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

AST #: 57151
JOB: 25-1836-F01
JOB NAME: LOT 0.0025 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.
17 Truss Design(s)

Trusses:

F1-02, F1-04, F1-05, F1-06, F1-09, F1-10, F1-13, F1-17, F1-19, F1-20, F1-21, F1-24, F1-25, F1-26, F1-33, F1-34, F1-35



2/25/2025

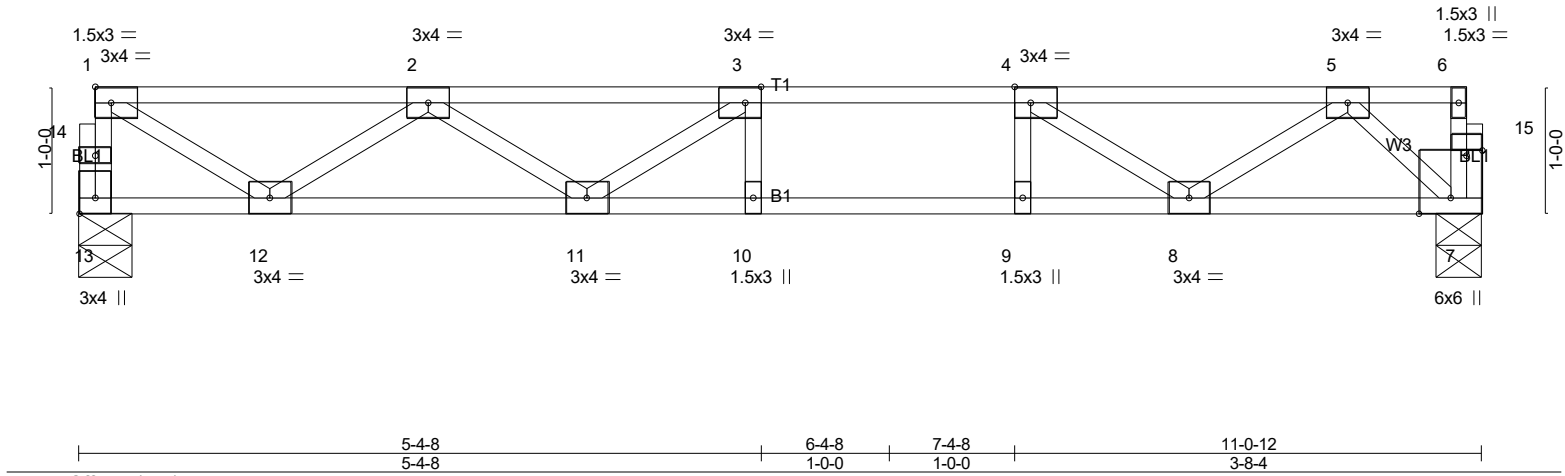
Mark Morris

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

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0025 CAMPBELL RIDGE 63 PINON DRIVE ANGIER, NC
25-1836-F01	F1-02	Floor	12	1	Job Reference (optional) # 57151

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Wed Feb 26 15:11:06 2025 Page 1
ID:NhdZw5s0Dh7hITo5czbXajzw2yy-arRBLDu_cDFSd_v4Lfs8CuoQpEMHvMsYb0nRmczhF_Z



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 0.41	Vert(LL) -0.12 10-11 >999 480	MT20	244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.71	Vert(CT) -0.15 10-11 >852 360		
BCLL 0.0	Rep Stress Incr YES	WB 0.41	Horz(CT) 0.02 7 n/a n/a		
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH			
				Weight: 53 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) 13=588/0-5-0 (min. 0-1-8), 7=588/0-4-8 (min. 0-1-8)

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

TOP CHORD 13-14=-581/0, 1-14=-580/0, 1-2=-764/0, 2-3=-1648/0, 3-4=-1761/0, 4-5=-1144/0

BOT CHORD 11-12=0/1432, 10-11=0/1761, 9-10=0/1761, 8-9=0/1761, 7-8=0/603

WEBS 3-11=-313/22, 2-11=0/313, 2-12=-816/0, 1-12=0/868, 4-8=-742/0, 5-8=0/660, 5-7=-824/0

NOTES- (3-7)

- 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.
- Trusses designed with 2018 IRC also comply with 2015 IRC.
- Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
- 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.
- Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
- SEE BCSI-B3 SUMMARY SHEET - PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard



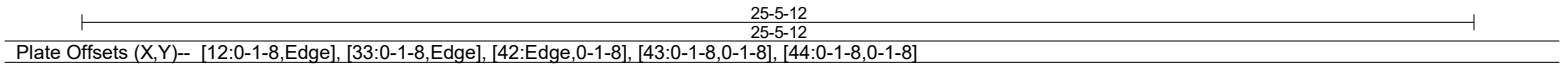
2/25/2025

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Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Wed Feb 26 15:11:07 2025 Page 1
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0-1-8

Scale = 1:42.2



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

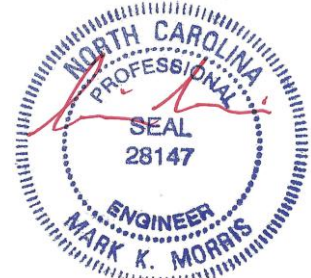
REACTIONS. All bearings 25-5-12.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 42, 22, 41, 40, 39, 38, 37, 36, 35, 34, 33, 32, 30, 29, 28, 27, 26, 25, 24, 23

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

NOTES- (5-9)

- 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) Trusses designed with 2018 IRC also comply with 2015 IRC.
- 6) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
- 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.
- 8) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
- 9) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAINING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard

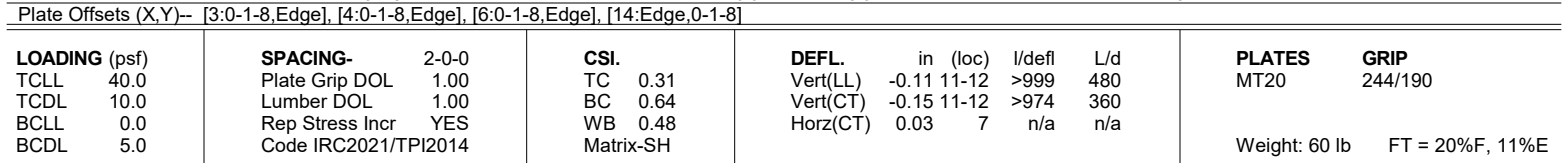


2/25/2025

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Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Wed Feb 26 15:11:08 2025 Page 1
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0-11-12 0-1-8
Scale = 1:20.5



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.

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 14-15=-661/0, 1-15=-660/0, 7-16=-664/0, 6-16=-663/0, 1-2=-884/0, 2-3=-1994/0, 3-4=-2312/0, 4-5=-1912/0, 5-6=-729/0
BOT CHORD 12-13=0/1652, 11-12=0/2312, 10-11=0/2312, 9-10=0/2312, 8-9=0/1515
WEBS 3-12=-521/0, 2-12=0/446, 2-13=-938/0, 1-13=0/1005, 4-9=-588/0, 5-9=0/489, 5-8=-959/0, 6-8=0/890

NOTES- (3-7)

- 1) Unbalanced floor live loads have been considered for this design.
- 2) 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.
- 3) Trusses designed with 2018 IRC also comply with 2015 IRC.
- 4) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
- 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.
- 6) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
- 7) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAINING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard

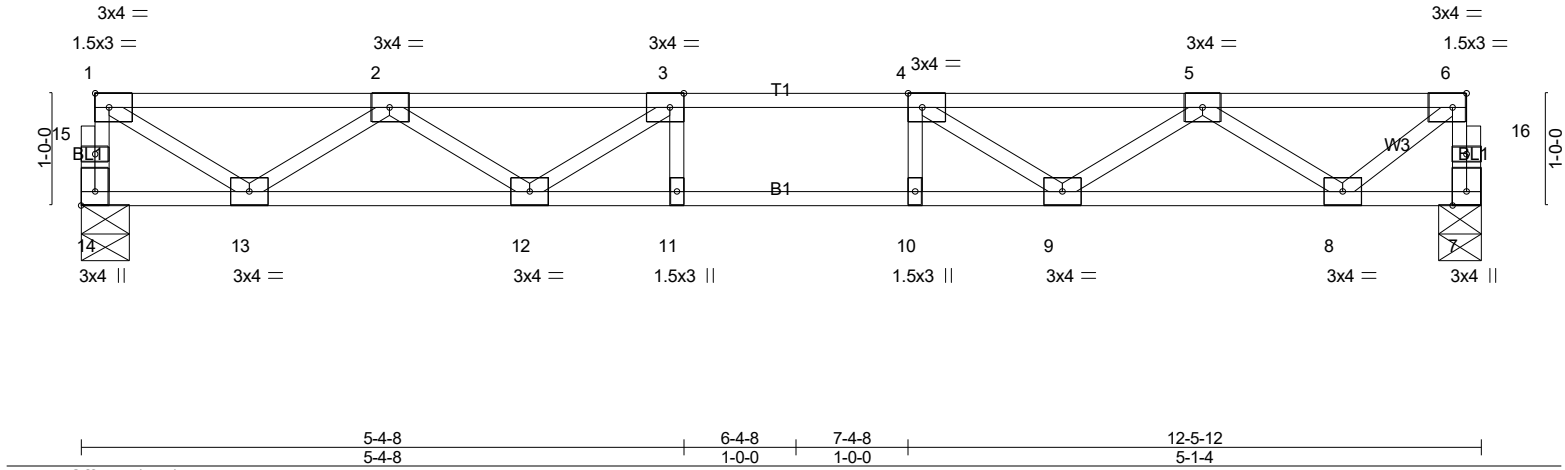
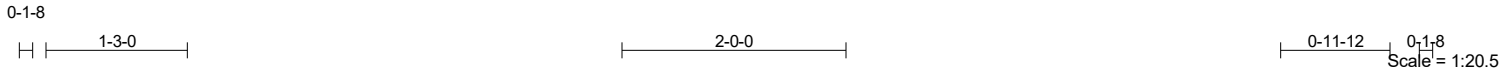


2/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0025 CAMPBELL RIDGE 63 PINON DRIVE ANGIER, NC
25-1836-F01	F1-06	Floor	6	1	Job Reference (optional) # 57151

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Wed Feb 26 15:11:08 2025 Page 1
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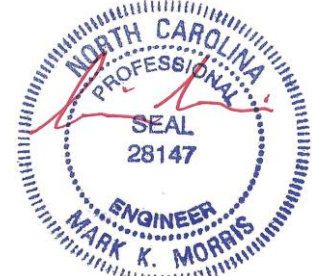
LOADING (psf)	SPACING-	1-4-0	CSL	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.20	Vert(LL)	-0.08	11-12	>999	480	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.43	Vert(CT)	-0.10	11	>999	360		
BCLL 0.0	Rep Stress Incr	YES	WB 0.32	Horz(CT)	0.02	7	n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH							
									Weight: 60 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)	14=444/0-5-0 (min. 0-1-8), 7=444/0-4-8 (min. 0-1-8)
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	14-15=-441/0, 1-15=-440/0, 7-16=-443/0, 6-16=-442/0, 1-2=-589/0, 2-3=-1330/0, 3-4=-1541/0, 4-5=-1274/0, 5-6=-486/0
BOT CHORD	12-13=0/1101, 11-12=0/1541, 10-11=0/1541, 9-10=0/1541, 8-9=0/1010
WEBS	3-12=-348/0, 2-12=0/297, 2-13=-625/0, 1-13=0/670, 4-9=-392/0, 5-9=0/326, 5-8=-640/0, 6-8=0/593

- NOTES-** (3-7)
- 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.
 - Trusses designed with 2018 IRC also comply with 2015 IRC.
 - Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
 - 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.
 - Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
 - SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAINING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard



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Job	Truss	Truss Type	Qty	Ply	LOT 0.0025 CAMPBELL RIDGE 63 PINON DRIVE ANGIER, NC
25-1836-F01	F1-09	Floor	7	1	
					# 57151
					Job Reference (optional)

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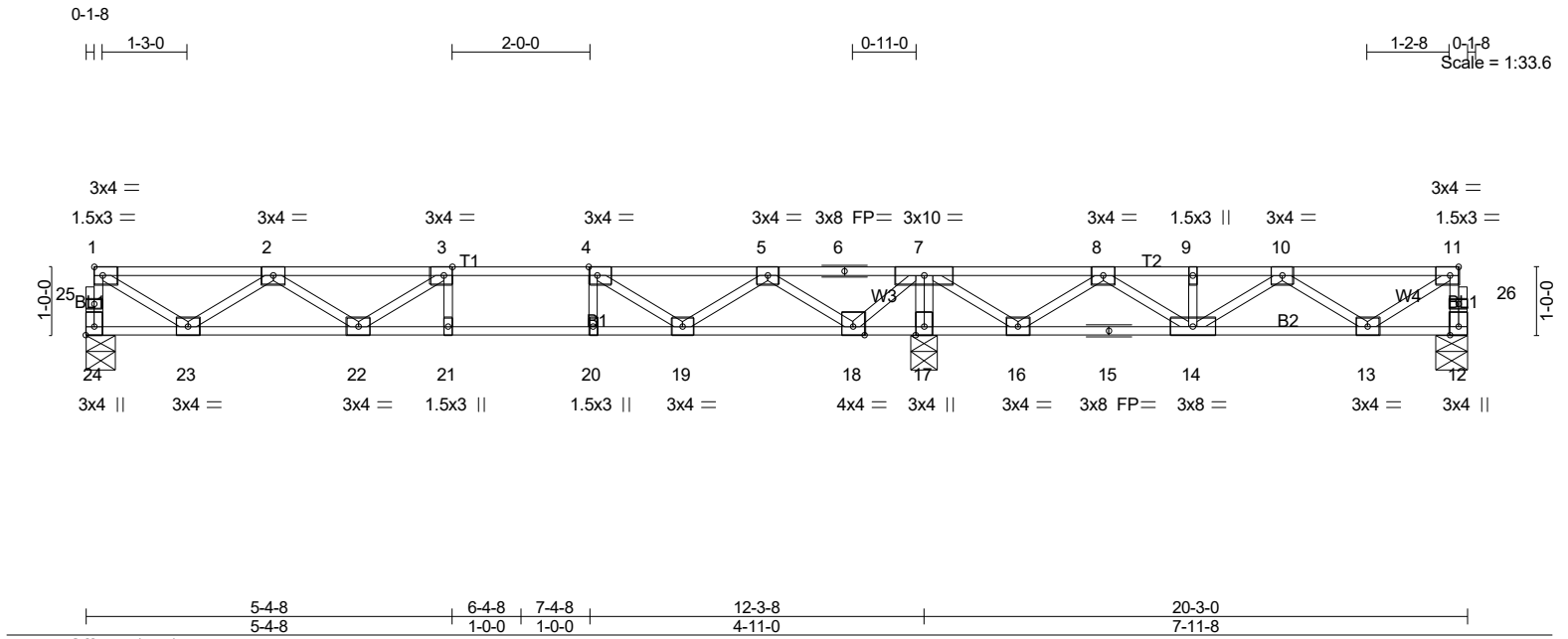


Plate Offsets (X,Y)--		[3:0-1-8,Edge], [4:0-1-8,Edge], [11:0-1-8,Edge], [24:Edge,0-1-8]
LOADING (psf)	SPACING	2-0-0
TCLL 40.0	Plate Grip DOL	1.00
TCDL 10.0	Lumber DOL	1.00
BCLL 0.0	Rep Stress Incr	YES
BCDL 5.0	Code IRC2021/TPI2014	
	CSI	
	TC 0.42	
	BC 0.72	
	WB 0.47	
	Matrix-SH	
	DEFL.	in (loc) l/defl L/d
	Vert(LL) -0.12 21-22	>999 480
	Vert(CT) -0.16 21-22	>940 360
	Horz(CT) 0.02 17	n/a n/a
	PLATES	GRIP
	MT20	244/190
	Weight: 99 lb FT = 20%F, 11%E	

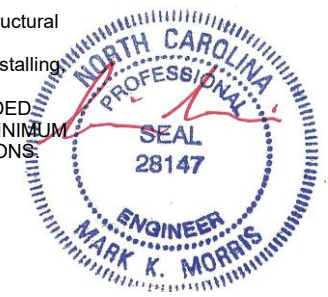
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (lb/size) 24=572/0-5-0 (min. 0-1-8), 12=284/0-5-8 (min. 0-1-8), 17=1331/0-4-8 (min. 0-1-8)
Max Uplift12=-2(LC 3)
Max Grav24=587(LC 3), 12=364(LC 4), 17=1331(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 24-25=-580/0, 1-25=-578/0, 12-26=-359/6, 11-26=-358/5, 1-2=-761/0, 2-3=-1641/0, 3-4=-1749/0, 4-5=-1135/0, 5-6=0/596, 6-7=0/596, 7-8=-65/712, 8-9=-687/253, 9-10=-687/253, 10-11=-396/38
BOT CHORD 22-23=0/1428, 21-22=0/1749, 20-21=0/1749, 19-20=0/1749, 18-19=-64/602, 17-18=-1245/0, 16-17=-1229/0, 15-16=-467/545, 14-15=-467/545, 13-14=-106/731
WEBS 7-17=-1304/0, 2-22=0/260, 2-23=-814/0, 1-23=0/865, 4-19=-789/0, 5-19=0/686, 5-18=-1054/0, 7-18=0/978, 7-16=0/786, 8-16=-723/0, 8-14=0/336, 10-13=-409/82, 11-13=-46/450

NOTES- (5-9)
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 2 lb uplift at joint 12.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
4) CAUTION, Do not erect truss backwards.
5) Trusses designed with 2018 IRC also comply with 2015 IRC.
6) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
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.
8) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
9) SEE BCSI-B3 SUMMARY SHEET - PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard



2/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0025 CAMPBELL RIDGE 63 PINON DRIVE ANGIER, NC
25-1836-F01	F1-10	Floor Supported Gable	1	1	Job Reference (optional) # 57151

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0'-1'-8"

0'-1'-8"

Scale = 1:19.9

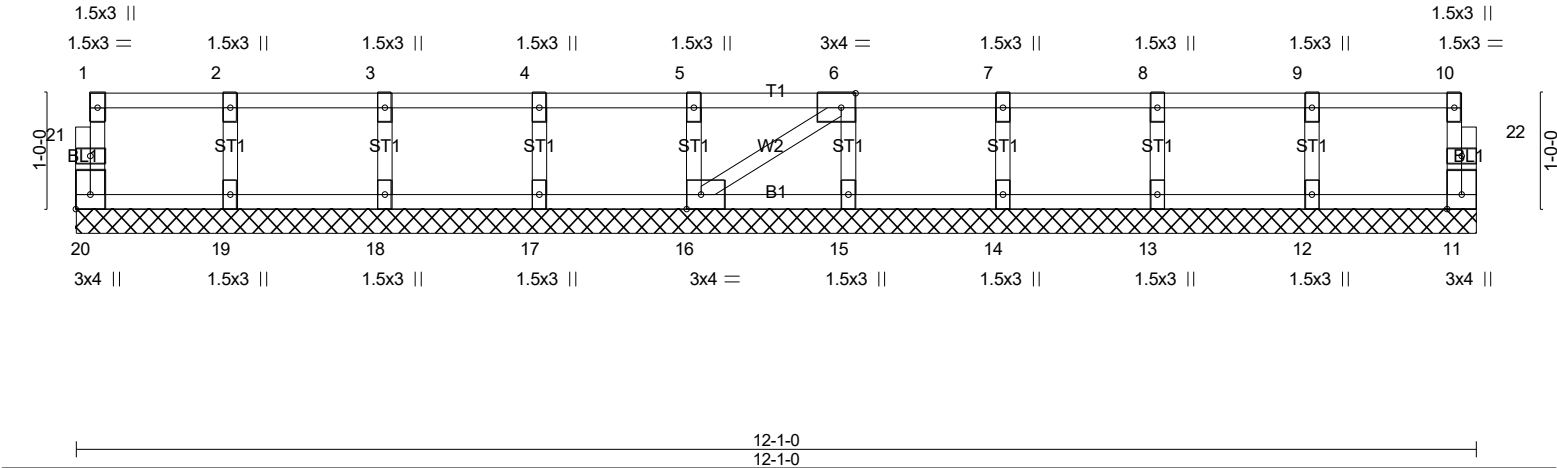


Plate Offsets (X,Y)-- [6:0-1-8,Edge], [16:0-1-8,Edge], [20:Edge,0-1-8]											
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d			PLATES GRIP		
TCLL	40.0	Plate Grip DOL	1.00	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20 244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999	
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	11	n/a	n/a	
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 51 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 12-1-0.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 20, 11, 19, 18, 17, 16, 15, 14, 13, 12

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

- NOTES- (5-9)
- 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.
 - Trusses designed with 2018 IRC also comply with 2015 IRC.
 - Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
 - 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.
 - Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
 - SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAINING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard

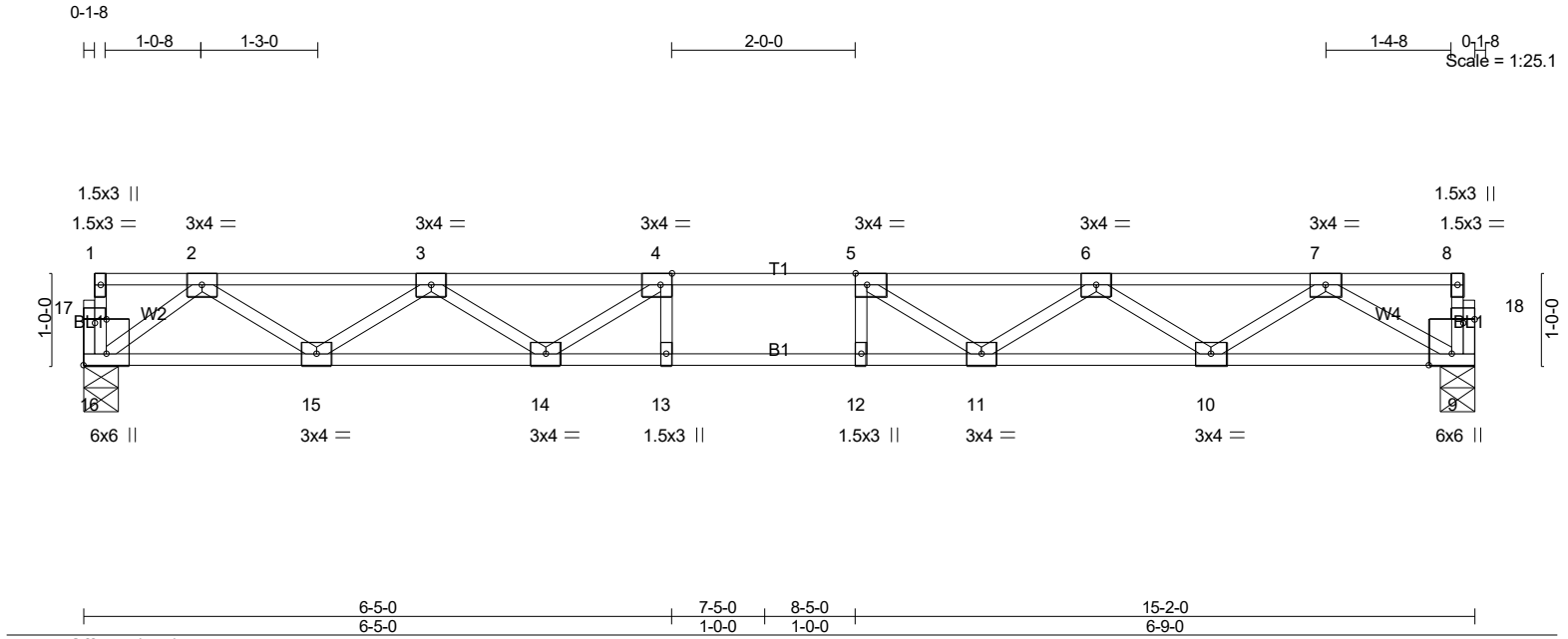


2/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0025 CAMPBELL RIDGE 63 PINON DRIVE ANGIER, NC
25-1836-F01	F1-13	Floor	13	1	Job Reference (optional) # 57151

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Wed Feb 26 15:11:10 2025 Page 1
ID:NhdZw5s0Dh7hITo5czbXajzw2yy-TdgiBaxUgSl6cCraVx4Mkz71rklrAM8WdlevNzhF_V



LOADING (psf)	SPACING-	1-7-3	CSL	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.33	Vert(LL)	-0.17	12	>999	480	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.70	Vert(CT)	-0.23	12-13	>765	360		
BCLL 0.0	Rep Stress Incr	YES	WB 0.38	Horz(CT)	0.04	9	n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH							
									Weight: 72 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) 16=651/0-4-8 (min. 0-1-8), 9=651/0-4-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1485/0, 3-4=-2429/0, 4-5=-2760/0, 5-6=-2507/0, 6-7=-1649/0
BOT CHORD 15-16=0/831, 14-15=0/2107, 13-14=0/2760, 12-13=0/2760, 11-12=0/2760, 10-11=0/2233, 9-10=0/1033
WEBS 4-14=-545/0, 3-14=0/437, 3-15=-759/0, 2-15=0/798, 2-16=-1038/0, 5-11=-481/0, 6-11=0/396, 6-10=-713/0, 7-10=0/752, 7-9=-1193/0

- NOTES-** (3-7)
- 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.
 - Trusses designed with 2018 IRC also comply with 2015 IRC.
 - Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
 - 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.
 - Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
 - SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAINING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard



2/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0025 CAMPBELL RIDGE 63 PINON DRIVE ANGIER, NC
25-1836-F01	F1-17	Floor	5	1	
Job Reference (optional)					# 57151

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0-1-8



0-1-8
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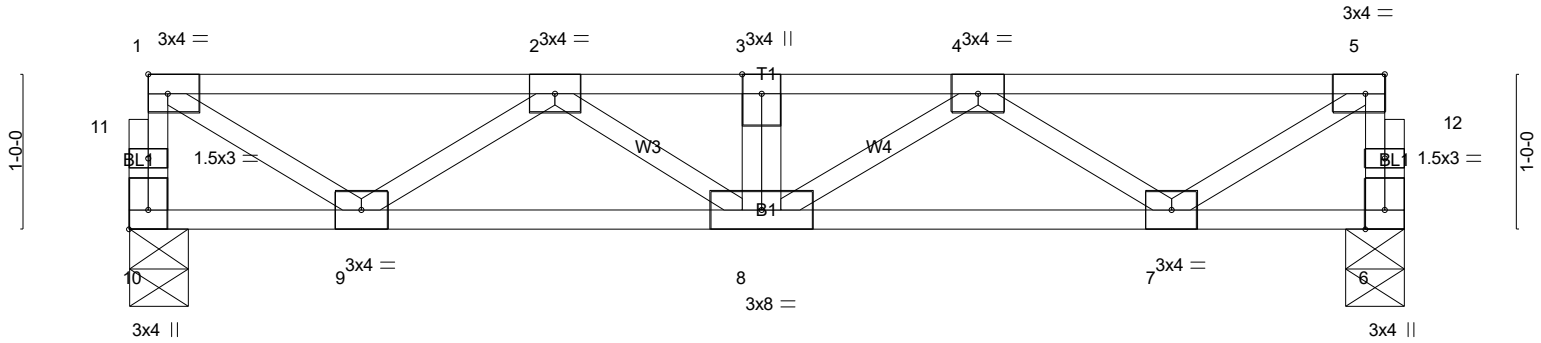


Plate Offsets (X,Y)--	[5:0-1-8,Edge], [10:Edge,0-1-8]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.32	Vert(LL)	-0.02	8	>999	480	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.28	Vert(CT)	-0.04	8	>999	360		
BCLL 0.0	Rep Stress Incr	NO	WB 0.36	Horz(CT)	0.01	6	n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-P							
										Weight: 43 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) 10=533/0-4-8 (min. 0-1-8), 6=532/0-4-8 (min. 0-1-8)

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

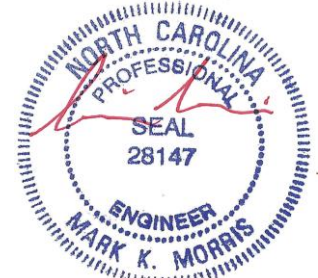
TOP CHORD 10-11=-529/0, 1-11=-528/0, 6-12=-527/0, 5-12=-526/0, 1-2=-671/0, 2-3=-1440/0, 3-4=-1439/0, 4-5=-669/0
BOT CHORD 8-9=0/1243, 7-8=0/1239
WEBS 1-9=0/761, 2-9=-699/0, 5-7=0/759, 4-7=-695/0

NOTES- (4-8)

- 1) Load case(s) 1, 2 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- 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) Trusses designed with 2018 IRC also comply with 2015 IRC.
- 5) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
- 6) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
- 7) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
- 8) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAINING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S)

- 1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 6-10=-10, 1-5=-100
Concentrated Loads (lb)
Vert: 3=-200
- 2) Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 6-10=-10, 1-5=-100
Concentrated Loads (lb)
Vert: 3=-200



2/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0025 CAMPBELL RIDGE 63 PINON DRIVE ANGIER, NC
25-1836-F01	F1-19	Floor	2	1	Job Reference (optional) # 57151

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0-1-8



0-1-8
Scale = 1:14.7

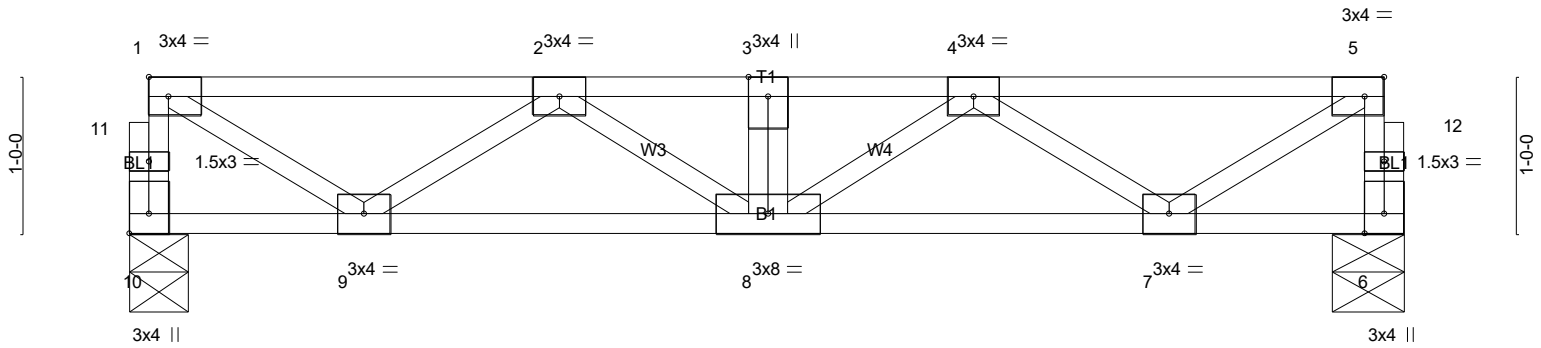


Plate Offsets (X,Y)-- [5:0-1-8,Edge], [10:Edge,0-1-8]	4-1-0	8-1-12
	4-1-0	4-0-12

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 0.32	Vert(LL)	-0.02	8	>999	480	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.28	Vert(CT)	-0.04	8	>999	360		
BCLL 0.0	Rep Stress Incr	NO	WB 0.36	Horz(CT)	0.01	6	n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-P							
									Weight: 43 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) 10=528/0-4-8 (min. 0-1-8), 6=528/0-5-8 (min. 0-1-8)

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

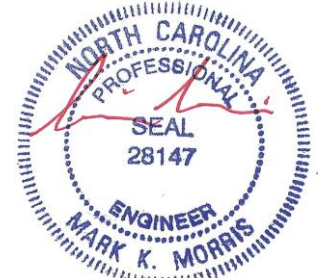
TOP CHORD 10-11=-523/0, 1-11=-522/0, 6-12=-524/0, 5-12=-522/0, 1-2=-662/0, 2-3=-1412/0, 3-4=-1413/0, 4-5=-663/0
BOT CHORD 8-9=0/1227, 7-8=0/1228
WEBS 1-9=0/751, 2-9=-689/0, 5-7=0/752, 4-7=-690/0

NOTES- (4-8)

- 1) Load case(s) 1, 2 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- 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) Trusses designed with 2018 IRC also comply with 2015 IRC.
- 5) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
- 6) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
- 7) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
- 8) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAINING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S)

- 1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 6-10=-10, 1-5=-100
Concentrated Loads (lb)
Vert: 3=-200
- 2) Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 6-10=-10, 1-5=-100
Concentrated Loads (lb)
Vert: 3=-200



2/25/2025

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0-1-8

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)		
OTHERS	2x4 SP No.3(flat)		

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

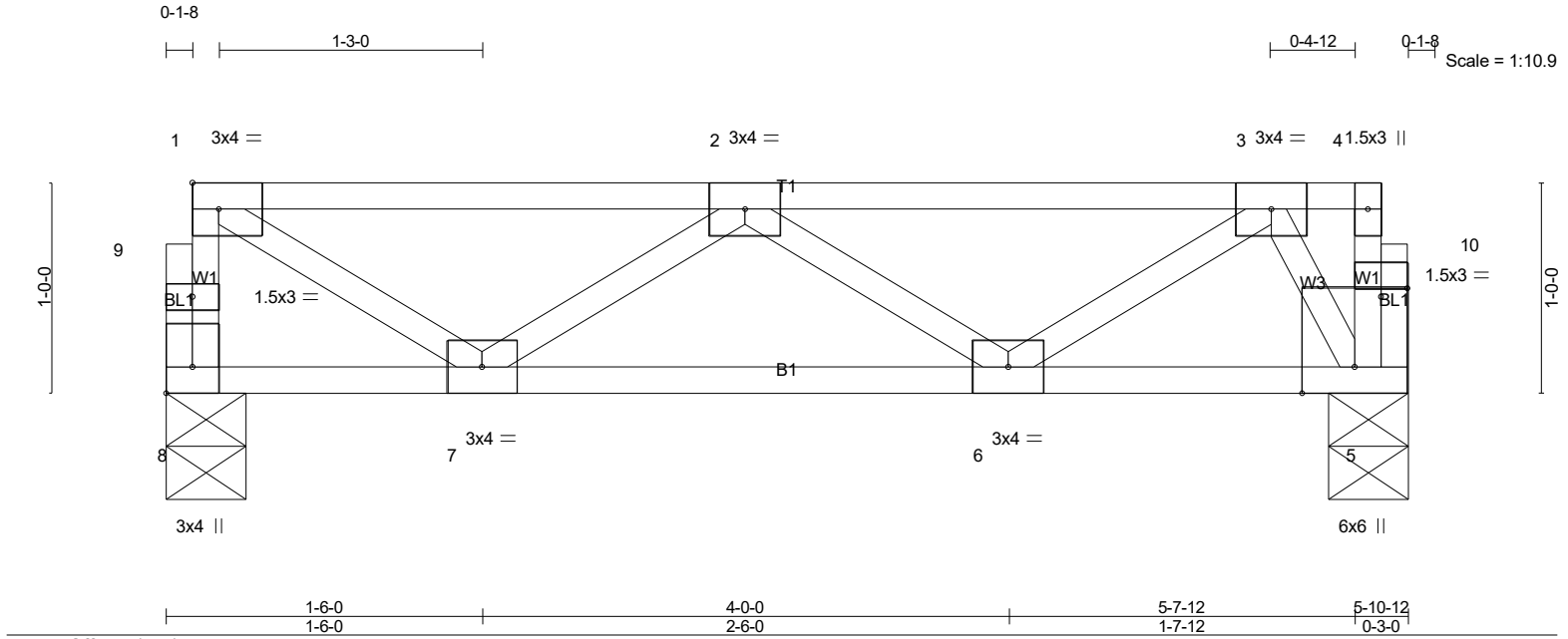
A circular professional engineer seal for the State of North Carolina. The outer ring contains the text "NORTH CAROLINA" at the top and "ENGINEER" at the bottom. Inside the ring, the word "PROFESSIONAL" is at the top and "SEAL" is in the center. Below "SEAL" is the number "28147". The name "MARK K. MORRIS" is written in a cursive script across the seal.

2/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0025 CAMPBELL RIDGE 63 PINON DRIVE ANGIER, NC
25-1836-F01	F1-21	Floor	5	1	
Job Reference (optional)					# 57151

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Wed Feb 26 15:11:12 2025 Page 1
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LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	40.0	Plate Grip DOL	1.00	TC	0.18	Vert(LL)	-0.00	MT20	244/190		
TCDL	10.0	Lumber DOL	1.00	BC	0.08	Vert(CT)	-0.01				
BCLL	0.0	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.00				
BCDL	5.0	Code IRC2021/TPI2014		Matrix-P							
								Weight: 31 lb FT = 20%F, 11%E			

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.1(flat)	TOP CHORD	Structural wood sheathing directly applied or 5-10-12 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) 8=203/0-4-8 (min. 0-1-8), 5=203/0-4-8 (min. 0-1-8)	
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	2-3=-269/0
BOT CHORD	6-7=0/380
WEBS	3-5=-272/0

- NOTES-** (2-6)
- 1) 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.
 - 2) Trusses designed with 2018 IRC also comply with 2015 IRC.
 - 3) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
 - 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.
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 - 6) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAINING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

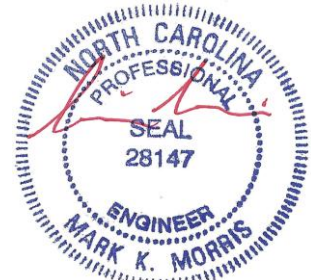
LOAD CASE(S) Standard



2/25/2025

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0-1-8

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



2/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0025 CAMPBELL RIDGE 63 PINON DRIVE ANGIER, NC
25-1836-F01	F1-26	Floor	18	1	
					# 57151

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Wed Feb 26 15:11:13 2025 Page 1
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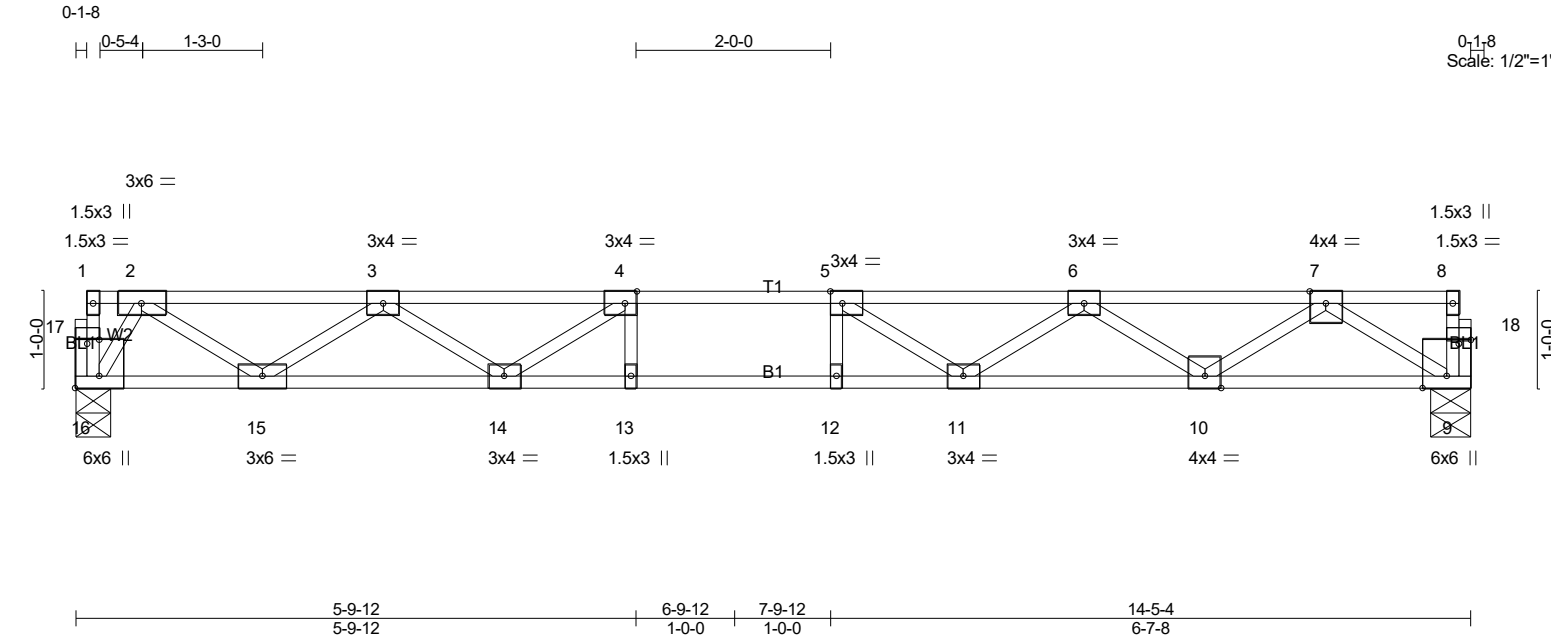
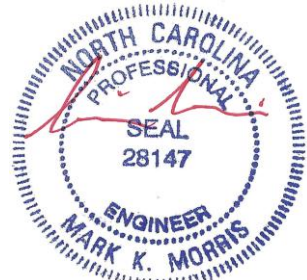


Plate Offsets (X,Y)--		[4:0-1-8,Edge], [5:0-1-8,Edge], [16:Edge,0-3-0], [17:0-1-8,0-0-8], [18:0-1-8,0-0-8]	
LOADING (psf)	SPACING-	2-0-0	CSL
TCLL 40.0	Plate Grip DOL	1.00	TC 0.44
TCDL 10.0	Lumber DOL	1.00	BC 0.88
BCLL 0.0	Rep Stress Incr	YES	WB 0.49
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH
			DEFL.
			in (loc) l/defl L/d
			Vert(LL) -0.19 12 >915 480
			Vert(CT) -0.26 12 >665 360
			Horz(CT) 0.04 9 n/a n/a
			PLATES GRIP
			MT20 244/190
			Weight: 70 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)	
16=774/0-4-8 (min. 0-1-8), 9=774/0-5-0 (min. 0-1-8)	
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD 2-3=-1373/0, 3-4=-2629/0, 4-5=-3112/0, 5-6=-2865/0, 6-7=-1868/0	
BOT CHORD 15-16=0/526, 14-15=0/2180, 13-14=0/3112, 12-13=0/3112, 11-12=0/3112, 10-11=0/2566, 9-10=0/1134	
WEBS 4-14=-719/0, 3-14=0/571, 3-15=-986/0, 2-15=0/1033, 2-16=-981/0, 5-11=-522/1, 6-11=0/445, 6-10=-852/0, 7-10=0/896, 7-9=-1341/0	

- NOTES- (3-7)
- 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) Trusses designed with 2018 IRC also comply with 2015 IRC.
 - 4) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
 - 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.
 - 6) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
 - 7) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAINING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard

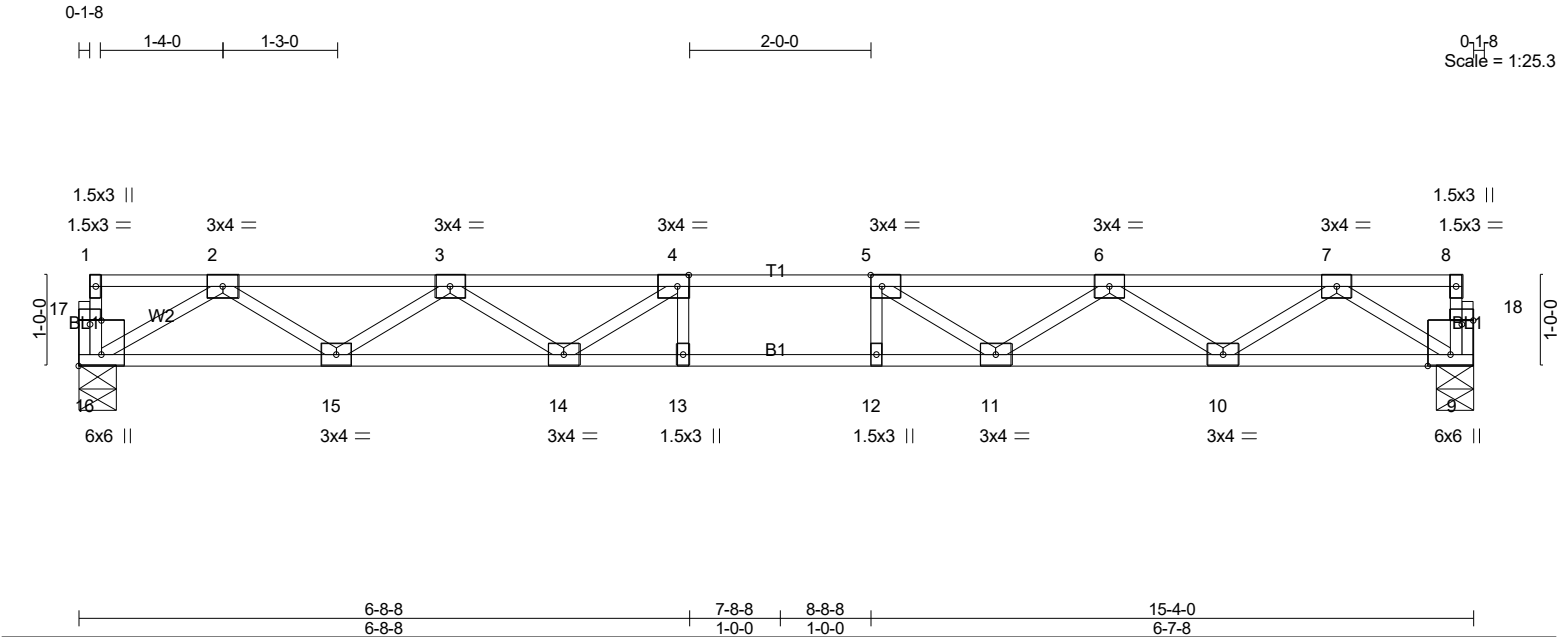


2/25/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0025 CAMPBELL RIDGE 63 PINON DRIVE ANGIER, NC
25-1836-F01	F1-33	Floor	2	1	
					# 57151

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LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	40.0	Plate Grip DOL	1.00	TC	0.25	Vert(LL)	-0.15 12-13 >999 480	MT20		244/190	
TCDL	10.0	Lumber DOL	1.00	BC	0.57	Vert(CT)	-0.20 12-13 >901 360				
BCLL	0.0	Rep Stress Incr	YES	WB	0.31	Horz(CT)	0.04 9 n/a n/a				
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							
										Weight: 73 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) 16=549/0-5-0 (min. 0-1-8), 9=549/0-5-0 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1377/0, 3-4=-2119/0, 4-5=-2354/0, 5-6=-2103/0, 6-7=-1343/0
BOT CHORD 15-16=0/851, 14-15=0/1875, 13-14=0/2354, 12-13=0/2354, 11-12=0/2354, 10-11=0/1849, 9-10=0/809
WEBS 4-14=-425/0, 3-14=0/345, 3-15=-609/0, 2-15=0/642, 2-16=-990/0, 5-11=-438/0, 6-11=0/353, 6-10=-618/0, 7-10=0/651, 7-9=-957/0

- NOTES- (3-7)
- 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) Trusses designed with 2018 IRC also comply with 2015 IRC.
 - 4) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
 - 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.
 - 6) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
 - 7) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAINING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard



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Job	Truss	Truss Type	Qty	Ply	LOT 0.0025 CAMPBELL RIDGE 63 PINON DRIVE ANGIER, NC
25-1836-F01	F1-34	Floor Supported Gable	1	1	Job Reference (optional) # 57151

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Wed Feb 26 15:11:14 2025 Page 1
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0-1-8

0-1-8

Scale = 1:16.5

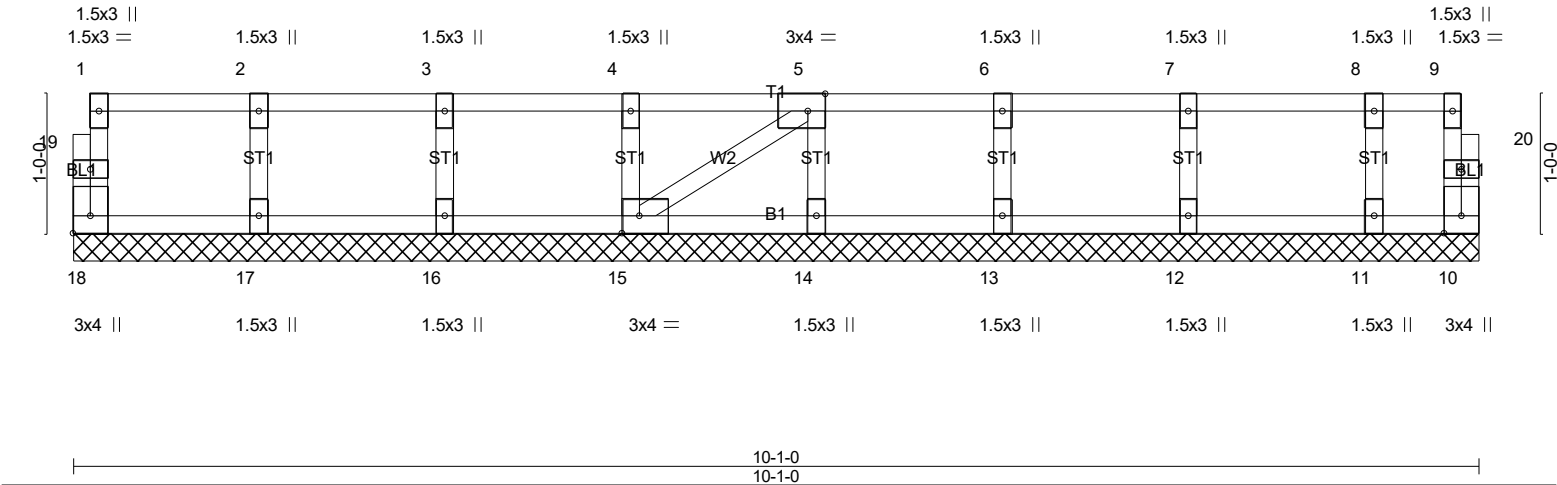


Plate Offsets (X,Y)-- [5:0-1-8,Edge], [15:0-1-8,Edge], [18:Edge,0-1-8]		10-1-0		10-1-0	
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	in (loc)	l/defl L/d
TCLL 40.0	Plate Grip DOL 1.00	TC 0.06	Vert(LL)	n/a -	n/a 999
TCDL 10.0	Lumber DOL 1.00	BC 0.01	Vert(CT)	n/a -	n/a 999
BCLL 0.0	Rep Stress Incr YES	WB 0.03	Horz(CT)	0.00 10	n/a n/a
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH			
			PLATES	GRIP	
			MT20	244/190	
			Weight: 43 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 10-1-0.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 18, 10, 17, 16, 15, 14, 13, 12, 11

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

- NOTES- (5-9)
- 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.
 - Trusses designed with 2018 IRC also comply with 2015 IRC.
 - Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
 - 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.
 - Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
 - SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard



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Job	Truss	Truss Type	Qty	Ply	LOT 0.0025 CAMPBELL RIDGE 63 PINON DRIVE ANGIER, NC
25-1836-F01	F1-35	Floor Supported Gable	1	1	
					Job Reference (optional) # 57151

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Wed Feb 26 15:11:14 2025 Page 1
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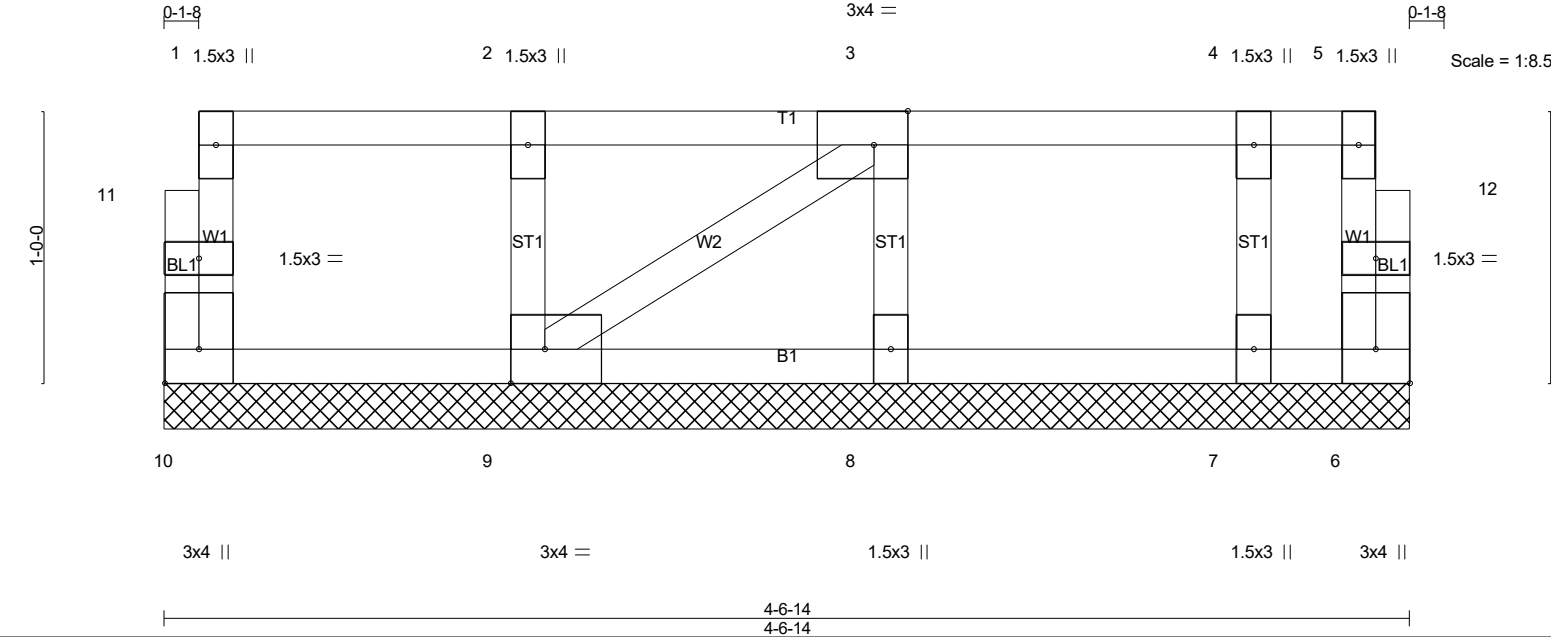


Plate Offsets (X,Y)-- [3:0-1-8,Edge], [6:Edge,0-1-8], [9:0-1-8,Edge], [10:Edge,0-1-8]									
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.		PLATES	
TCLL	40.0	Plate Grip DOL	1.00	TC	0.06	in (loc)	l/defl	L/d	GRIP
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(LL)	n/a	-	MT20
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Vert(CT)	n/a	-	244/190
BCDL	5.0	Code IRC2021/TPI2014		Matrix-P		Horz(CT)	0.00	9	
					Weight: 23 lb FT = 20%F, 11%E				

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.1(flat)	TOP CHORD	Structural wood sheathing directly applied or 4-6-14 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.1(flat)	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 10-0-0 oc bracing: 9-10.
WEBS	2x4 SP No.3(flat)		
OTHERS	2x4 SP No.3(flat)		

REACTIONS. All bearings 4-6-14.
(lb) - Max Uplift All uplift 100 lb or less at joint(s) 6
Max Grav All reactions 250 lb or less at joint(s) 10, 6, 9, 8, 7

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

NOTES- (6-10)
1) Gable requires continuous bottom chord bearing.
2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
3) Gable studs spaced at 1-4-0 oc.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6.
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) Trusses designed with 2018 IRC also comply with 2015 IRC.
7) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
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.
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