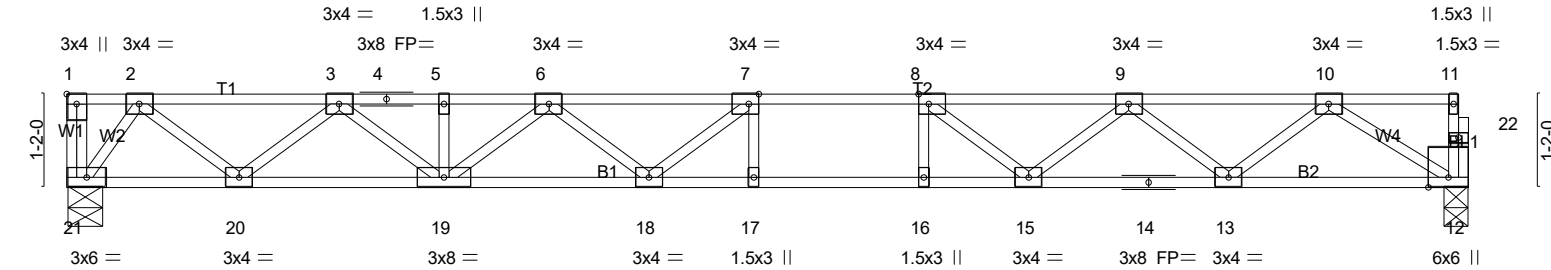


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [7:0-1-8,Edge], [8:0-1-8,Edge]

LOADING (psf)	SPACING-	1-4-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.37	Vert(LL)	-0.20	17-18	>999	480	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.79	Vert(CT)	-0.28	17-18	>745	360		
BCLL 0.0	Rep Stress Incr	YES	WB 0.36	Horz(CT)	0.04	12	n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH							
										Weight: 89 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) 21=634/0-5-4 (min. 0-1-8), 12=629/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1067/0, 3-4=-2040/0, 4-5=-2040/0, 5-6=-2040/0, 6-7=-2516/0, 7-8=-2578/0, 8-9=-2226/0, 9-10=-1436/0
BOT CHORD 20-21=0/478, 19-20=0/1635, 18-19=0/2392, 17-18=0/2578, 16-17=0/2578, 15-16=0/2578, 14-15=0/1926, 13-14=0/1926, 12-13=0/916
WEBS 7-18=-306/127, 6-18=0/266, 6-19=-450/0, 3-19=0/517, 3-20=-739/0, 2-20=0/766, 8-15=-558/0, 9-15=0/421, 9-13=-639/0, 10-13=0/677, 10-12=-1085/0, 2-21=-797/0

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

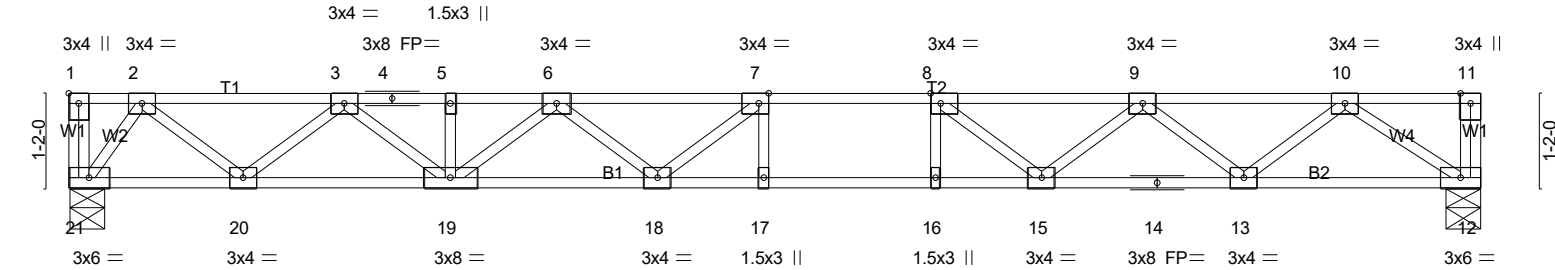
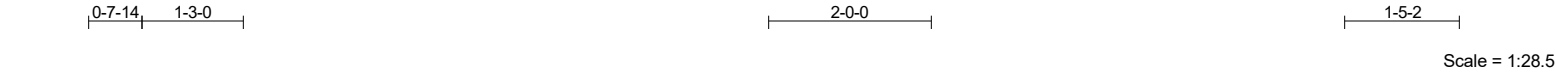


3/3/2025

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 0.0013 CAMPBELL RIDGE 311 ALDEN WAY ANGIER, NC
25-2031-F01	F1-13	Floor	5	1	
					Job Reference (optional) # 57301

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Tue Mar 4 12:29:02 2025 Page 1
ID:fcZ0KwZoZQmeXTIMivGj_CysCYm-RaV?hfkek8XnT3KiSK4viQu_LjJAYeKBPMW2ALzeJWV



8-7-14	9-7-14	10-7-14	17-5-8
8-7-14	1-0-0	1-0-0	6-9-10

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

LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	1-4-0	TC 0.37	Vert(LL)	-0.20 17-18	>999	480	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.00	BC 0.79	Vert(CT)	-0.28 17-18	>748	360		
BCLL 0.0	Lumber DOL 1.00	WB 0.36	Horz(CT)	0.04 12	n/a	n/a		
BCDL 5.0	Rep Stress Incr YES	Matrix-SH						
	Code IRC2021/TPI2014						Weight: 89 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) 21=631/0-5-4 (min. 0-1-8), 12=631/0-5-4 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1062/0, 3-4=-2028/0, 4-5=-2028/0, 5-6=-2028/0, 6-7=-2498/0, 7-8=-2553/0, 8-9=-2196/0, 9-10=-1399/0
BOT CHORD 20-21=0/476, 19-20=0/1626, 18-19=0/2377, 17-18=0/2553, 16-17=0/2553, 15-16=0/2553, 14-15=0/1892, 13-14=0/1892, 12-13=0/876
WEBS 7-18=-299/131, 6-18=0/262, 6-19=-446/0, 3-19=0/513, 3-20=-735/0, 2-20=0/762, 8-15=-562/0, 9-15=0/424, 9-13=-642/0, 10-13=0/680, 10-12=-1055/0, 2-21=-794/0

NOTES- (3)
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.

LOAD CASE(S) Standard



3/3/2025

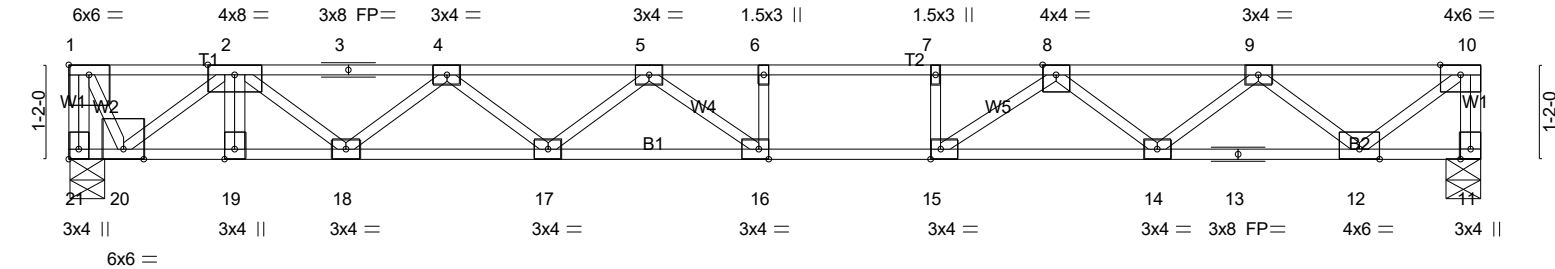
Warning !—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – 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 0.0013 CAMPBELL RIDGE 311 ALDEN WAY ANGIER, NC
25-2031-F01	F1-13A	Floor	2	1	
					Job Reference (optional) # 57301

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Tue Mar 4 12:29:02 2025 Page 1
ID:fcZ0KwZoZQmeXTiMivGJ_CysCYm-RaV?hfkek8XnT3KiSK4viQueejKZYXeBPMW2ALzeJWV



Scale = 1:28.5



2-0-10		8-7-14		9-7-14		10-7-14		17-5-8	
2-0-10		6-7-4		1-0-0		1-0-0		6-9-10	
Plate Offsets (X,Y)-- [1:Edge,0-1-8], [15:0-1-8,Edge], [16:0-1-8,Edge], [21:Edge,0-1-8]									
LOADING (psf)		SPACING- 1-4-0		CSI.		DEFL. in (loc) l/defl L/d		PLATES GRIP	
TCLL	40.0	Plate Grip DOL	1.00	TC	0.74	Vert(LL)	-0.18 16-17 >999 480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.77	Vert(CT)	-0.41 16-17 >501 360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.79	Horz(CT)	0.06 11 n/a n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH				Weight: 90 lb	FT = 20%F, 11%E

LUMBER-		BRACING-	
TOP CHORD	2x4 SP SS(flat) *Except* T1: 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 SS(flat) *Except* B2: 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) 21=1519/0-5-4 (min. 0-1-8), 11=743/0-5-4 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-21=-1520/0, 10-11=-743/0, 1-2=-778/0, 2-3=-3070/0, 3-4=-3070/0, 4-5=-3551/0,
5-6=-3364/0, 6-7=-3364/0, 7-8=-3364/0, 8-9=-2183/0, 9-10=-890/0
BOT CHORD 19-20=0/2690, 18-19=0/2690, 17-18=0/3412, 16-17=0/3610, 15-16=0/3364, 14-15=0/2737,
13-14=0/1664, 12-13=0/1664
WEBS 7-15=-357/0, 2-20=-2399/0, 1-20=0/1662, 2-18=0/476, 4-18=-445/0, 5-16=-504/0,
10-12=0/1116, 9-12=-1008/0, 9-14=0/676, 8-14=-721/0, 8-15=0/917

- NOTES-** (5)
1) Unbalanced floor live loads have been considered for this design.
2) Load case(s) 1, 2, 3, 4, 5, 6 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
4) CAUTION, Do not erect truss backwards.

- LOAD CASE(S)** Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 11-21=-7, 1-10=-67
Concentrated Loads (lb)
Vert: 2=-1000
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 11-21=-7, 1-10=-67
Concentrated Loads (lb)
Vert: 2=-1000
3) 1st chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 11-21=-7, 1-7=-67, 7-10=-13



Continued on page 2

3/3/2025

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 0.0013 CAMPBELL RIDGE 311 ALDEN WAY ANGIER, NC
25-2031-F01	F1-13A	Floor	2	1	Job Reference (optional) # 57301

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Tue Mar 4 12:29:02 2025 Page 2
ID:fcZ0KwZoZQmeXTIMivGJ_CysCYm-RaV?hfkek8XnT3KiSK4viQueejKZYXeBPMW2ALzeJWV

LOAD CASE(S) Standard

- Concentrated Loads (lb)
Vert: 2=-1000
- 4) 2nd chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 11-21=-7, 1-6=-13, 6-10=-67
Concentrated Loads (lb)
Vert: 2=-1000
- 5) 3rd chase Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 11-21=-7, 1-7=-67, 7-10=-13
Concentrated Loads (lb)
Vert: 2=-1000
- 6) 4th chase Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 11-21=-7, 1-6=-13, 6-10=-67
Concentrated Loads (lb)
Vert: 2=-1000



3/3/2025

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 0.0013 CAMPBELL RIDGE 311 ALDEN WAY ANGIER, NC
25-2031-F01	F1-14	Floor	3	1	
					# 57301

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Tue Mar 4 12:29:03 2025 Page 1
ID:fcZ0KwZoZQmeXTiMivGJ_CysCYm-vm2Nu?kGVsfe5Dvv02b8FdR6s7ejH1mKe0FciozeJWU

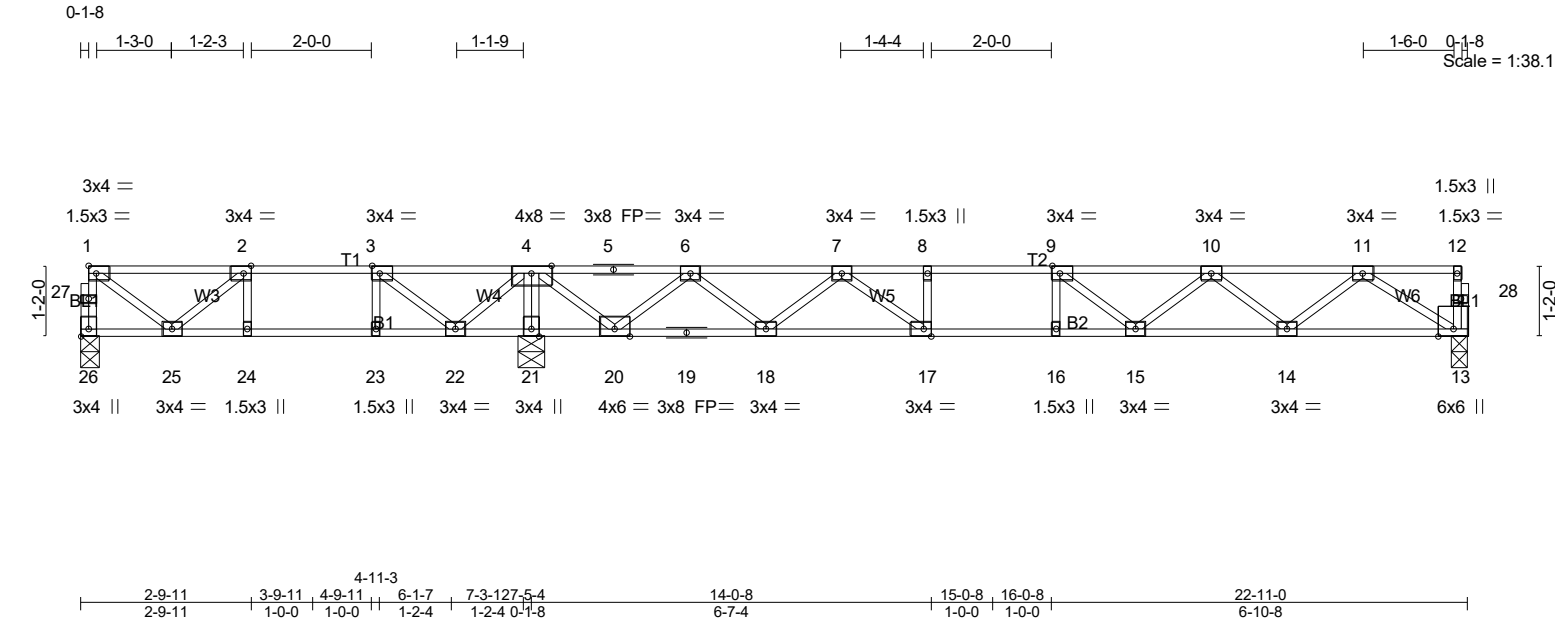


Plate Offsets (X,Y)-- [2:0-1-8,Edge], [3:0-1-8,Edge], [9:0-1-8,Edge], [17:0-1-8,Edge], [26:Edge,0-1-8]	
LOADING (psf)	SPACING-- 2-0-0
TCLL 40.0	Plate Grip DOL 1.00
TCDL 10.0	Lumber DOL 1.00
BCLL 0.0	Rep Stress Incr YES
BCDL 5.0	Code IRC2021/TPI2014
CSI.	TC 0.51
	BC 0.84
	WB 0.61
	Matrix-SH
DEFL.	in (loc) l/defl L/d
Vert(LL)	-0.17 15-16 >999 480
Vert(CT)	-0.23 15-16 >788 360
Horz(CT)	0.04 13 n/a n/a
PLATES	GRIP
MT20	244/190
Weight: 113 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) 26=266/0-3-8 (min. 0-1-8), 21=1438/0-5-4 (min. 0-1-8), 13=776/0-3-8 (min. 0-1-8)
Max Uplift 26=-14(LC 4)
Max Grav 26=353(LC 3), 21=1438(LC 1), 13=789(LC 7)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 26-27=-352/6, 1-27=-352/6, 1-2=-321/59, 2-3=-543/246, 3-4=-108/602, 4-5=-317/0, 5-6=-317/0, 6-7=-1767/0, 7-8=-2709/0, 8-9=-2709/0, 9-10=-2537/0, 10-11=-1730/0
BOT CHORD 24-25=-246/543, 23-24=-246/543, 22-23=-246/543, 21-22=-1013/0, 20-21=-1009/0, 19-20=0/1218, 18-19=0/1218, 17-18=0/2306, 16-17=0/2709, 15-16=0/2709, 14-15=0/2303, 13-14=0/1125
WEBS 8-17=-274/0, 4-21=-1382/0, 1-25=-75/383, 2-25=-289/243, 3-22=-796/0, 4-22=0/597, 4-20=0/1275, 6-20=-1184/0, 6-18=0/755, 7-18=-752/0, 7-17=0/705, 9-15=-388/47, 10-15=0/359, 10-14=-746/0, 11-14=0/787, 11-13=-1333/0

NOTES- (5)
1) Unbalanced floor live loads have been considered for this design.
2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 14 lb uplift at joint 26.
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



3/3/2025

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 0.0013 CAMPBELL RIDGE 311 ALDEN WAY ANGIER, NC
25-2031-F01	F1-14A	Floor	1	1	
					Job Reference (optional) # 57301

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Tue Mar 4 12:29:03 2025 Page 1
ID:fcZ0KwZoZQmeXTiMivGJ_CysCYm-vm2Nu?kGVsf5Dvv02b8FdR7W7eQH3uKe0FciozeJWU

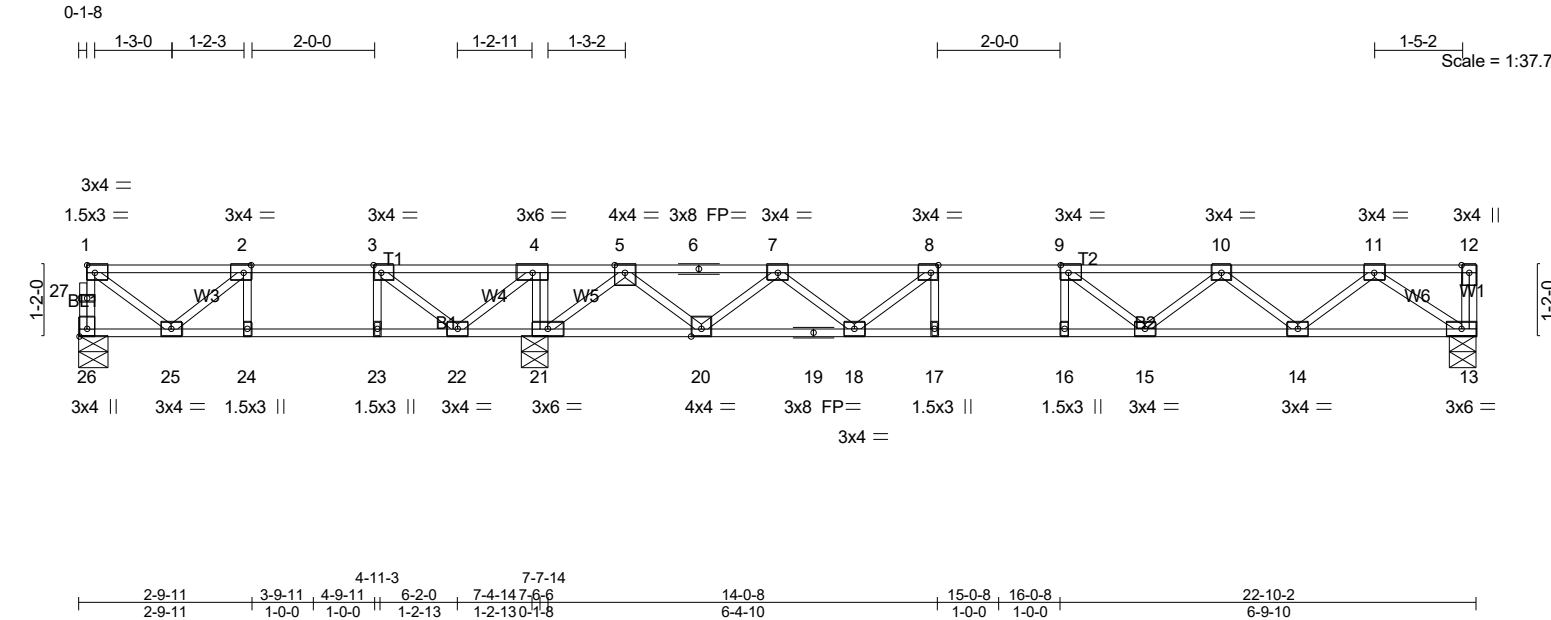


Plate Offsets (X,Y)-- [2:0-1-8,Edge], [3:0-1-8,Edge], [8:0-1-8,Edge], [9:0-1-8,Edge], [26:Edge,0-1-8]									
LOADING (psf)		SPACING 2-0-0		CSI		DEFL. in (loc) l/defl L/d		PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.47	Vert(LL)	-0.17 15-16 >999 480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.86	Vert(CT)	-0.23 15-16 >809 360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.47	Horz(CT)	0.04 13 n/a n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH				Weight: 114 lb FT = 20%F, 11%E	

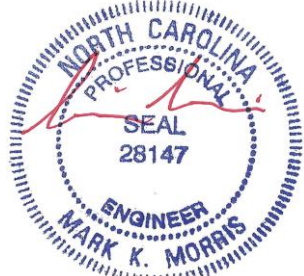
LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.1(flat)	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.1(flat)	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	2x4 SP No.3(flat)		

REACTIONS. (lb/size) 26=268/0-5-8 (min. 0-1-8), 21=1441/0-5-4 (min. 0-1-8), 13=770/0-5-8 (min. 0-1-8)
Max Uplift 26=-14(LC 4)
Max Grav 26=355(LC 3), 21=1441(LC 1), 13=784(LC 7)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 26-27=-355/6, 1-27=-354/6, 1-2=-325/59, 2-3=-553/242, 3-4=-123/608, 4-5=0/1063, 5-6=-1096/0, 6-7=-1096/0, 7-8=-2196/0, 8-9=-2637/0, 9-10=-2465/0, 10-11=-1666/0
BOT CHORD 24-25=-242/553, 23-24=-242/553, 22-23=-242/553, 21-22=-1063/0, 20-21=-21/369, 19-20=0/1795, 18-19=0/1795, 17-18=0/2637, 16-17=0/2637, 15-16=0/2637, 14-15=0/2234, 13-14=0/1066
WEBS 4-21=-573/0, 1-25=-75/387, 2-25=-298/239, 3-22=-803/0, 4-22=0/652, 8-18=-691/0, 7-18=0/565, 7-20=-950/0, 5-20=0/991, 5-21=-1395/0, 9-15=-383/51, 10-15=0/346, 10-14=-740/0, 11-14=0/781, 11-13=-1284/0

- NOTES-** (5)
1) Unbalanced floor live loads have been considered for this design.
2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 14 lb uplift at joint 26.
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

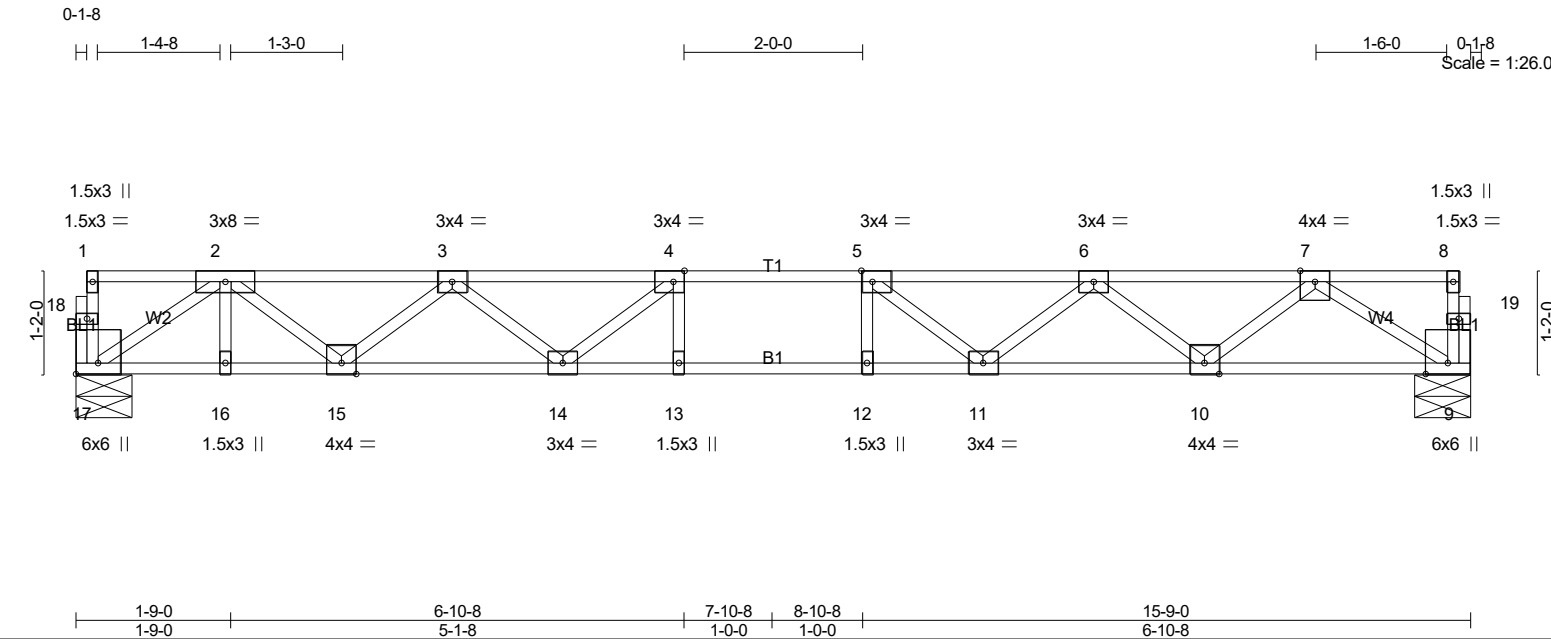


3/3/2025

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 0.0013 CAMPBELL RIDGE 311 ALDEN WAY ANGIER, NC
25-2031-F01	F1-15	Floor	6	1	Job Reference (optional) # 57301

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Tue Mar 4 12:29:03 2025 Page 1
ID:fcZ0KwZoZQmeXTIMivGJ_CysCYm-vm2Nu?kGVsfe5Dvv02b8FdR9u7fEH4dKe0FciozeJWU



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.38	Vert(LL)	-0.17 12-13	>999	480	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.80	Vert(CT)	-0.24 12-13	>771	360		
BCLL 0.0	Rep Stress Incr	YES	WB 0.42	Horz(CT)	0.05 9	n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH						
								Weight: 79 lb	FT = 20%F, 11%E

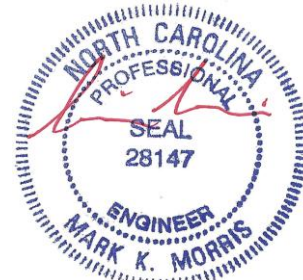
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (lb/size) 17=846/0-7-8 (min. 0-1-8), 9=846/0-7-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1881/0, 3-4=-2834/0, 4-5=-3140/0, 5-6=-2832/0, 6-7=-1886/0
BOT CHORD 16-17=0/1183, 15-16=0/1183, 14-15=0/2519, 13-14=0/3140, 12-13=0/3140, 11-12=0/3140, 10-11=0/2519, 9-10=0/1217
WEBS 4-14=-590/0, 3-14=0/478, 3-15=-831/0, 2-15=0/891, 5-11=-591/0, 6-11=0/477, 6-10=-824/0, 7-10=0/871, 7-9=-1441/0, 2-17=-1418/0

NOTES- (3)
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.

LOAD CASE(S) Standard



3/3/2025

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.

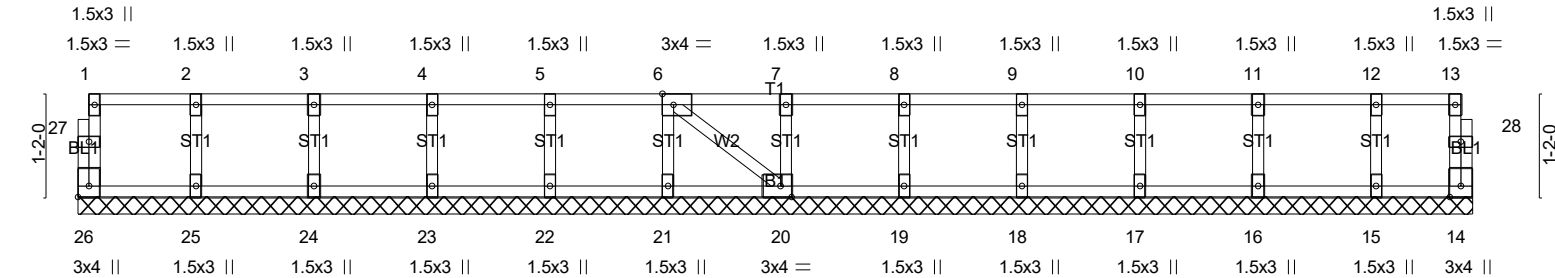
Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 CAMPBELL RIDGE 311 ALDEN WAY ANGIER, NC
25-2031-F01	F1-16	Floor Supported Gable	1	1	Job Reference (optional) # 57301

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Tue Mar 4 12:29:04 2025 Page 1
ID:fcZ0KwZoZQmeXTIMivGJ_CysCYm-Nzcl6LuGmnVjNU5al6Nnr_PjXBw0d?Ttg?9EEZeJwT

0-1-8

0-1-8

Scale = 1:26.0



1-4-0	2-8-0	4-0-0	5-4-0	6-8-0	8-0-0	9-4-0	10-8-0	12-0-0	13-4-0	14-8-0	15-9-0
1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-1-0
Plate Offsets (X,Y)-- [6:0-1-8,Edge], [20:0-1-8,Edge], [26:Edge,0-1-8]											

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(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	14	n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH						Weight: 69 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 15-9-0.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 26, 14, 25, 24, 23, 22, 21, 20, 19, 18, 17, 16, 15

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

NOTES- (5)
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.

LOAD CASE(S) Standard

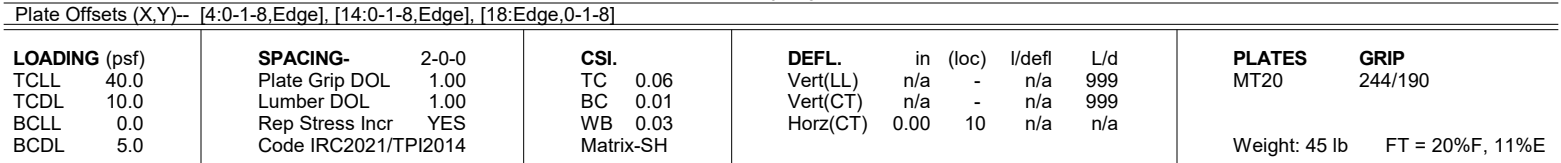


3/3/2025

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.

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Tue Mar 4 12:29:04 2025 Page 1
ID:fcZ0KwZoZQmeXTiMivGJ_CysCYm-Nzcl6LluGmnVjNU5al6Nnr_PiXBwOd?Ttg?9EEzeJwT

Scale = 1:17.8



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.

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

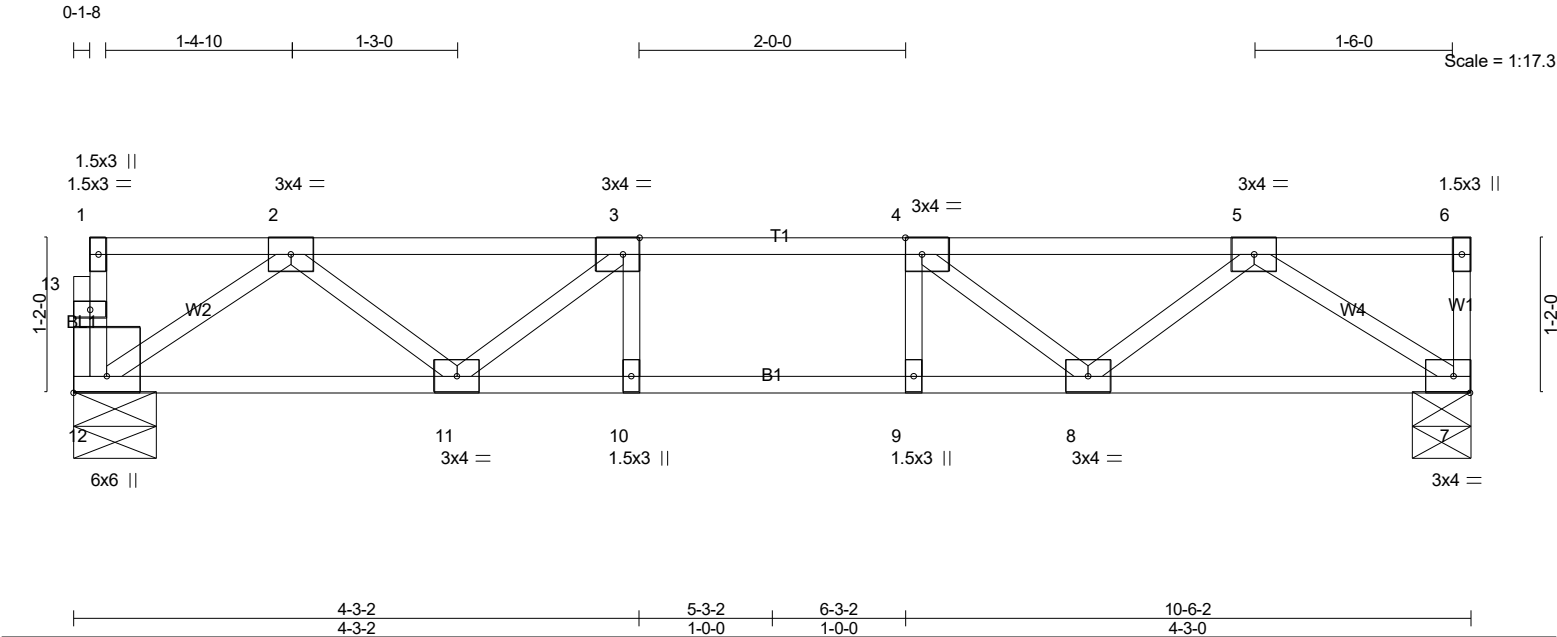


3/3/2025

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 0.0013 CAMPBELL RIDGE 311 ALDEN WAY ANGIER, NC
25-2031-F01	F1-19	Floor	5	1	
					Job Reference (optional) # 57301

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Tue Mar 4 12:29:04 2025 Page 1
ID:fcZ0KwZoZQmeXTIMivGJ_CysCYm-Nzcl6LluGmnVjNU5al6Nnr_MpX5D0a4Ttg?9EEzeJwT



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.24	Vert(LL)	-0.06	8-9	>999	480	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.44	Vert(CT)	-0.08	9	>999	360		
BCLL 0.0	Rep Stress Incr	YES	WB 0.22	Horz(CT)	0.02	7	n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH							
									Weight: 52 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) 12=562/0-7-8 (min. 0-1-8), 7=568/0-5-4 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1068/0, 3-4=-1386/0, 4-5=-1082/0
BOT CHORD 11-12=0/737, 10-11=0/1386, 9-10=0/1386, 8-9=0/1386, 7-8=0/759
WEBS 3-11=-451/0, 2-11=0/432, 2-12=-892/0, 4-8=-439/0, 5-8=0/420, 5-7=-912/0

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



3/3/2025

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.