

Mark Morris, P.E.

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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 #: 57913

JOB: 25-2454-F02

JOB NAME: LOT 0.0021 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.

18 Truss Design(s)

Trusses:

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



3/24/2025

Mark Morris

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

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

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0021 CAMPBELL RIDGE 141 ALDEN WAY ANGIER, NC
25-2454-F02	F201	Floor	1	1	
					Job Reference (optional) # 57913

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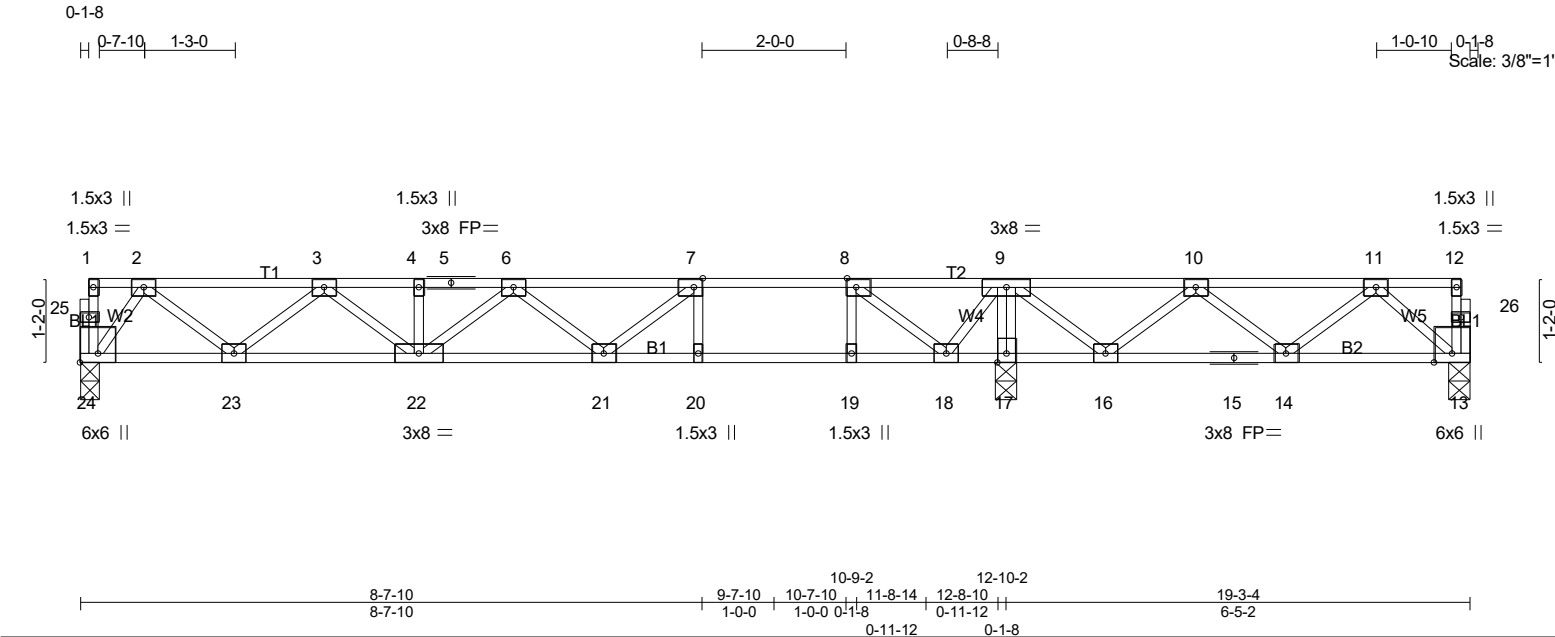


Plate Offsets (X,Y)-- [7:0-1-8,Edge], [8:0-1-8,Edge], [24:Edge,0-3-0]							
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d
TCLL 40.0	Plate Grip DOL	1.00	TC 0.86	Vert(LL)	-0.26 20-21	>596	480
TCDL 10.0	Lumber DOL	1.00	BC 0.89	Vert(CT)	-0.35 20-21	>438	360
BCLL 0.0	Rep Stress Incr	YES	WB 0.37	Horz(CT)	0.03 13	n/a	n/a
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH				
				Weight: 100 lb FT = 20%F, 11%E			

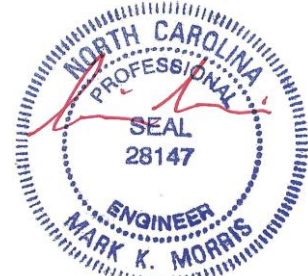
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP SS(flat) *Except* B2: 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 17-18,16-17.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (lb/size) 24=701/0-3-6 (min. 0-1-8), 17=1022/0-3-8 (min. 0-1-8), 13=356/0-3-6 (min. 0-1-8)
Max Grav 24=707(LC 3), 17=1022(LC 1), 13=381(LC 7)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1133/0, 3-4=-2000/0, 4-5=-2000/0, 5-6=-2000/0, 6-7=-2152/0, 7-8=-1717/0, 8-9=-631/0, 9-10=-500/0, 10-11=-571/0
BOT CHORD 23-24=0/528, 22-23=0/1700, 21-22=0/2288, 20-21=0/1717, 19-20=0/1717, 18-19=0/1717, 17-18=-168/258, 16-17=-158/267, 15-16=0/715, 14-15=0/715, 13-14=0/390
WEBS 7-20=-409/0, 8-19=0/470, 9-17=-880/0, 7-21=0/592, 6-22=-368/0, 3-22=0/382, 3-23=-739/0, 2-23=0/787, 2-24=-898/0, 8-18=-1396/0, 9-18=0/716, 9-16=0/397, 10-16=-367/0, 11-13=-518/0

NOTES- (5)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
4) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



3/24/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0021 CAMPBELL RIDGE 141 ALDEN WAY ANGIER, NC
25-2454-F02	F202	Floor	1	1	
					Job Reference (optional) # 57913

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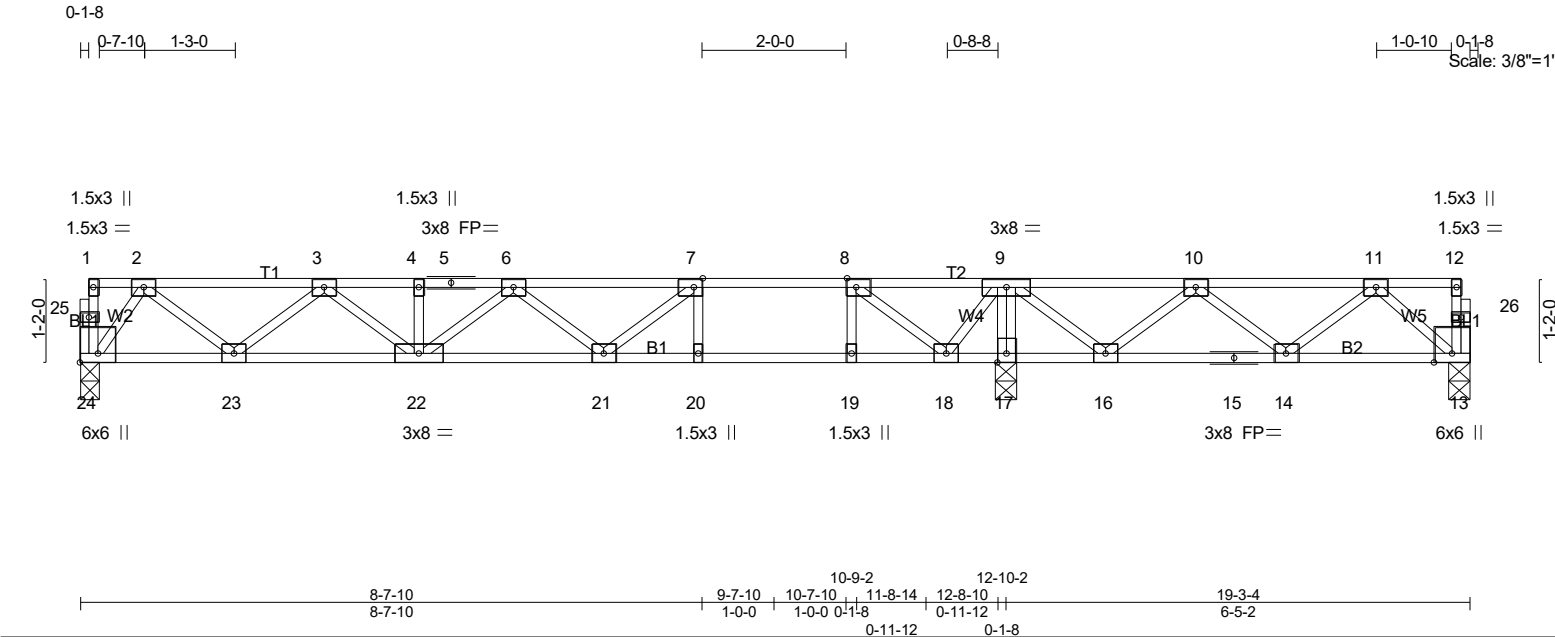


Plate Offsets (X,Y)-- [7:0-1-8,Edge], [8:0-1-8,Edge], [24:Edge,0-3-0]							
LOADING (psf)	SPACING-	1-7-3	CSI.	DEFL.	in (loc)	L/defl	L/d
TCLL 40.0	Plate Grip DOL	1.00	TC 0.68	Vert(LL)	-0.20 20-21	>746	480
TCDL 10.0	Lumber DOL	1.00	BC 0.71	Vert(CT)	-0.28 20-21	>548	360
BCLL 0.0	Rep Stress Incr	YES	WB 0.30	Horz(CT)	0.02 13	n/a	n/a
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH				
				Weight: 100 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 SS(flat) *Except*	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
B2: 2x4 SP No.1(flat)	6-0-0 oc bracing: 17-18,16-17.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (lb/size) 24=561/0-3-6 (min. 0-1-8), 17=817/0-3-8 (min. 0-1-8), 13=285/0-3-6 (min. 0-1-8)
Max Grav 24=565(LC 3), 17=817(LC 1), 13=305(LC 7)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-906/0, 3-4=-1599/0, 4-5=-1599/0, 5-6=-1599/0, 6-7=-1720/0, 7-8=-1373/0, 8-9=-505/0, 9-10=-399/0, 10-11=-456/0
BOT CHORD 23-24=0/422, 22-23=0/1360, 21-22=0/1829, 20-21=0/1373, 19-20=0/1373, 18-19=0/1373, 15-16=0/572, 14-15=0/572, 13-14=0/312
WEBS 7-20=-327/0, 8-19=0/376, 9-17=-704/0, 7-21=0/473, 6-22=-294/0, 3-22=0/305, 3-23=-591/0, 2-23=0/629, 2-24=-718/0, 8-18=-1116/0, 9-18=0/573, 9-16=0/318, 10-16=-293/0, 11-13=-414/0

NOTES- (5)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
4) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

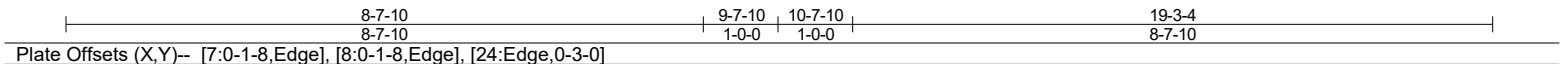


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0-7-10 0-1-8
Scale = 1:31.1



LOADING (psf)	SPACING- 1-7-3	CSI.	DEFL. in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.45	Vert(LL) -0.30 19-20	>752	480	MT20	244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.89	Vert(CT) -0.42 19-20	>546	360		
BCLL 0.0	Rep Stress Incr YES	WB 0.50	Horz(CT) 0.07 14	n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH				Weight: 98 lb	FT = 20%F, 11%E

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
2-3=-1414/0, 3-4=-2778/0, 4-5=-2778/0, 5-6=-2778/0, 6-7=-3538/0, 7-8=-3789/0,
8-9=-3538/0, 9-10=-2778/0, 10-11=-2778/0, 11-12=-1414/0

BOT CHORD
23-24=0/616, 22-23=0/2189, 21-22=0/3279, 20-21=0/3789, 19-20=0/3789, 18-19=0/3789,
17-18=0/3279, 16-17=0/2189, 15-16=0/2189, 14-15=0/616

WEBS
7-21=-555/33, 6-21=0/439, 6-22=-640/0, 3-22=0/752, 3-23=-1009/0, 2-23=0/1040,
2-24=-1046/0, 8-18=-555/33, 9-18=0/439, 9-17=-640/0, 11-17=0/752, 11-15=-1009/0,
12-15=0/1040, 12-14=-1046/0

NOTES- (4)

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 1.5x3 MT20 unless otherwise indicated.
- 3) Recommend 2x6 strongbacks, on edge, spaced at 10'-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

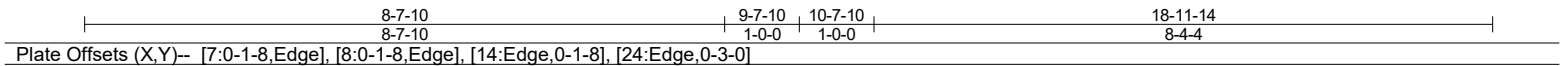


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0-4-4
Scale = 1:31.0



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.

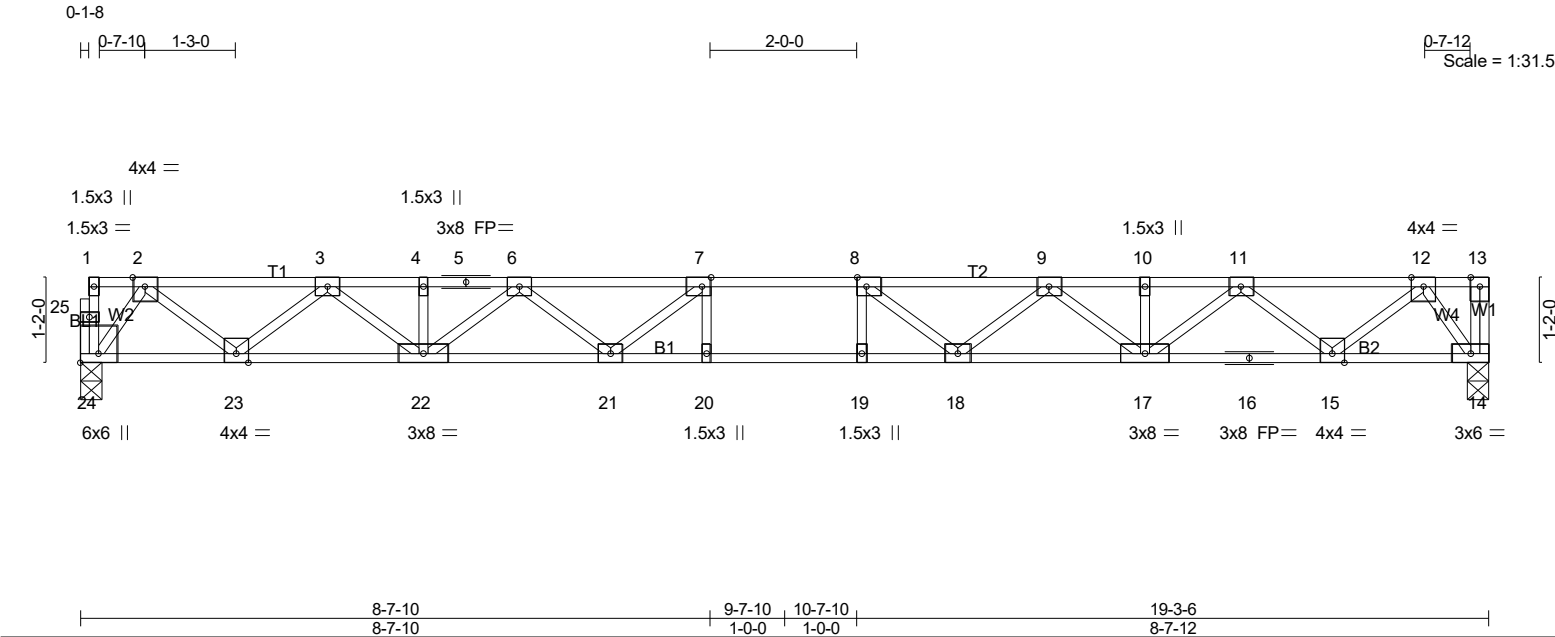
LOAD CASE(S) Standard



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Job	Truss	Truss Type	Qty	Ply	LOT 0.0021 CAMPBELL RIDGE 141 ALDEN WAY ANGIER, NC
25-2454-F02	F205	Floor	5	1	
Job Reference (optional)					# 57913

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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 0.45	Vert(LL)	-0.30 19-20	>751	480	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.89	Vert(CT)	-0.42 19-20	>545	360		
BCLL 0.0	Rep Stress Incr	YES	WB 0.50	Horz(CT)	0.07 14	n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH						
								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 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (lb/size) 24=832/0-3-6 (min. 0-1-8), 14=837/0-3-8 (min. 0-1-8)

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

TOP CHORD 2-3=-1415/0, 3-4=-2780/0, 4-5=-2780/0, 5-6=-2780/0, 6-7=-3541/0, 7-8=-3793/0, 8-9=-3543/0, 9-10=-2785/0, 10-11=-2785/0, 11-12=-1422/0

BOT CHORD 23-24=0/616, 22-23=0/2191, 21-22=0/3282, 20-21=0/3793, 19-20=0/3793, 18-19=0/3793, 17-18=0/3285, 16-17=0/2196, 15-16=0/2196, 14-15=0/624

WEBS 7-21=-556/33, 6-21=0/439, 6-22=-641/0, 3-22=0/753, 3-23=-1010/0, 2-23=0/1040, 2-24=-1047/0, 8-18=-555/34, 9-18=0/438, 9-17=-639/0, 11-17=0/751, 11-15=-1008/0, 12-15=0/1039, 12-14=-1048/0

- NOTES-** (5)
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are 3x4 MT20 unless otherwise indicated.
 - 3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - 4) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



3/24/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0021 CAMPBELL RIDGE 141 ALDEN WAY ANGIER, NC
25-2454-F02	F206	Floor	1	1	
Job Reference (optional)					# 57913

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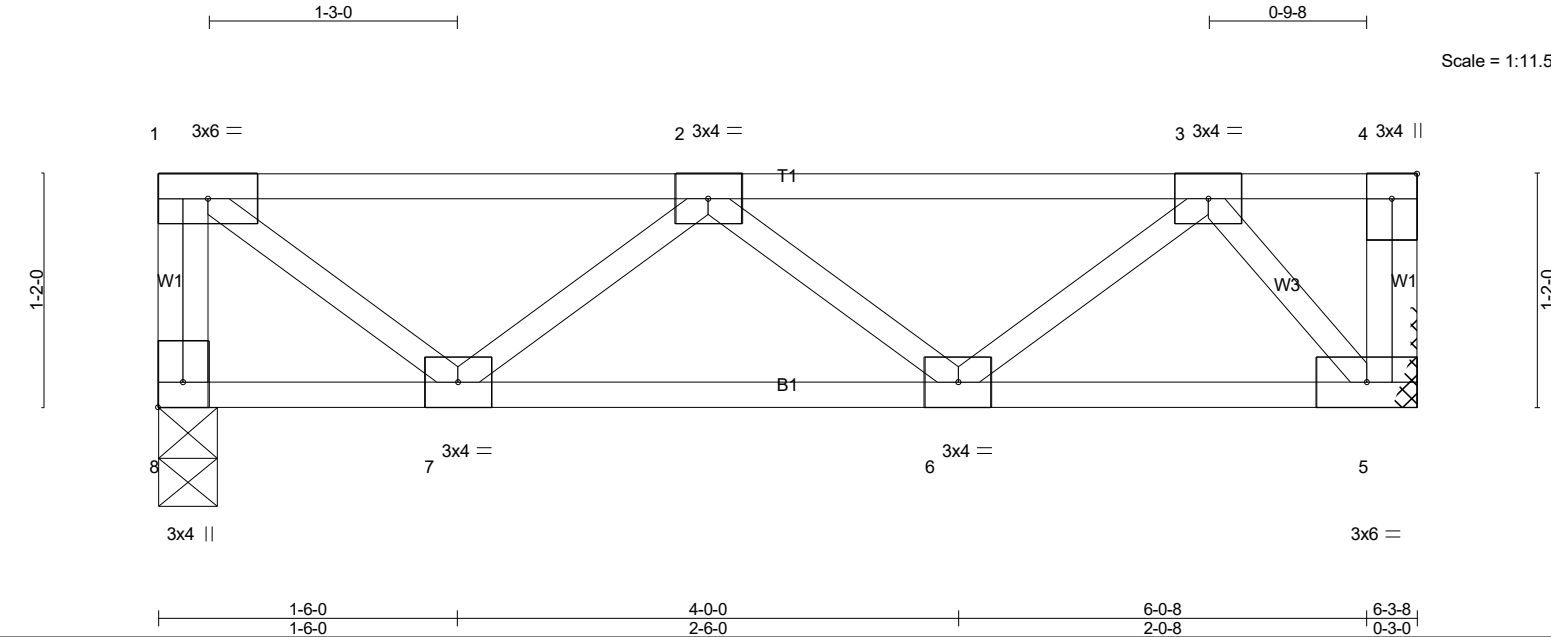


Plate Offsets (X,Y)-- [8:Edge,0-1-8]		1-6-0 1-6-0		4-0-0 2-6-0		6-0-8 2-0-8		6-3-8 0-3-0	
LOADING (psf)	SPACING-	1-7-3	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.22	Vert(LL)	-0.00 6	>999	480	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.09	Vert(CT)	-0.01 6-7	>999	360		
BCLL 0.0	Rep Stress Incr	YES	WB 0.14	Horz(CT)	0.00 5	n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-P					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)	

REACTIONS. (lb/size) 8=266/0-3-8 (min. 0-1-8), 5=266/Mechanical

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

TOP CHORD	1-8=-262/0, 2-3=-337/0
BOT CHORD	6-7=0/430
WEBS	1-7=0/296, 2-7=-253/0, 3-5=-332/0

NOTES- (3)

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

LOAD CASE(S) Standard



3/24/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0021 CAMPBELL RIDGE 141 ALDEN WAY ANGIER, NC
25-2454-F02	F207	Floor	6	1	
Job Reference (optional)					# 57913

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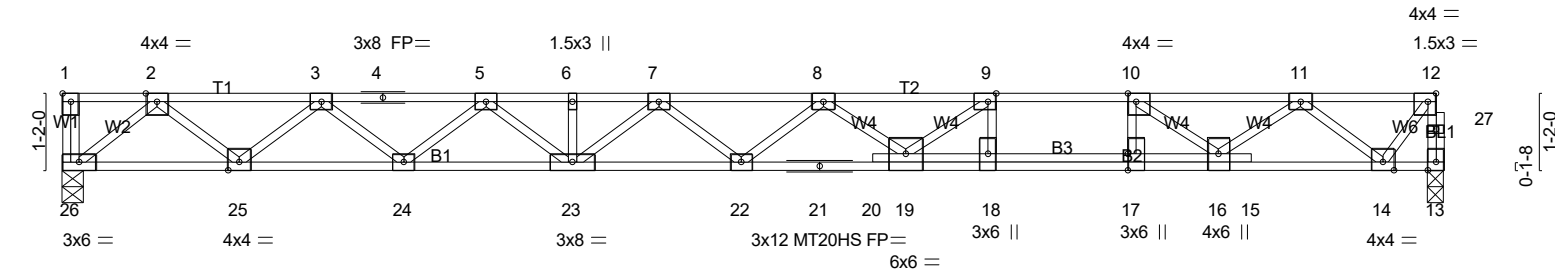


Plate Offsets (X,Y)--	14-2-3 14-2-3	15-2-3 1-0-0	16-2-3 1-0-0	20-11-14 4-9-11
	[1:Edge,0-1-8], [9:0-1-8,Edge], [10:0-1-8,Edge], [12:0-1-8,Edge], [17:0-3-0,0-0-0]			

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 0.55	Vert(LL)	-0.39	22	>636	480	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.84	Vert(CT)	-0.54	22-23	>463	360	MT20HS	187/143
BCLL 0.0	Rep Stress Incr	YES	WB 0.44	Horz(CT)	0.07	13	n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH							
										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 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (lb/size) 26=760/0-3-8 (min. 0-1-8), 13=756/0-3-6 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 13-27=-760/0, 12-27=-759/0, 2-3=-1614/0, 3-4=-2761/0, 4-5=-2761/0, 5-6=-3511/0, 6-7=-3511/0, 7-8=-3737/0, 8-9=-3605/0, 9-10=-3171/0, 10-11=-2053/0, 11-12=-548/0
BOT CHORD 25-26=0/911, 24-25=0/2293, 23-24=0/3213, 22-23=0/3706, 21-22=0/3802, 20-21=0/3802, 19-20=0/3778, 18-19=0/3171, 17-18=0/3171, 16-17=0/3171, 15-16=0/1354, 14-15=0/1364
WEBS 9-18=-475/0, 10-17=0/656, 9-19=-1/652, 8-19=-296/50, 5-23=0/381, 5-24=-588/0, 3-24=0/609, 3-25=-885/0, 2-25=0/914, 2-26=-1165/0, 10-16=-1396/0, 11-16=0/875, 11-14=-1062/0, 12-14=0/864

NOTES- (6)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) All plates are 3x4 MT20 unless otherwise indicated.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



3/24/2025

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Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Tue Mar 25 00:37:04 2025 Page 1
ID:Wl8rk6BK5SaRYCYGf9_0xywFJ5-cWvxKF4PxPEY2NJwr8ehuAve?JGN8qUNE15AnezXZsD

Structural drawing of a bridge truss. The drawing shows a side elevation of the truss structure with various members and joints labeled. The top chord joints are numbered 1 through 12. The bottom chord joints are numbered 13 through 25. The truss is supported by a central pier (joints 21-22) and two end abutments (joints 13-14 and 24-25). The drawing includes dimensions for the overall length (1-3-0, 0-7-11, 2-0-0, 0-8-3, 0-1-8) and height (1-2-0, 26). The scale is 1:33.9. The drawing also shows the cross-section of the bridge deck, which is a box girder with a cross-hatched pattern. The deck is supported by the truss structure. The drawing includes labels for various members and joints, such as T1, T2, B1, W1, W2, W3, W4, and B2. The drawing also shows the cross-section of the bridge deck, which is a box girder with a cross-hatched pattern. The deck is supported by the truss structure. The drawing includes labels for various members and joints, such as T1, T2, B1, W1, W2, W3, W4, and B2.

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, Except:
WEBS	2x4 SP No.3(flat)		10-0-0 oc bracing: 14-15,13-14.
REACTIONS.	All bearings 9-4-8 except (jt=length) 13=0-3-6.		
(lb) -	Max Horz 25=-36(LC 4)		
	Max Uplift All uplift 100 lb or less at joint(s) except 25=-229(LC 6), 21=-135(LC 7), 22=-104(LC 11)		
	Max Grav All reactions 250 lb or less at joint(s) 25, 24, 23, 22 except 13=368(LC 9), 21=792(LC 16), 21=709(LC 1)		

NOTES- (7)

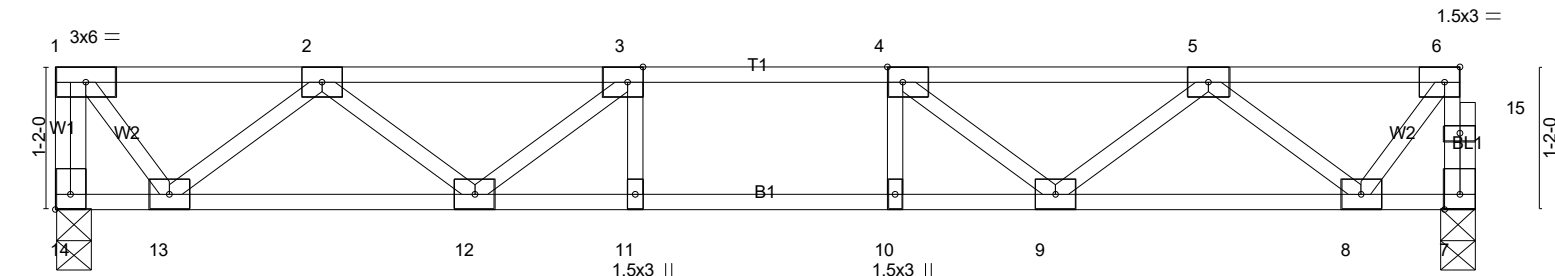
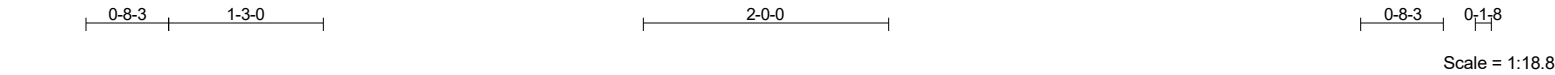
- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 3x4 MT20 unless otherwise indicated.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 229 lb uplift at joint 25, 135 lb uplift at joint 21 and 104 lb uplift at joint 22.
- 4) This truss has been designed for a total drag load of 150 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 9-4-8 for 331.2 plf.
- 5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 6) CAUTION, Do not erect truss backwards.

3/24/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0021 CAMPBELL RIDGE 141 ALDEN WAY ANGIER, NC
25-2454-F02	F209	FLOOR	4	1	Job Reference (optional) # 57913

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Tue Mar 25 00:37:05 2025 Page 1
ID:WI8rkg6BK5SaRYCYGf9_0xywFJ5-4jSJYa41iMPfXu6Ps9wRN2qpjbQtFDXThqkK4zXZsC



4-9-11	5-9-11	6-9-11	11-7-6
4-9-11	1-0-0	1-0-0	4-9-11

Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [6:0-1-8,Edge], [14:Edge,0-1-8]

LOADING (psf)	SPACING-	1-7-3	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.21	Vert(LL)	-0.06	9-10	>999	480	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.40	Vert(CT)	-0.08	10	>999	360		
BCLL 0.0	Rep Stress Incr	YES	WB 0.26	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

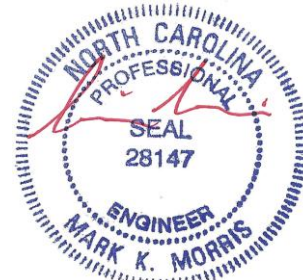
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (lb/size) 14=500/0-3-8 (min. 0-1-8), 7=495/0-3-6 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-14=-499/0, 7-15=-495/0, 6-15=-494/0, 1-2=-339/0, 2-3=-1098/0, 3-4=-1344/0, 4-5=-1097/0, 5-6=-341/0
BOT CHORD 12-13=0/844, 11-12=0/1344, 10-11=0/1344, 9-10=0/1344, 8-9=0/843
WEBS 3-12=-381/0, 2-12=0/330, 2-13=-657/0, 1-13=0/554, 4-9=-381/0, 5-9=0/331, 5-8=-654/0, 6-8=0/535

NOTES- (5)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
4) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



3/24/2025

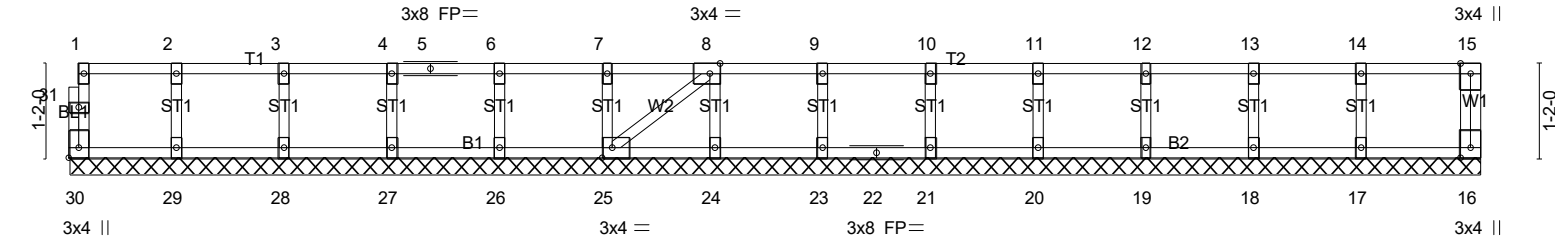
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Job	Truss	Truss Type	Qty	Ply	LOT 0.0021 CAMPBELL RIDGE 141 ALDEN WAY ANGIER, NC
25-2454-F02	F210	Floor Supported Gable	1	1	Job Reference (optional) # 57913

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Tue Mar 25 00:37:05 2025 Page 1
ID:Wl8rkq6BK5SaRYCYGf9_0xywFJ5-4jSJYa41iIMPfXu6Ps9wRN2swjhVtJoXThqkK4zXZsC

0-1-8

Scale = 1:28.5



										17-5-12										
Plate Offsets (X,Y)--										[8:0-1-8,Edge], [25:0-1-8,Edge], [30:Edge,0-1-8]				17-5-12						
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	0.07	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	16	n/a	n/a								
BCDL	5.0	Code IRC2021/TPI2014				Matrix-SH								Weight: 76 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 17-5-12.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 30, 16, 29, 28, 27, 26, 25, 24, 23, 21, 20, 19, 18, 17

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

- NOTES- (7)
- 1) All plates are 1.5x3 MT20 unless otherwise indicated.
 - 2) Gable requires continuous bottom chord bearing.
 - 3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - 4) Gable studs spaced at 1-4-0 oc.
 - 5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - 6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



3/24/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0021 CAMPBELL RIDGE 141 ALDEN WAY ANGIER, NC
25-2454-F02	F211	Floor	6	1	
Job Reference (optional)					# 57913

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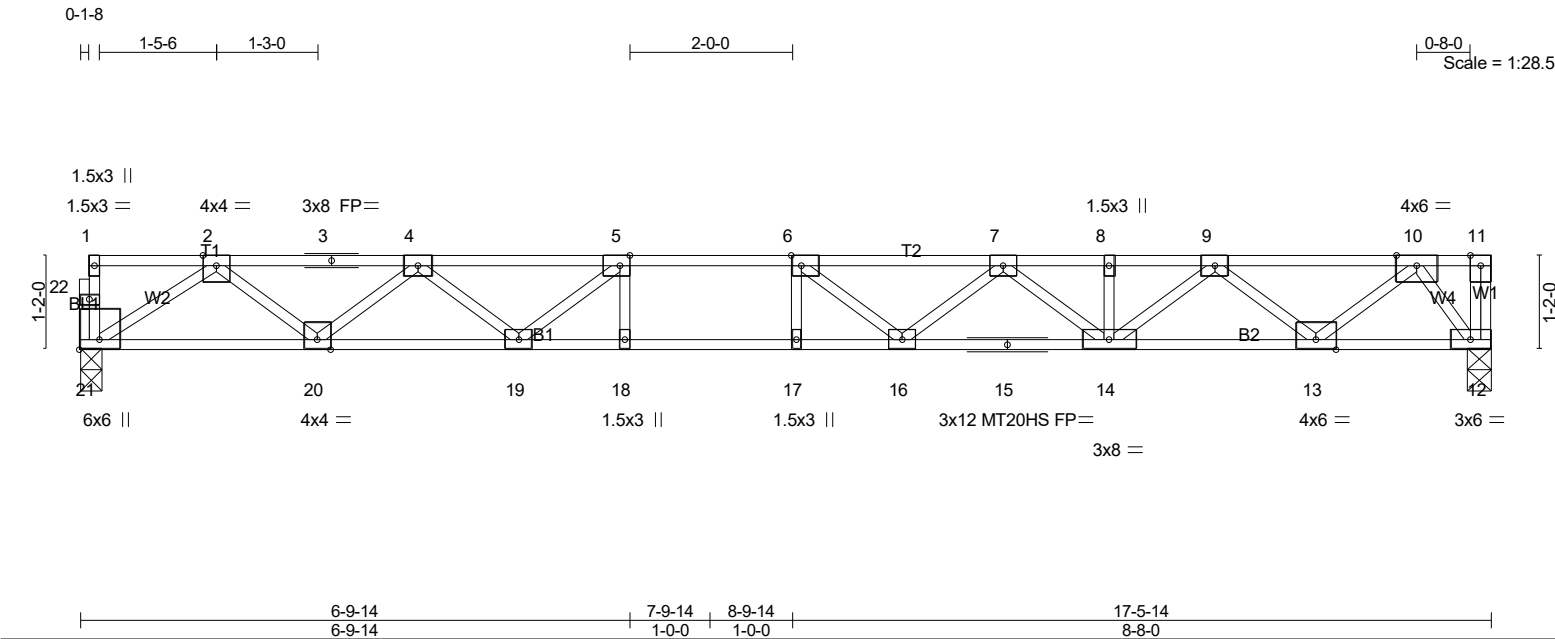


Plate Offsets (X,Y)--		[5:0-1-8,Edge], [6:0-1-8,Edge], [21:Edge,0-3-0]	
LOADING (psf)		SPACING-- 2-0-0	
TCLL 40.0		Plate Grip DOL 1.00	
TCDL 10.0		Lumber DOL 1.00	
BCLL 0.0		Rep Stress Incr YES	
BCDL 5.0		Code IRC2021/TPI2014	
CSL		Matrix-SH	
DEFL.		in (loc) l/defl L/d	
Vert(LL)		-0.29 16-17 >715 480	
Vert(CT)		-0.40 16-17 >520 360	
Horz(CT)		0.06 12 n/a n/a	
PLATES		GRIP	
MT20		244/190	
MT20HS		187/143	
Weight: 88 lb		FT = 20%F, 11%E	

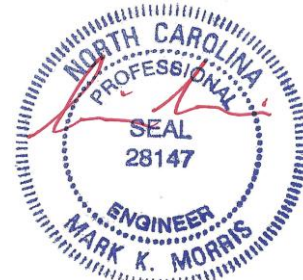
LUMBER-		BRACING-	
TOP CHORD 2x4 SP No.1(flat)		TOP CHORD	
BOT CHORD 2x4 SP SS(flat) *Except*		Structural wood sheathing directly applied or 5-10-8 oc purlins, except end verticals.	
WEBS 2x4 SP No.1(flat)		BOT CHORD	
2x4 SP No.3(flat)		Rigid ceiling directly applied or 10-0-0 oc bracing.	

REACTIONS. (lb/size) 21=942/0-3-6 (min. 0-1-8), 12=948/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2116/0, 3-4=-2116/0, 4-5=-3308/0, 5-6=-3845/0, 6-7=-3760/0, 7-8=-3054/0, 8-9=-3054/0, 9-10=-1603/0
BOT CHORD 20-21=0/1331, 19-20=0/2856, 18-19=0/3845, 17-18=0/3845, 16-17=0/3845, 15-16=0/3578, 14-15=0/3578, 13-14=0/2451, 12-13=0/724
WEBS 5-18=-77/279, 5-19=-847/0, 4-19=0/630, 4-20=-963/0, 2-20=0/1021, 2-21=-1593/0, 6-16=-453/199, 7-16=0/391, 7-14=-668/0, 9-14=0/770, 9-13=-1103/0, 10-13=0/1144, 10-12=-1197/0

- NOTES- (6)
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are MT20 plates unless otherwise indicated.
 - 3) All plates are 3x4 MT20 unless otherwise indicated.
 - 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - 5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

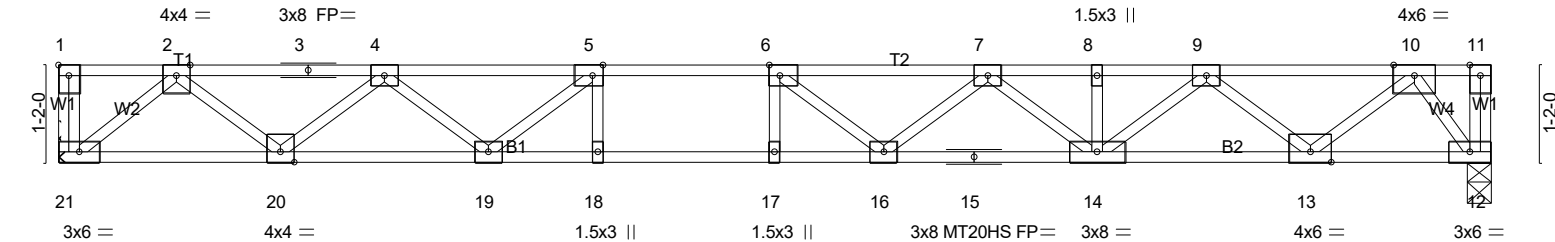
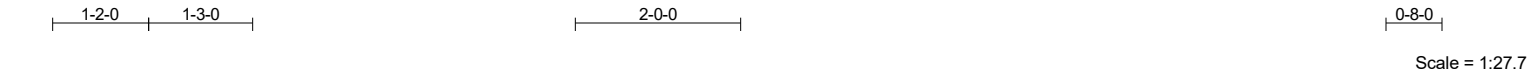


3/24/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0021 CAMPBELL RIDGE 141 ALDEN WAY ANGIER, NC
25-2454-F02	F212	Floor	1	1	Job Reference (optional) # 57913

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ID:Wl8rkg6BK5SaRYCYGf9_0xywFJ5-Yv0ilw5fT0UGHhTJzZg9_bbv57rnceFgiLaHsWzXZsB



6-6-8	7-6-8	8-6-8	17-2-8
6-6-8	1-0-0	1-0-0	8-8-0

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [5:0-1-8,Edge], [6:0-1-8,Edge]

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 0.62	Vert(LL)	-0.28 16-17	>724	480	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.77	Vert(CT)	-0.39 16-17	>527	360	MT20HS	187/143
BCLL 0.0	Rep Stress Incr	YES	WB 0.53	Horz(CT)	0.06 12	n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH						
								Weight: 88 lb	FT = 20%F, 11%E

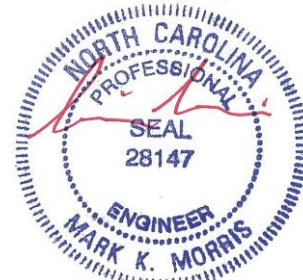
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 5-11-5 oc purlins, except end verticals.
BOT CHORD 2x4 SP SS(flat) *Except*	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
B2: 2x4 SP No.1(flat)	
WEBS 2x4 SP No.3(flat)	

REACTIONS. (lb/size) 21=933/Mechanical, 12=933/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1902/0, 3-4=-1902/0, 4-5=-3133/0, 5-6=-3704/0, 6-7=-3654/0, 7-8=-2985/0, 8-9=-2985/0, 9-10=-1573/0
BOT CHORD 20-21=0/1101, 19-20=0/2659, 18-19=0/3704, 17-18=0/3704, 16-17=0/3704, 15-16=0/3493, 14-15=0/3493, 13-14=0/2402, 12-13=0/713
WEBS 5-18=-62/289, 6-17=-256/94, 5-19=-872/0, 4-19=0/646, 4-20=-986/0, 2-20=0/1043, 2-21=-1414/0, 6-16=-416/223, 7-16=0/369, 7-14=-648/0, 9-14=0/745, 9-13=-1079/0, 10-13=0/1121, 10-12=-1178/0

NOTES- (6)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) All plates are 3x4 MT20 unless otherwise indicated.
4) Refer to girder(s) for truss to truss connections.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

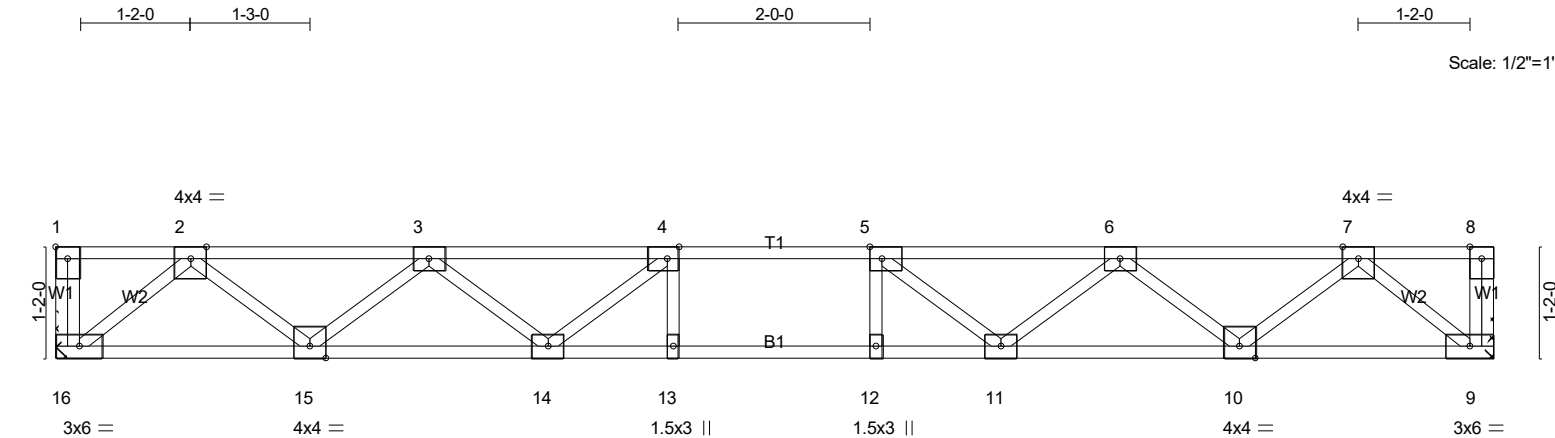


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Job	Truss	Truss Type	Qty	Ply	LOT 0.0021 CAMPBELL RIDGE 141 ALDEN WAY ANGIER, NC
25-2454-F02	F213	Floor	4	1	Job Reference (optional) # 57913

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6-6-8	7-6-8	8-6-8	15-1-0
6-6-8	1-0-0	1-0-0	6-6-8
Plate Offsets (X,Y)-- [1:Edge,0-1-8], [4:0-1-8,Edge], [5:0-1-8,Edge]			

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 0.36	Vert(LL) -0.15 13-14 >999 480	MT20	244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.75	Vert(CT) -0.20 13-14 >874 360		
BCLL 0.0	Rep Stress Incr YES	WB 0.41	Horz(CT) 0.04 9 n/a n/a		
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH			
				Weight: 76 lb	FT = 20%F, 11%E

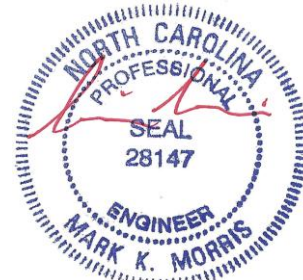
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (lb/size) 16=816/Mechanical, 9=816/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1619/0, 3-4=-2567/0, 4-5=-2875/0, 5-6=-2567/0, 6-7=-1619/0
BOT CHORD 15-16=0/951, 14-15=0/2253, 13-14=0/2875, 12-13=0/2875, 11-12=0/2875, 10-11=0/2253, 9-10=0/951
WEBS 4-14=-572/0, 3-14=0/466, 3-15=-825/0, 2-15=0/870, 2-16=-1222/0, 5-11=-572/0, 6-11=0/466, 6-10=-825/0, 7-10=0/870, 7-9=-1222/0

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

LOAD CASE(S) Standard

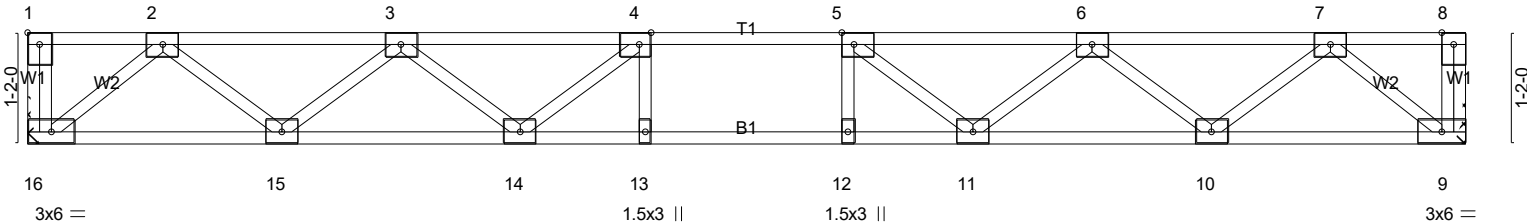
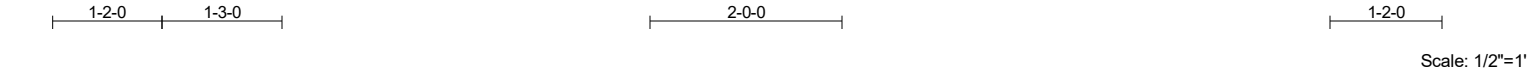


3/24/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0021 CAMPBELL RIDGE 141 ALDEN WAY ANGIER, NC
25-2454-F02	F214	Floor	2	1	Job Reference (optional) # 57913

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Tue Mar 25 00:37:06 2025 Page 1
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6-6-8	7-6-8	8-6-8	15-1-0
6-6-8	1-0-0	1-0-0	6-6-8

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [4:0-1-8,Edge], [5:0-1-8,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 0.23	Vert(LL)	-0.10 13-14	>999	480	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.50	Vert(CT)	-0.14 13-14	>999	360		
BCLL 0.0	Rep Stress Incr	YES	WB 0.28	Horz(CT)	0.03 9	n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH						
								Weight: 76 lb	FT = 20%F, 11%E

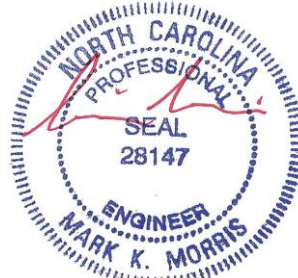
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (lb/size) 16=544/Mechanical, 9=544/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1079/0, 3-4=-1712/0, 4-5=-1916/0, 5-6=-1712/0, 6-7=-1079/0
BOT CHORD 15-16=0/634, 14-15=0/1502, 13-14=0/1916, 12-13=0/1916, 11-12=0/1916, 10-11=0/1502, 9-10=0/634
WEBS 4-14=-381/0, 3-14=0/311, 3-15=-550/0, 2-15=0/580, 2-16=-815/0, 5-11=-381/0, 6-11=0/311, 6-10=-550/0, 7-10=0/580, 7-9=-815/0

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

LOAD CASE(S) Standard

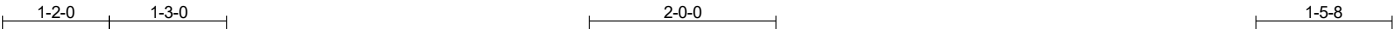


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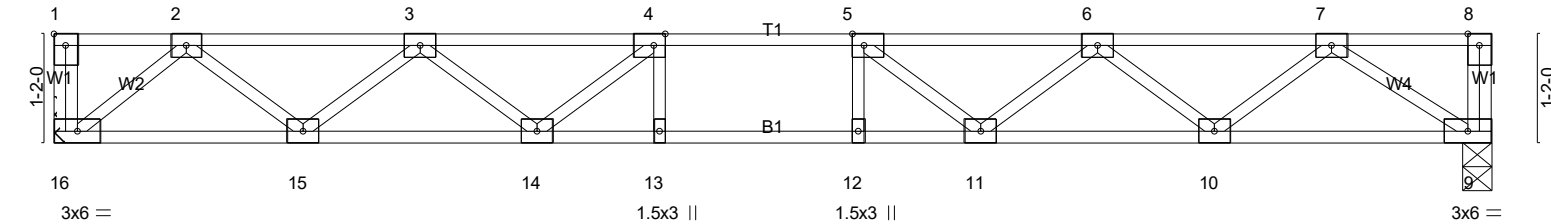
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Job	Truss	Truss Type	Qty	Ply	LOT 0.0021 CAMPBELL RIDGE 141 ALDEN WAY ANGIER, NC
25-2454-F02	F215	Floor	1	1	
Job Reference (optional)					# 57913

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Tue Mar 25 00:37:06 2025 Page 1
ID:WI8rkg6BK5SaRYCYGf9_0xywFJ5-Yv0ilw5fT0UGHhTJzZg9_bb?r7vPci9giLaHsWzXZsB



Scale = 1:24.6



6-6-8	7-6-8	8-6-8	15-4-8
6-6-8	1-0-0	1-0-0	6-10-0

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [4:0-1-8,Edge], [5:0-1-8,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 0.25	Vert(LL)	-0.11 11-12	>999	480	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.54	Vert(CT)	-0.15 11-12	>999	360		
BCLL 0.0	Rep Stress Incr	YES	WB 0.28	Horz(CT)	0.03 9	n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH						
								Weight: 77 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=555/Mechanical, 9=555/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1105/0, 3-4=-1764/0, 4-5=-1992/0, 5-6=-1811/0, 6-7=-1206/0
BOT CHORD 15-16=0/648, 14-15=0/1539, 13-14=0/1992, 12-13=0/1992, 11-12=0/1992, 10-11=0/1616, 9-10=0/773
WEBS 4-14=-408/0, 3-14=0/327, 3-15=-565/0, 2-15=0/595, 2-16=-832/0, 5-11=-366/0, 6-11=0/300, 6-10=-534/0, 7-10=0/564, 7-9=-925/0

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

LOAD CASE(S) Standard

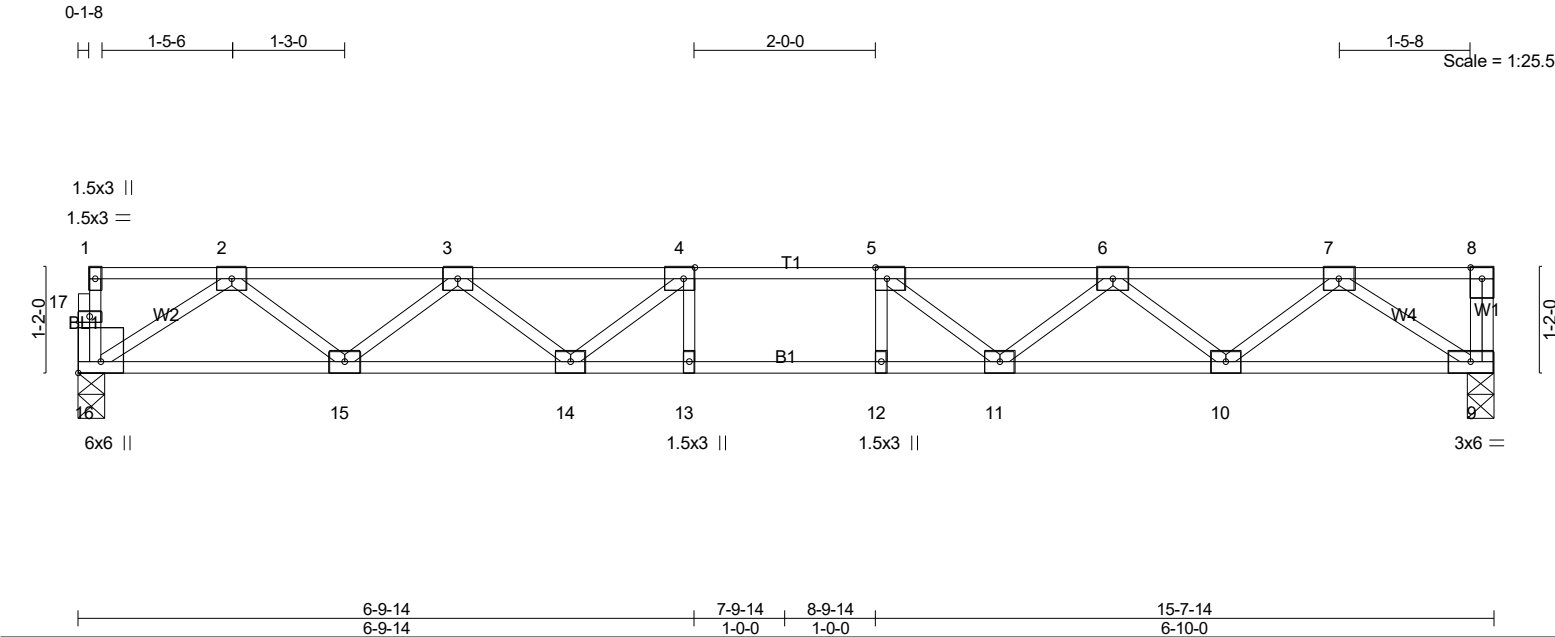


3/24/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0021 CAMPBELL RIDGE 141 ALDEN WAY ANGIER, NC
25-2454-F02	F216	Floor	4	1	
Job Reference (optional)					# 57913

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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 0.24	Vert(LL)	-0.11 12-13	>999	480	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.53	Vert(CT)	-0.16 12-13	>999	360		
BCLL 0.0	Rep Stress Incr	YES	WB 0.28	Horz(CT)	0.03 9	n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH						
								Weight: 78 lb	FT = 20%F, 11%E

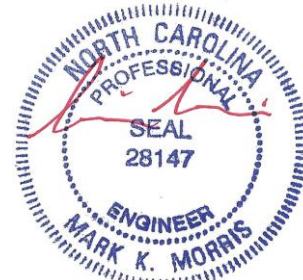
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (lb/size) 16=561/0-3-6 (min. 0-1-8), 9=565/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1230/0, 3-4=-1862/0, 4-5=-2068/0, 5-6=-1864/0, 6-7=-1234/0
BOT CHORD 15-16=0/783, 14-15=0/1652, 13-14=0/2068, 12-13=0/2068, 11-12=0/2068, 10-11=0/1655, 9-10=0/789
WEBS 4-14=-393/0, 3-14=0/317, 3-15=-550/0, 2-15=0/581, 2-16=-937/0, 5-11=-391/0, 6-11=0/316, 6-10=-548/0, 7-10=0/579, 7-9=-944/0

NOTES- (5)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
4) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



3/24/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0021 CAMPBELL RIDGE 141 ALDEN WAY ANGIER, NC
25-2454-F02	F217	Floor	7	1	
Job Reference (optional)					# 57913

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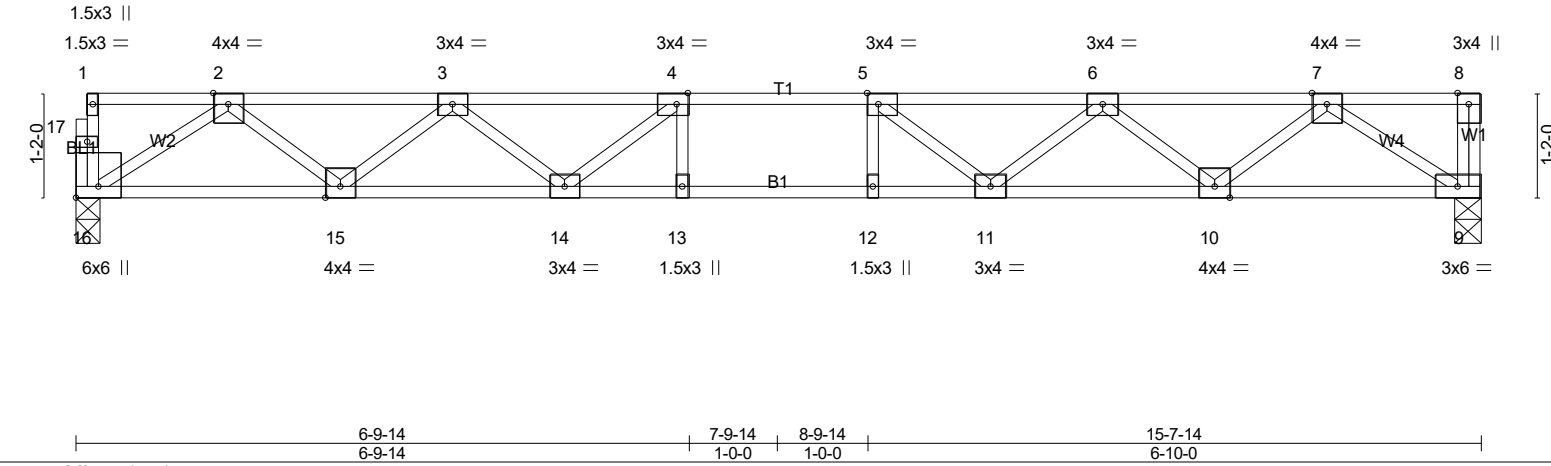
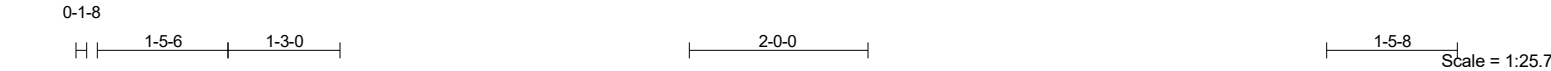


Plate Offsets (X,Y)-- [4:0-1-8,Edge], [5:0-1-8,Edge], [16:Edge,0-3-0]									
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d		PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.38	Vert(LL)	-0.17 12-13 >999 480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.80	Vert(CT)	-0.24 12-13 >785 360		
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: 78 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=841/0-3-6 (min. 0-1-8), 9=847/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1845/0, 3-4=-2793/0, 4-5=-3102/0, 5-6=-2796/0, 6-7=-1851/0
BOT CHORD 15-16=0/1175, 14-15=0/2479, 13-14=0/3102, 12-13=0/3102, 11-12=0/3102, 10-11=0/2483, 9-10=0/1183
WEBS 4-14=-589/0, 3-14=0/476, 3-15=-825/0, 2-15=0/872, 2-16=-1406/0, 5-11=-587/0, 6-11=0/475, 6-10=-822/0, 7-10=0/869, 7-9=-1416/0

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



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Job	Truss	Truss Type	Qty	Ply	LOT 0.0021 CAMPBELL RIDGE 141 ALDEN WAY ANGIER, NC
25-2454-F02	F218	Floor Supported Gable	1	1	Job Reference (optional) # 57913

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0-1-8

Scale = 1:25.5

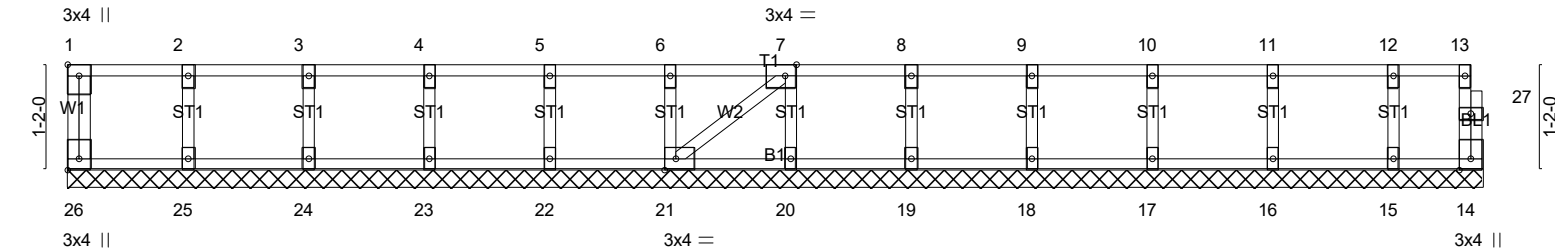


Plate Offsets (X,Y)--		[1:Edge,0-1-8], [7:0-1-8,Edge], [21:0-1-8,Edge], [26:Edge,0-1-8]	
LOADING (psf)	SPACING-	2-0-0	CSL
TCLL 40.0	Plate Grip DOL	1.00	TC 0.06
TCDL 10.0	Lumber DOL	1.00	BC 0.01
BCLL 0.0	Rep Stress Incr	YES	WB 0.03
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH
DEFL.	in (loc)	l/defl	L/d
Vert(LL)	n/a	-	n/a 999
Vert(CT)	n/a	-	n/a 999
Horz(CT)	0.00	14	n/a
PLATES	GRIP		
MT20	244/190		
Weight: 69 lb		FT = 20%F, 11%E	

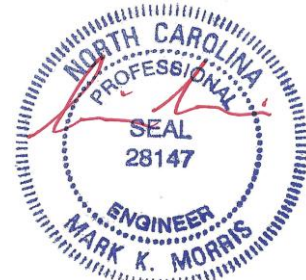
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	
OTHERS 2x4 SP No.3(flat)	

REACTIONS. All bearings 15-7-12.
(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- (7)
1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 1-4-0 oc.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



3/24/2025

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