

Mark Morris, P.E.

#126, 1317-M, Summerville, SC 29483

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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 #: 56556

JOB: 25-0890-F01

JOB NAME: LOT 0.0004 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 2018 as well as IRC 2021.

23 Truss Design(s)

Trusses:

F101, F102, F103, F104, F105, F106, F107, F110, F111, F112, F113, F114, F115, F116, F117, F117A, F118, F119, F120, F121, F122, F123, F124



2/4/2025

Mark Morris

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

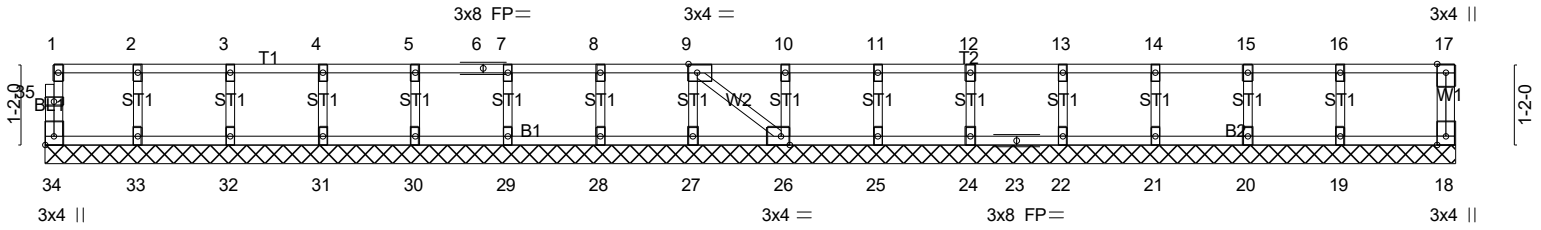
This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is 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 ANSL/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 0.0004 CAMPBELL RIDGE 138 ALDEN WAY ANGIER, NC
25-0890-F01	F101	Floor Supported Gable	1	1	Job Reference (optional) # 56556

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0-1-8

Scale = 1:33.2



20-3-12
20-3-12

Plate Offsets (X,Y)-- [9:0-1-8,Edge], [26:0-1-8,Edge], [34: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 0.08	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.01	Vert(CT)	n/a	-	n/a		
BCLL 0.0	Rep Stress Incr	YES	WB 0.04	Horz(CT)	0.00	18	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH						
								Weight: 87 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)
 OTHERS 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. All bearings 20-3-12.
 (lb) - Max Grav All reactions 250 lb or less at joint(s) 34, 18, 33, 32, 31, 30, 29, 28, 27, 26, 25, 24, 22, 21, 19

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

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

LOAD CASE(S) Standard

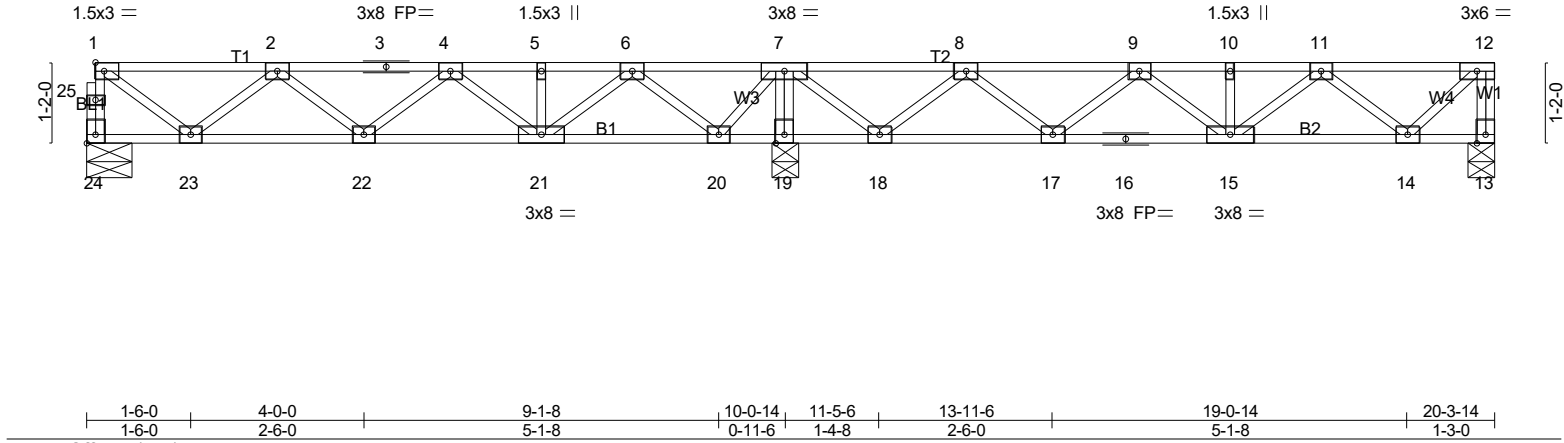


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Job 25-0890-F01	Truss F102	Truss Type Floor	Qty 9	Ply 1	LOT 0.0004 CAMPBELL RIDGE 138 ALDEN WAY ANGIER, NC Job Reference (optional) # 56556
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Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Wed Feb 5 09:14:00 2025 Page 1
ID:HnBel3ytaQyablQe8fkF19zx7Fz-w4gDjcinDcWmlt10ROx9NIRsidjYml812i0aStzoFBL



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 0.22	Vert(LL)	-0.02 15-17	>999	480	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.13	Vert(CT)	-0.02 15-17	>999	360		
BCLL 0.0	Rep Stress Incr	YES	WB 0.28	Horz(CT)	0.00 13	n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH						
								Weight: 107 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 6-0-0 oc bracing.

REACTIONS. (lb/size) 24=274/0-7-14 (min. 0-1-8), 13=286/0-4-8 (min. 0-1-8), 19=907/0-4-8 (min. 0-1-8)
Max Grav 24=306(LC 3), 13=317(LC 4), 19=907(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 24-25=-303/0, 1-25=-303/0, 12-13=-314/0, 1-2=-314/0, 2-3=-610/0, 3-4=-610/0,
4-5=-464/121, 5-6=-464/121, 6-7=0/453, 7-8=0/329, 8-9=-507/88, 9-10=-641/0,
10-11=-641/0, 11-12=-269/0
BOT CHORD 22-23=0/580, 21-22=-34/620, 20-21=-254/216, 19-20=-782/0, 18-19=-773/0,
17-18=-192/334, 16-17=-5/658, 15-16=-5/658, 14-15=0/552
WEBS 7-19=-885/0, 1-23=0/378, 2-23=-346/0, 6-21=0/377, 6-20=-553/0, 7-20=0/486, 7-18=0/588,
8-18=-548/0, 8-17=0/275, 11-14=-368/0, 12-14=0/367

- NOTES-** (5-6)
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are 3x4 MT20 unless otherwise indicated.
 - 3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
 - 6) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard

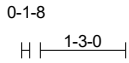


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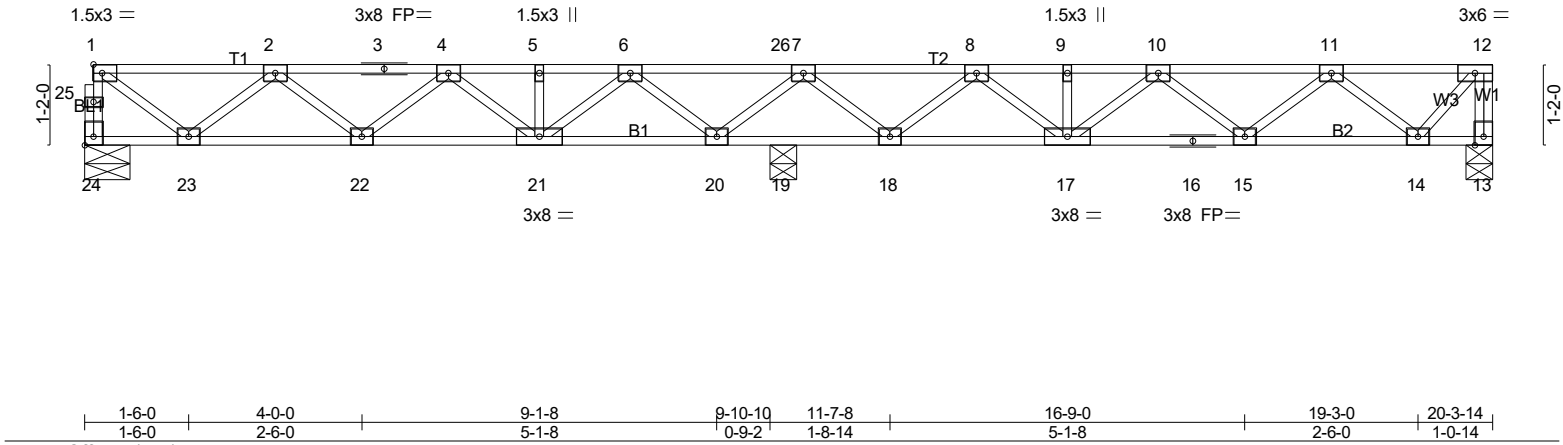
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Job 25-0890-F01	Truss F103	Truss Type Floor	Qty 1	Ply 1	LOT 0.0004 CAMPBELL RIDGE 138 ALDEN WAY ANGIER, NC Job Reference (optional) # 56556
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0-9-14
Scale = 1:33.3



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.18	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.85	Vert(LL) -0.11 20-21 >999 480		
BCLL 0.0	Rep Stress Incr YES	WB 0.24	Vert(CT) -0.15 20-21 >822 360		
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH	Horz(CT) 0.02 13 n/a n/a		
				Weight: 105 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP SS(flat) *Except*
B2: 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) 24=386/0-7-14 (min. 0-1-8), 13=396/0-4-8 (min. 0-1-8), 19=686/0-4-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 24-25=-385/0, 1-25=-384/0, 12-13=-397/0, 1-2=-422/0, 2-3=-895/0, 3-4=-895/0,
4-5=-987/0, 5-6=-987/0, 6-26=-366/0, 7-26=-366/0, 7-8=-552/0, 8-9=-1040/0,
9-10=-1040/0, 10-11=-866/0, 11-12=-310/0
BOT CHORD 22-23=0/776, 21-22=0/1023, 20-21=0/757, 19-20=0/565, 18-19=0/565, 17-18=0/877,
16-17=0/1038, 15-16=0/1038, 14-15=0/696
WEBS 1-23=0/509, 2-23=-461/0, 6-21=0/295, 6-20=-508/0, 7-20=-338/17, 8-18=-424/0,
11-14=-502/0, 12-14=0/461

- NOTES-** (5-6)
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are 3x4 MT20 unless otherwise indicated.
 - 3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
 - 6) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard

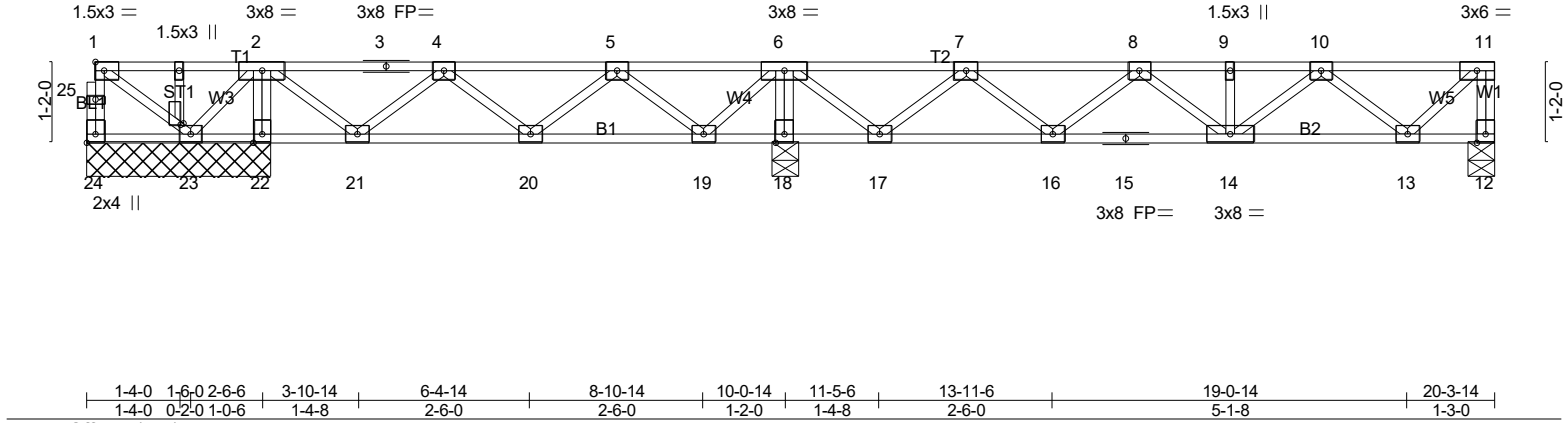


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Job 25-0890-F01	Truss F104	Truss Type GABLE	Qty 1	Ply 1	LOT 0.0004 CAMPBELL RIDGE 138 ALDEN WAY ANGIER, NC Job Reference (optional) # 56556
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1-4-0	1-6-0	2-6-6	3-10-14	6-4-14	8-10-14	10-0-14	11-5-6	13-11-6	19-0-14	20-3-14
1-4-0	0-2-0	1-0-6	1-4-8	2-6-0	2-6-0	1-2-0	1-4-8	2-6-0	5-1-8	1-3-0
Plate Offsets (X,Y)-- [24:Edge,0-1-8], [26:0-0-3,0-0-8]										

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 0.20	Vert(LL)	-0.02	14-16	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.13	Vert(CT)	-0.02	14-16	>999		
BCLL 0.0	Rep Stress Incr	YES	WB 0.27	Horz(CT)	0.00	12	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH						
								Weight: 109 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)
OTHERS 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 6-0-0 oc bracing, Except: 10-0-0 oc bracing: 14-16,13-14,12-13.

REACTIONS. All bearings 2-7-14 except (jt=length) 12=0-4-8, 18=0-4-8.
(lb) - Max Uplift All uplift 100 lb or less at joint(s) 24, 23
Max Grav All reactions 250 lb or less at joint(s) 24, 23 except 12=317(LC 5), 22=444(LC 3), 18=783(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 11-12=-315/0, 5-6=0/361, 7-8=-512/0, 8-9=-644/0, 9-10=-644/0, 10-11=-270/0
BOT CHORD 20-21=-45/250, 18-19=-600/0, 17-18=-596/0, 16-17=-27/341, 15-16=0/663, 14-15=0/663, 13-14=0/554
WEBS 2-22=-431/0, 6-18=-764/0, 2-21=-47/289, 4-21=-258/67, 5-19=-385/0, 6-19=0/380, 6-17=0/560, 7-17=-519/0, 10-13=-369/0, 11-13=0/368

- NOTES-** (7-8)
- Unbalanced floor live loads have been considered for this design.
 - All plates are 3x4 MT20 unless otherwise indicated.
 - Gable studs spaced at 1-4-0 oc.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 24, 23.
 - Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - CAUTION, Do not erect truss backwards.
 - Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
 - Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard

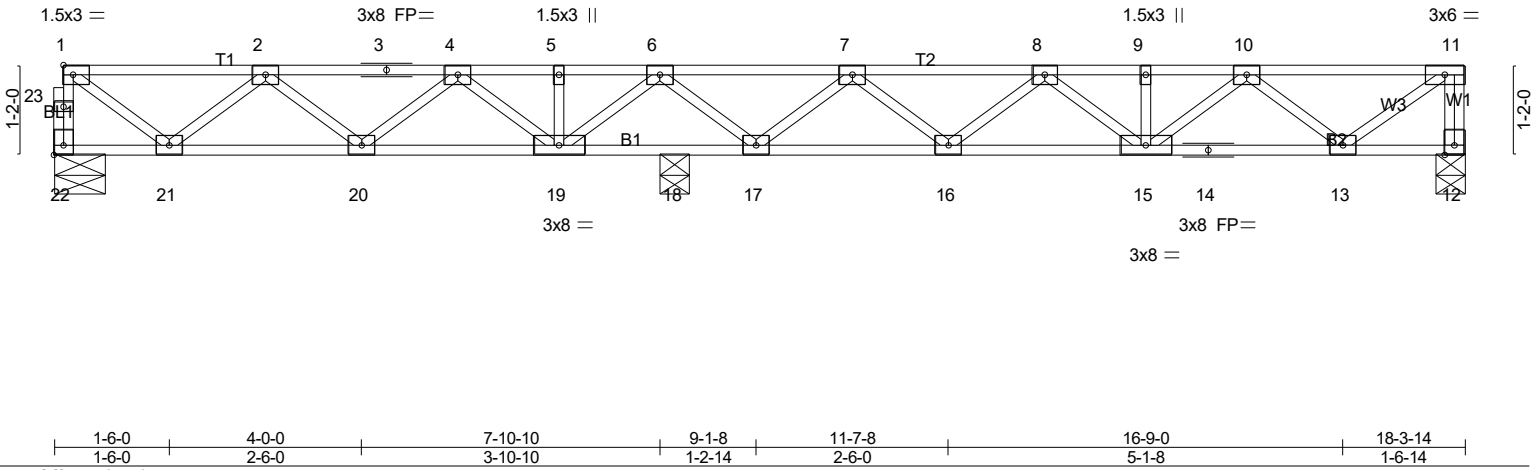


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Job 25-0890-F01	Truss F105	Truss Type Floor	Qty 2	Ply 1	LOT 0.0004 CAMPBELL RIDGE 138 ALDEN WAY ANGIER, NC Job Reference (optional) # 56556
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1-6-0	4-0-0	7-10-10	9-1-8	11-7-8	16-9-0	18-3-14			
1-6-0	2-6-0	3-10-10	1-2-14	2-6-0	5-1-8	1-6-14			
Plate Offsets (X,Y)-- [22: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 0.24	Vert(LL)	-0.12 16-17	>999	480	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.88	Vert(CT)	-0.16 16-17	>765	360		
BCLL 0.0	Rep Stress Incr	YES	WB 0.34	Horz(CT)	0.02 12	n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH						
								Weight: 95 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP SS(flat) *Except*
B2: 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) 22=422/0-7-14 (min. 0-1-8), 12=506/0-4-8 (min. 0-1-8), 18=657/0-4-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 22-23=-410/0, 1-23=-410/0, 11-12=-503/0, 1-2=-439/0, 2-3=-962/0, 3-4=-962/0,
4-5=-780/0, 5-6=-780/0, 6-7=-771/0, 7-8=-1378/0, 8-9=-1252/0, 9-10=-1252/0,
10-11=-576/0
BOT CHORD 20-21=0/842, 19-20=0/970, 18-19=0/878, 17-18=0/878, 16-17=0/1201, 15-16=0/1423,
14-15=0/1044, 13-14=0/1044
WEBS 1-21=0/529, 2-21=-525/0, 6-19=-282/132, 7-17=-566/0, 10-15=0/266, 10-13=-609/0,
11-13=0/709

- NOTES-** (5-6)
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are 3x4 MT20 unless otherwise indicated.
 - 3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
 - 6) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard

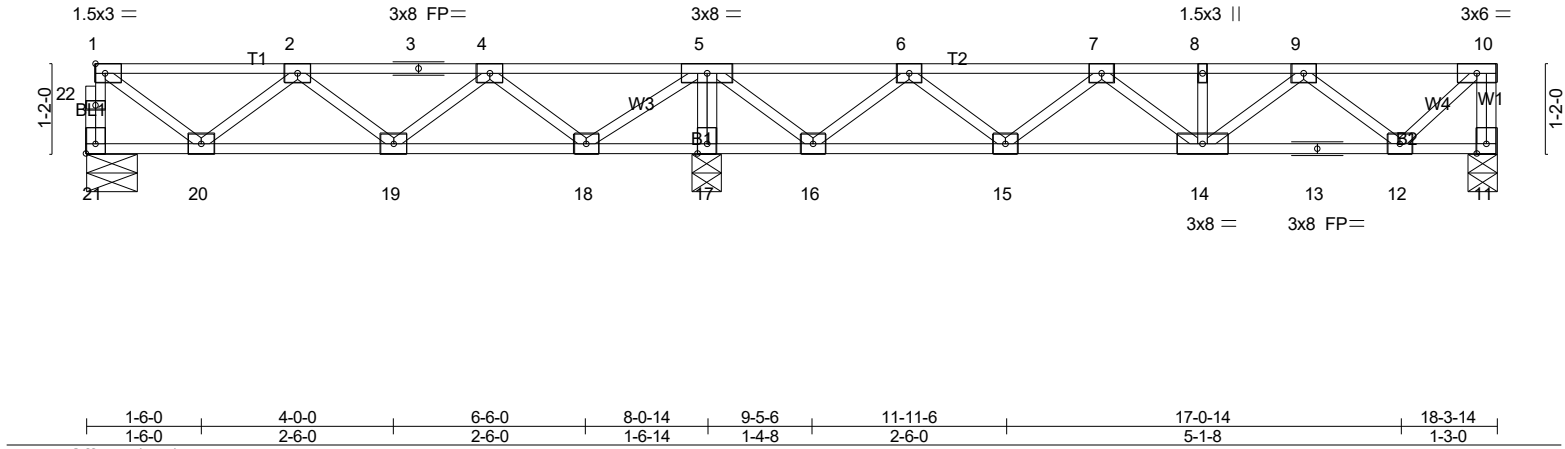


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Job 25-0890-F01	Truss F106	Truss Type Floor	Qty 10	Ply 1	LOT 0.0004 CAMPBELL RIDGE 138 ALDEN WAY ANGIER, NC Job Reference (optional) # 56556
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LOADING (psf)	SPACING- 1-7-3	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.26	Vert(LL) -0.02 14-15 >999 480	MT20	244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.16	Vert(CT) -0.03 14-15 >999 360		
BCLL 0.0	Rep Stress Incr YES	WB 0.32	Horz(CT) 0.00 11 n/a n/a		
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH			
				Weight: 96 lb	FT = 20%F, 11%E

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

REACTIONS. (lb/size) 21=238/0-7-14 (min. 0-1-8), 11=361/0-4-8 (min. 0-1-8), 17=985/0-4-8 (min. 0-1-8)
Max Grav 21=290(LC 3), 11=381(LC 4), 17=985(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 21-22=-286/0, 1-22=-286/0, 10-11=-378/0, 1-2=-273/8, 2-3=-454/121, 3-4=-454/121, 4-5=-58/381, 6-7=-618/0, 7-8=-774/0, 8-9=-774/0, 9-10=-325/0
BOT CHORD 19-20=-35/497, 18-19=-233/386, 17-18=-748/0, 16-17=-753/0, 15-16=-81/413, 14-15=0/797, 13-14=0/665, 12-13=0/665
WEBS 5-17=-961/0, 1-20=-10/327, 2-20=-292/36, 4-18=-495/0, 5-18=0/590, 5-16=0/675, 6-16=-623/0, 6-15=0/304, 7-15=-270/0, 9-12=-443/0, 10-12=0/442

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

LOAD CASE(S) Standard

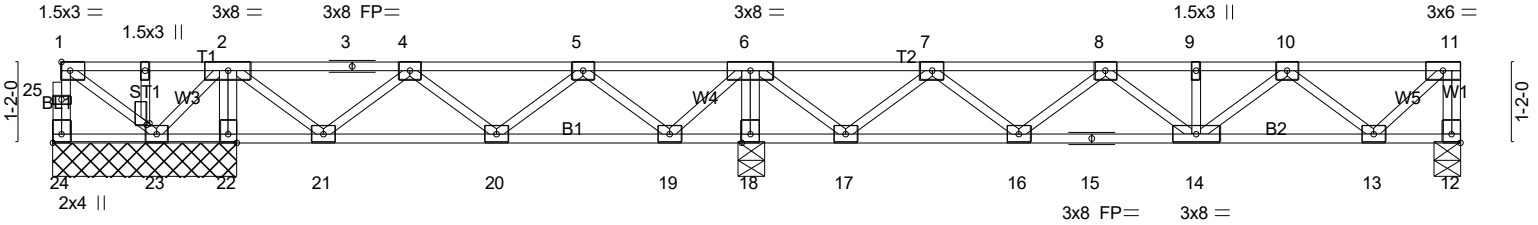


2/4/2025

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Job 25-0890-F01	Truss F107	Truss Type GABLE	Qty 1	Ply 1	LOT 0.0004 CAMPBELL RIDGE 138 ALDEN WAY ANGIER, NC Job Reference (optional) # 56556
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Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Wed Feb 5 09:14:03 2025 Page 1
ID:HnBel3ytaQyablQe8fkFi9zx7Fz-LfLMLdkfVXuLcLmb6XUs?x3Ngqkoz5ETlgFF3BzoFBI



1-4-0	1-6-0	2-6-6	3-10-14	6-4-14	8-10-14	10-0-14	11-5-6	13-11-6	19-0-14	20-3-14
1-4-0	0-2-0	1-0-6	1-4-8	2-6-0	2-6-0	1-2-0	1-4-8	2-6-0	5-1-8	1-3-0

Plate Offsets (X,Y)-- [12:Edge,0-1-8], [24:Edge,0-1-8], [26:0-0-3,0-0-8]

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 0.24	Vert(LL)	-0.02	14-16	>999	480	MT20
TCDL 10.0	Lumber DOL	1.00	BC 0.16	Vert(CT)	-0.03	14-16	>999	360	244/190
BCLL 0.0	Rep Stress Incr	YES	WB 0.32	Horz(CT)	0.00	12	n/a	n/a	
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH						
									Weight: 109 lb FT = 20%F, 11%E

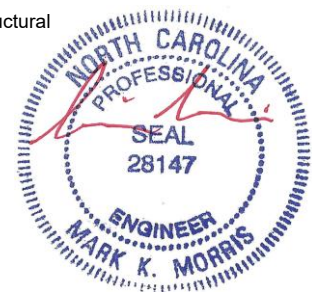
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 10-0-0 oc bracing: 14-16,13-14,12-13.
WEBS 2x4 SP No.3(flat)	
OTHERS 2x4 SP No.3(flat)	

REACTIONS. All bearings 2-7-14 except (jt=length) 12=0-4-8, 18=0-4-8.
 (lb) - Max Uplift All uplift 100 lb or less at joint(s) 24, 23
 Max Grav All reactions 250 lb or less at joint(s) 24, 23 except 12=381(LC 5), 22=533(LC 3), 18=939(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 11-12=-378/0, 4-5=-283/151, 5-6=0/433, 7-8=-614/0, 8-9=-772/0, 9-10=-772/0, 10-11=-324/0
 BOT CHORD 20-21=-54/300, 19-20=-275/240, 18-19=-719/0, 17-18=-714/0, 16-17=-32/409, 15-16=0/794, 14-15=0/794, 13-14=0/664
 WEBS 2-22=-517/0, 6-18=-917/0, 2-21=-56/347, 4-21=-310/80, 5-19=-462/0, 6-19=0/455, 6-17=0/672, 7-17=-622/0, 7-16=0/295, 8-16=-261/0, 10-13=-443/0, 11-13=0/441

- NOTES-** (7-8)
- Unbalanced floor live loads have been considered for this design.
 - All plates are 3x4 MT20 unless otherwise indicated.
 - Gable studs spaced at 1-4-0 oc.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 24, 23.
 - Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - CAUTION, Do not erect truss backwards.
 - Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
 - Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard

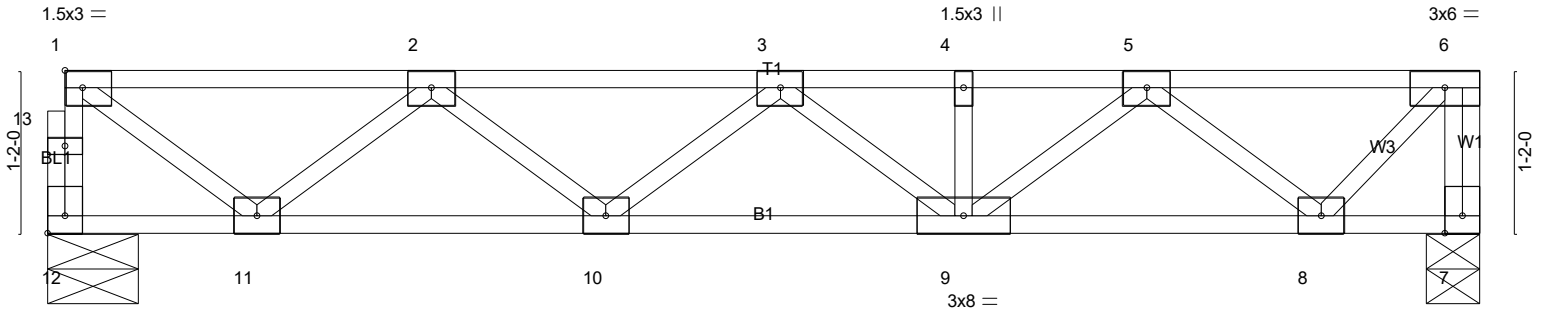


2/4/2025

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Job 25-0890-F01	Truss F110	Truss Type Floor	Qty 7	Ply 1	LOT 0.0004 CAMPBELL RIDGE 138 ALDEN WAY ANGIER, NC Job Reference (optional) # 56556
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Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Wed Feb 5 09:14:04 2025 Page 1
ID:HnBel3ytaQyablQe8fkF9zx7Fz-prvkZzIHGr0CDVLngE?5Y8cYsE3CIZJdzK_obezoFBH



1-6-0	4-0-0	9-1-8	10-3-2
1-6-0	2-6-0	5-1-8	1-1-10

Plate Offsets (X,Y)-- [12:Edge,0-1-8]			
LOADING (psf)	SPACING-	CSI.	DEFL.
TCLL 40.0	1-7-3	TC 0.21	in (loc) l/defl L/d
TCDL 10.0	Plate Grip DOL 1.00	BC 0.21	Vert(LL) -0.03 9-10 >999 480
BCLL 0.0	Lumber DOL 1.00	WB 0.27	Vert(CT) -0.04 9-10 >999 360
BCDL 5.0	Rep Stress Incr YES	Matrix-SH	Horz(CT) 0.01 7 n/a n/a
	Code IRC2021/TPI2014		
			PLATES MT20
			GRIP 244/190
			Weight: 55 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=435/0-7-14 (min. 0-1-8), 7=440/0-4-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 12-13=-431/0, 1-13=-431/0, 6-7=-438/0, 1-2=-466/0, 2-3=-983/0, 3-4=-970/0, 4-5=-970/0, 5-6=-353/0
BOT CHORD 10-11=0/866, 9-10=0/1076, 8-9=0/769
WEBS 1-11=0/562, 2-11=-520/0, 5-9=0/256, 5-8=-542/0, 6-8=0/507

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

LOAD CASE(S) Standard



2/4/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0004 CAMPBELL RIDGE 138 ALDEN WAY ANGIER, NC
25-0890-F01	F111	Floor Supported Gable	1	1	Job Reference (optional) # 56556

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Wed Feb 5 09:14:04 2025 Page 1
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0-1-8

Scale = 1:16.6

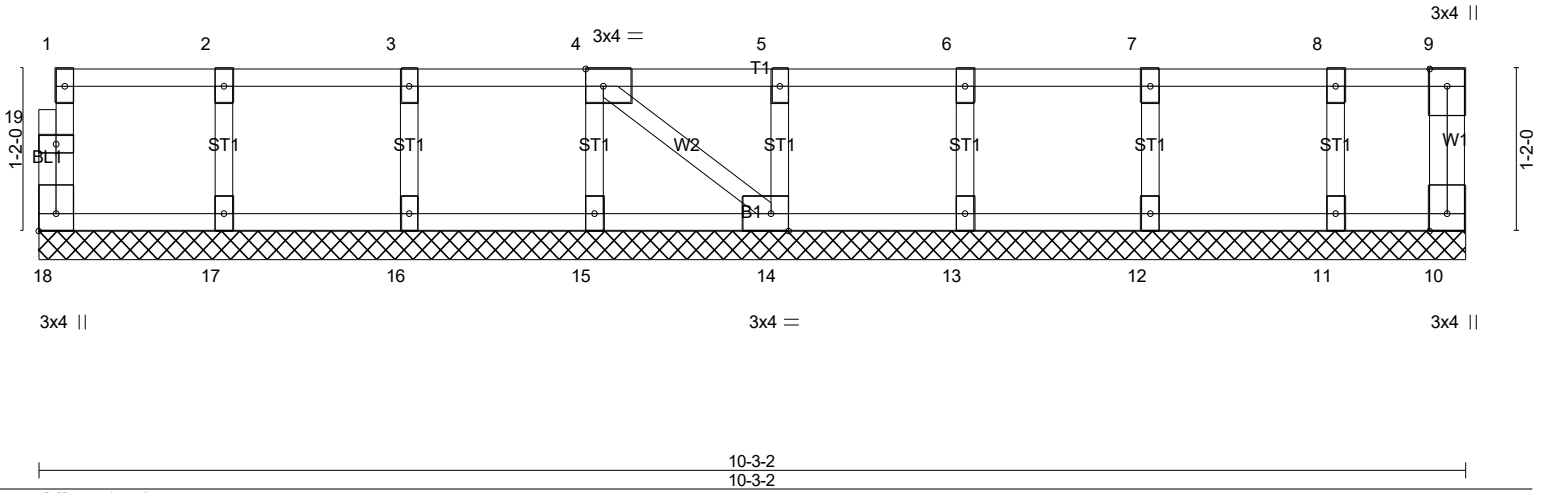


Plate Offsets (X,Y)-- [4:0-1-8,Edge], [14:0-1-8,Edge], [18:Edge,0-1-8]	
LOADING (psf)	SPACING- 2-0-0
TCLL 40.0	Plate Grip DOL 1.00
TCDL 10.0	Lumber DOL 1.00
BCLL 0.0	Rep Stress Incr YES
BCDL 5.0	Code IRC2021/TPI2014
CSL	DEFL. in (loc) l/defl L/d
TC 0.06	Vert(LL) n/a - n/a 999
BC 0.01	Vert(CT) n/a - n/a 999
WB 0.03	Horz(CT) 0.00 10 n/a n/a
Matrix-SH	
	PLATES GRIP
	MT20 244/190
	Weight: 47 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)
OTHERS 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. All bearings 10-3-2.
(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-** (7-8)
- All plates are 1.5x3 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - Gable studs spaced at 1-4-0 oc.
 - Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - CAUTION, Do not erect truss backwards.
 - Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
 - Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard



2/4/2025

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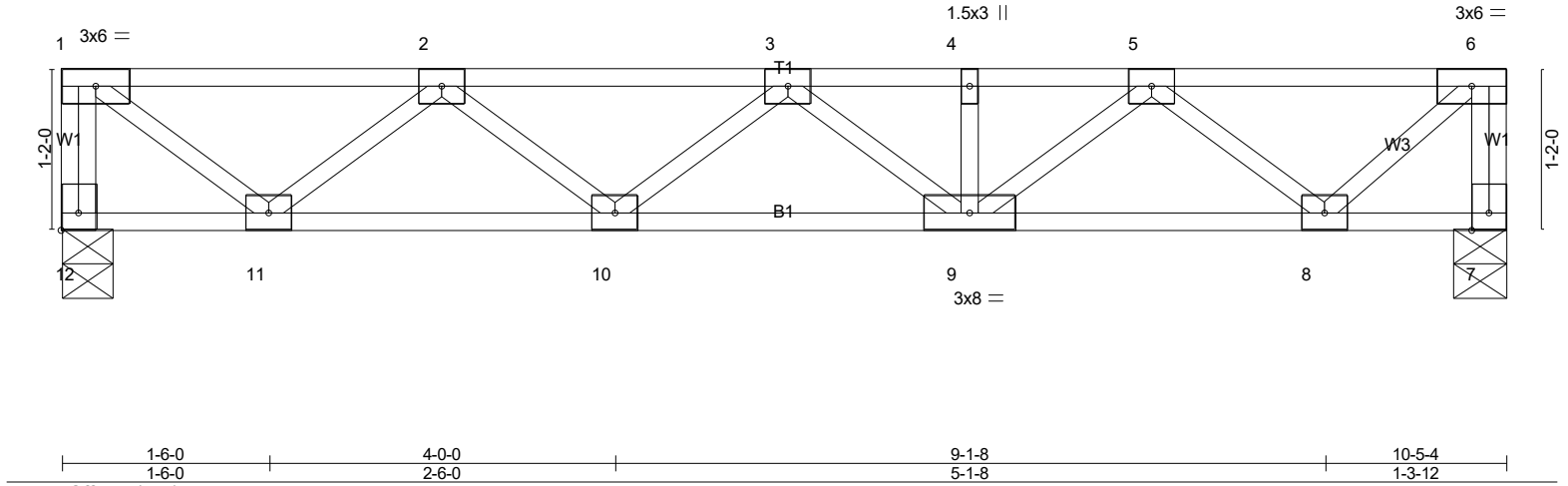
Job 25-0890-F01	Truss F112	Truss Type Floor	Qty 1	Ply 1	LOT 0.0004 CAMPBELL RIDGE 138 ALDEN WAY ANGIER, NC Job Reference (optional) # 56556
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Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Wed Feb 5 09:14:05 2025 Page 1
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1-3-0

1-0-12

Scale = 1:16.6



LOADING (psf)	SPACING-	CSL	DEFL.	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.19	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.18	Vert(LL) -0.02 9-10 >999 480		
BCLL 0.0	Rep Stress Incr YES	WB 0.24	Vert(CT) -0.03 9-10 >999 360		
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH	Horz(CT) 0.01 7 n/a n/a		
				Weight: 56 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) 12=374/0-4-8 (min. 0-1-8), 7=374/0-4-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-12=-370/0, 6-7=-371/0, 1-2=-396/0, 2-3=-844/0, 3-4=-848/0, 4-5=-848/0, 5-6=-346/0
BOT CHORD 10-11=0/740, 9-10=0/929, 8-9=0/694
WEBS 1-11=0/497, 2-11=-447/0, 5-8=-453/0, 6-8=0/461

- NOTES-** (3-4)
- All plates are 3x4 MT20 unless otherwise indicated.
 - 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.
 - Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
 - Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard



2/4/2025

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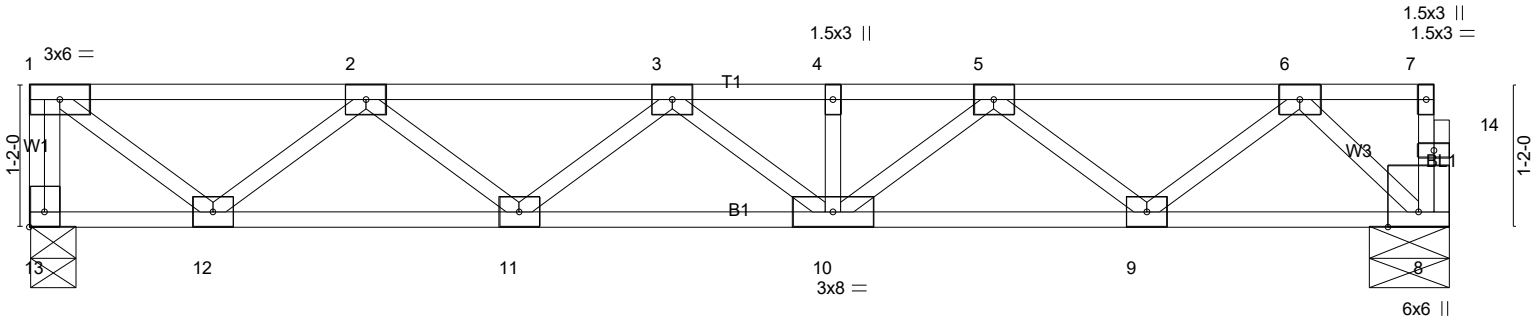
Job	Truss	Truss Type	Qty	Ply	LOT 0.0004 CAMPBELL RIDGE 138 ALDEN WAY ANGIER, NC
25-0890-F01	F113	Floor	8	1	
					# 56556

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Wed Feb 5 09:14:05 2025 Page 1
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1-3-0

0-11-10 0-1-8

Scale = 1:18.8



1-6-0	4-0-0	9-1-8	11-4-2	11-7-2
1-6-0	2-6-0	5-1-8	2-2-10	0-3-0

Plate Offsets (X,Y)-- [13:Edge,0-1-8]

LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.19	Vert(LL) -0.04	10	>999	480	MT20	244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.22	Vert(CT) -0.05	10-11	>999	360		
BCLL 0.0	Rep Stress Incr YES	WB 0.27	Horz(CT) 0.01	8	n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH						

Weight: 61 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=416/0-4-8 (min. 0-1-8), 8=412/0-7-14 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-13=-412/0, 1-2=-452/0, 2-3=-1001/0, 3-4=-1110/0, 4-5=-1110/0, 5-6=-720/0
 BOT CHORD 11-12=0/846, 10-11=0/1136, 9-10=0/1001, 8-9=0/417
 WEBS 1-12=0/566, 2-12=-513/0, 5-9=-366/0, 6-9=0/394, 6-8=-576/0

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

LOAD CASE(S) Standard



2/4/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0004 CAMPBELL RIDGE 138 ALDEN WAY ANGIER, NC
25-0890-F01	F114	Floor Supported Gable	1	1	# 56556

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0-1-8

Scale = 1:18.2

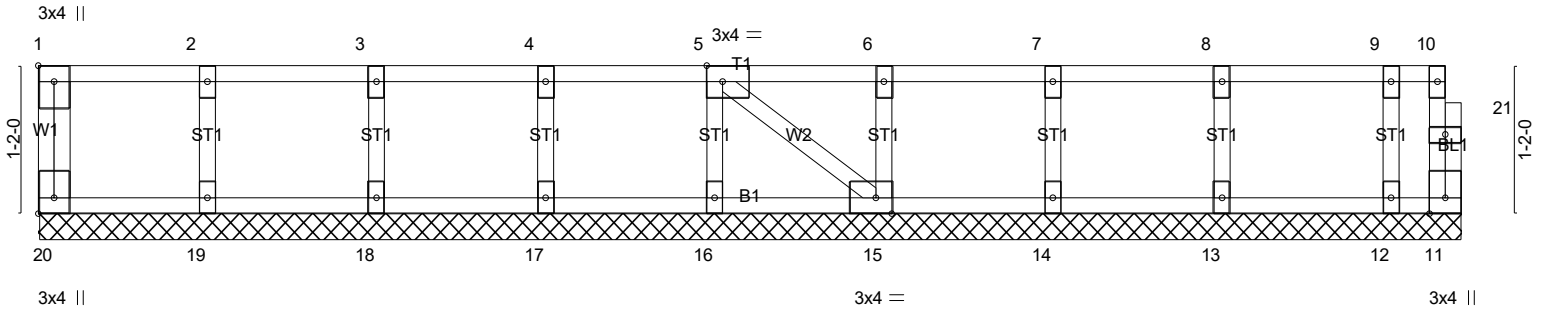


Plate Offsets (X,Y)--	[1:Edge,0-1-8], [5:0-1-8,Edge], [15:0-1-8,Edge], [20:Edge,0-1-8]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.06	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.01	Vert(CT)	n/a	-	n/a		
BCLL 0.0	Rep Stress Incr	YES	WB 0.03	Horz(CT)	-0.00	11	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 10-0-0 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)	

REACTIONS. All bearings 11-2-10.
(lb) - Max Uplift All uplift 100 lb or less at joint(s) 11
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-** (8-9)
- All plates are 1.5x3 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - Gable studs spaced at 1-4-0 oc.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11.
 - Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - CAUTION, Do not erect truss backwards.
 - Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
 - Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard



2/4/2025

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 25-0890-F01	Truss F115	Truss Type Floor Supported Gable	Qty 1	Ply 1	LOT 0.0004 CAMPBELL RIDGE 138 ALDEN WAY ANGIER, NC Job Reference (optional) # 56556
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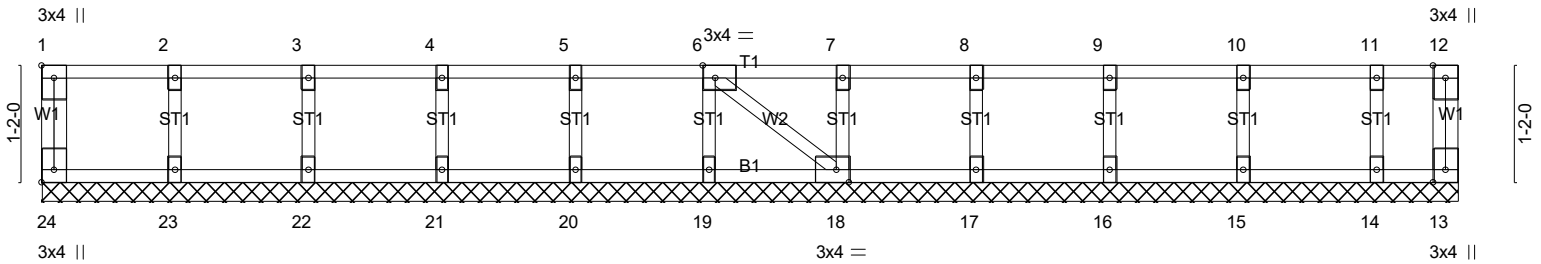


Plate Offsets (X,Y)--	[1:Edge,0-1-8], [6:0-1-8,Edge], [18:0-1-8,Edge], [24:Edge,0-1-8]
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LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	2-0-0	TC 0.06	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.00	BC 0.01	Vert(CT)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

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 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)	

REACTIONS. All bearings 14-1-12.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 24, 13, 23, 22, 21, 20, 19, 18, 17, 16, 15, 14

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

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

LOAD CASE(S) Standard



2/4/2025

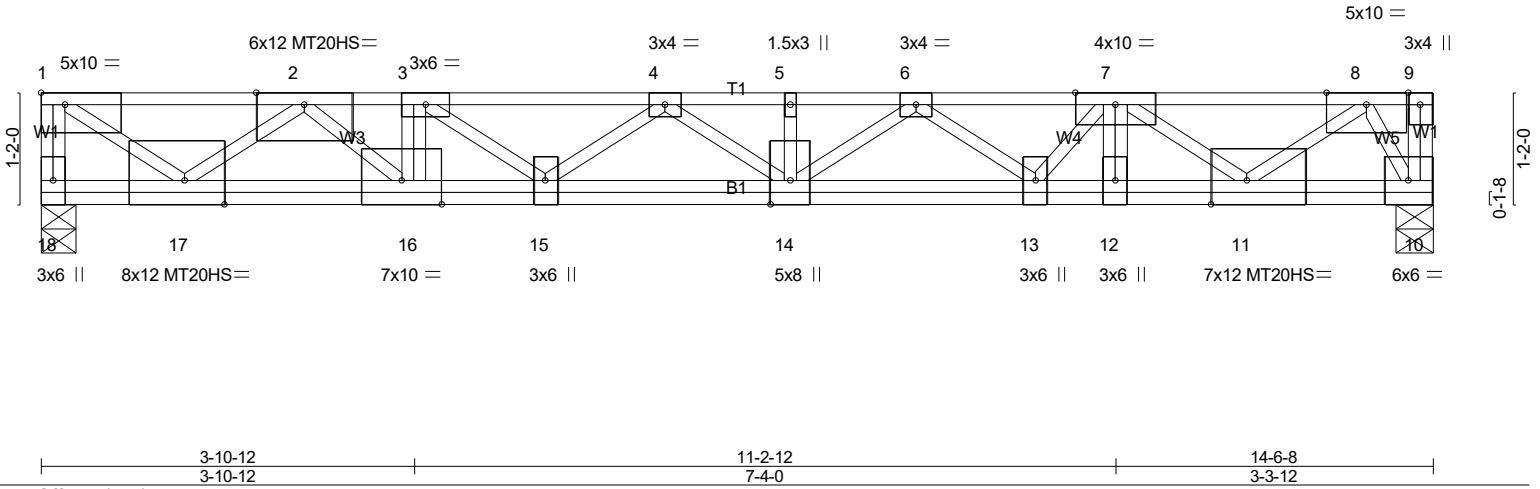
Warning!—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – 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 25-0890-F01	Truss F116	Truss Type FLOOR	Qty 7	Ply 1	LOT 0.0004 CAMPBELL RIDGE 138 ALDEN WAY ANGIER, NC Job Reference (optional) # 56556
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Scale: 1/2"=1'



LOADING (psf)	SPACING-	CS.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.90	Vert(LL) -0.08	14	>999	480	MT20	244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.78	Vert(CT) -0.35	14-15	>491	360	MT20HS	187/143
BCLL 0.0	Rep Stress Incr NO	WB 0.86	Horz(CT) 0.05	10	n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH						
							Weight: 100 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP SS(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat) *Except*
W2,W3: 2x4 SP No.2(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-4-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 18=1878/0-4-8 (min. 0-1-8), 10=1859/0-4-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-18=-1854/0, 1-2=-2477/0, 2-3=-6526/0, 3-4=-6653/0, 4-5=-6570/0, 5-6=-6570/0,
6-7=-5859/0, 7-8=-3230/0
BOT CHORD 16-17=0/4710, 15-16=0/6526, 14-15=0/6749, 13-14=0/6309, 12-13=0/5510, 11-12=0/5512,
10-11=0/1084
WEBS 3-16=-1560/0, 7-11=-2812/0, 8-11=0/2726, 8-10=-2177/0, 1-17=0/3041, 2-17=-2836/0,
2-16=0/2389, 6-14=0/325, 6-13=-573/0, 7-13=0/531

NOTES- (5-6)
1) All plates are MT20 plates unless otherwise indicated.
2) 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.
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) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
6) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 10-18=-8, 1-9=-80
Concentrated Loads (lb)
Vert: 7=-1120 3=-1360
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 10-18=-8, 1-9=-80
Concentrated Loads (lb)
Vert: 7=-1120 3=-1360



2/4/2025

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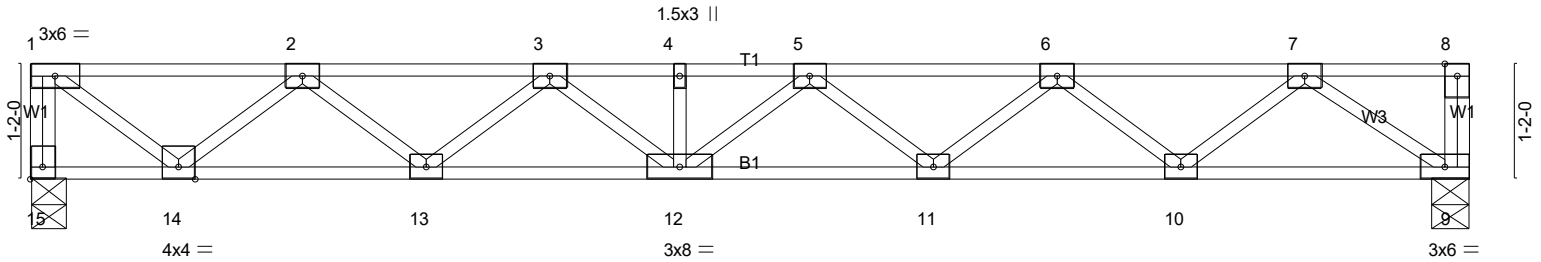
Job	Truss	Truss Type	Qty	Ply	LOT 0.0004 CAMPBELL RIDGE 138 ALDEN WAY ANGIER, NC
25-0890-F01	F117	Floor	5	1	
					# 56556

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1-3-0

1-5-0

Scale = 1:23.3



1-6-0	4-0-0	9-1-8	11-7-8	14-3-8	14-6-8
1-6-0	2-6-0	5-1-8	2-6-0	2-8-0	0-3-0
Plate Offsets (X,Y)-- [15: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 0.23	Vert(LL)	-0.10 11-12	>999	480	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.41	Vert(CT)	-0.14 11-12	>999	360		
BCLL 0.0	Rep Stress Incr	YES	WB 0.43	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) 15=628/0-4-8 (min. 0-1-8), 9=628/0-4-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-15=-623/0, 1-2=-712/0, 2-3=-1680/0, 3-4=-2130/0, 4-5=-2130/0, 5-6=-1981/0, 6-7=-1331/0
 BOT CHORD 13-14=0/1340, 12-13=0/1997, 11-12=0/2157, 10-11=0/1783, 9-10=0/852
 WEBS 1-14=0/893, 2-14=-817/0, 2-13=0/444, 3-13=-412/0, 6-11=0/258, 6-10=-588/0, 7-10=0/624, 7-9=-1028/0

- NOTES-** (3-4)
- All plates are 3x4 MT20 unless otherwise indicated.
 - 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.
 - Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
 - Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard

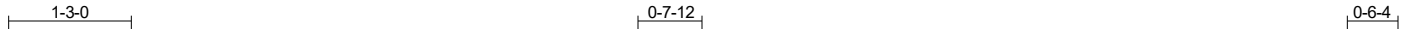


2/4/2025

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Job 25-0890-F01	Truss F117A	Truss Type Floor	Qty 1	Ply 1	LOT 0.0004 CAMPBELL RIDGE 138 ALDEN WAY ANGIER, NC Job Reference (optional) # 56556
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Scale = 1:23.3

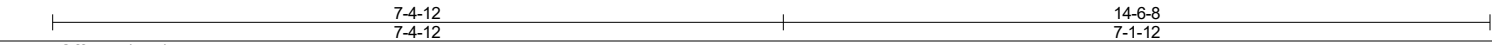
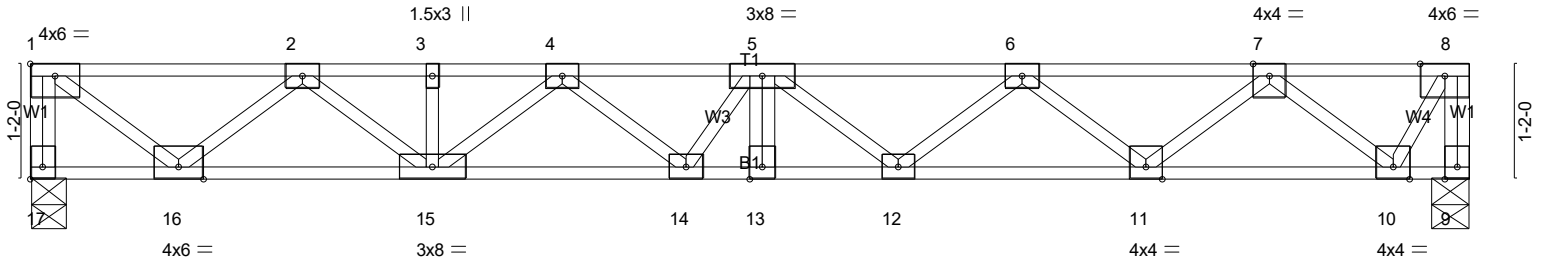


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [17:Edge,0-1-8]

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 0.42	Vert(LL)	-0.10	13	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.74	Vert(CT)	-0.21	13	>806		
BCLL 0.0	Rep Stress Incr	NO	WB 0.58	Horz(CT)	0.04	9	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH						
								Weight: 79 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) 17=825/0-4-8 (min. 0-1-8), 9=832/0-4-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-17=-819/0, 8-9=-832/0, 1-2=-966/0, 2-3=-2453/0, 3-4=-2453/0, 4-5=-3340/0, 5-6=-3129/0, 6-7=-2070/0, 7-8=-480/0
BOT CHORD 15-16=0/1824, 14-15=0/2994, 13-14=0/3540, 12-13=0/3540, 11-12=0/2726, 10-11=0/1390
WEBS 1-16=0/1211, 2-16=-1117/0, 2-15=0/803, 4-15=-691/0, 4-14=0/450, 5-14=-332/0, 5-12=-518/0, 6-12=0/525, 6-11=-854/0, 7-11=0/885, 7-10=-1184/0, 8-10=0/911

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

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 9-17=-8, 1-8=-80
Concentrated Loads (lb)
Vert: 5=-400
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 9-17=-8, 1-8=-80
Concentrated Loads (lb)
Vert: 5=-400



2/4/2025

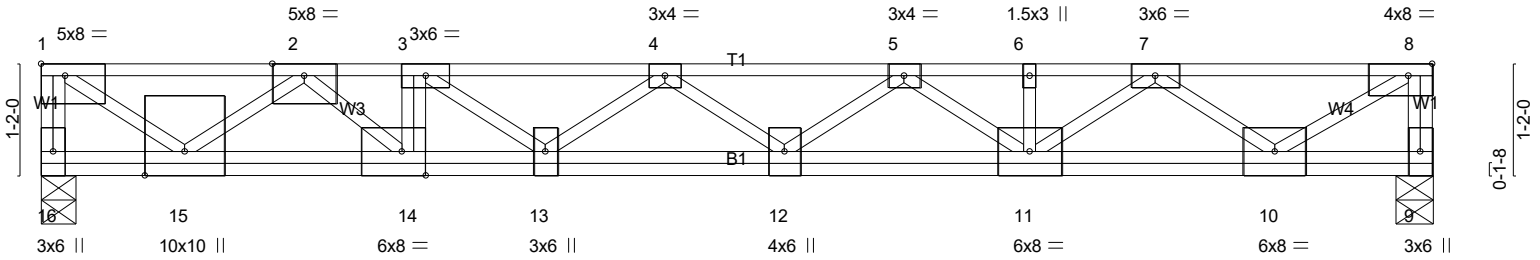
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Job 25-0890-F01	Truss F118	Truss Type FLOOR	Qty 2	Ply 1	LOT 0.0004 CAMPBELL RIDGE 138 ALDEN WAY ANGIER, NC Job Reference (optional) # 56556
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Scale: 1/2"=1'



3-10-12	14-6-8
3-10-12	10-7-12
Plate Offsets (X,Y)-- [1:Edge,0-1-8], [8:0-3-0,Edge], [14:0-3-0,Edge]	

LOADING (psf)	SPACING-	1-7-3	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP	
TCLL 40.0	Plate Grip DOL	1.00	TC 0.95	Vert(LL)	-0.09	12	>999	480	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.66	Vert(CT)	-0.28	12-13	>624	360		
BCLL 0.0	Rep Stress Incr	NO	WB 0.95	Horz(CT)	0.03	9	n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH							
									Weight: 97 lb	FT = 20%F, 11%E

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 4-2-15 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) *Except* W2: 2x4 SP No.2(flat)	

REACTIONS. (lb/size) 16=1630/0-4-8 (min. 0-1-8), 9=987/0-4-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-16=-1608/0, 8-9=-968/0, 1-2=-2133/0, 2-3=-5573/0, 3-4=-5359/0, 4-5=-4645/0,
5-6=-3322/0, 6-7=-3322/0, 7-8=-1362/0
BOT CHORD 14-15=0/4049, 13-14=0/5573, 12-13=0/5147, 11-12=0/4114, 10-11=0/2472
WEBS 3-14=-1314/0, 1-15=0/2619, 2-15=-2433/0, 2-14=0/2004, 3-13=-262/0, 4-13=0/270,
4-12=-637/0, 5-12=0/675, 5-11=-988/0, 7-11=0/1060, 7-10=-1410/0, 8-10=0/1620

- NOTES-** (4-5)
- 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) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
 - 5) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 9-16=-8, 1-8=-80
Concentrated Loads (lb)
Vert: 3=-1360
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 9-16=-8, 1-8=-80
Concentrated Loads (lb)
Vert: 3=-1360



2/4/2025

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.

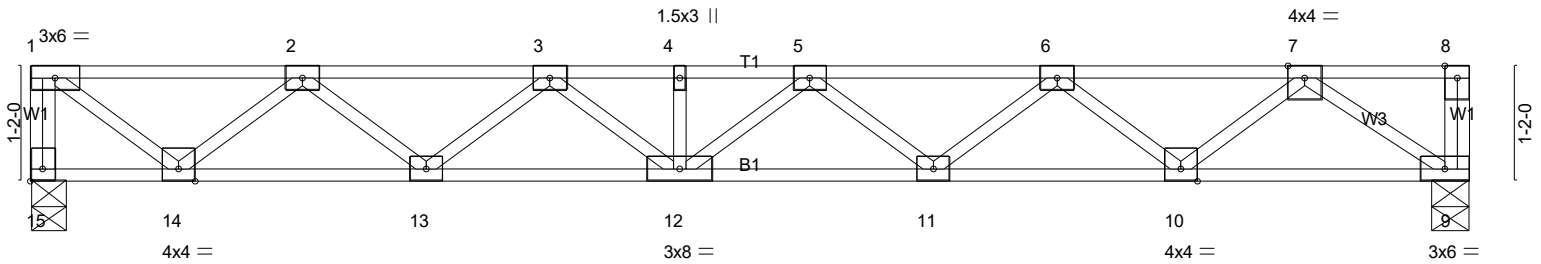
Job 25-0890-F01	Truss F119	Truss Type Floor	Qty 3	Ply 1	LOT 0.0004 CAMPBELL RIDGE 138 ALDEN WAY ANGIER, NC Job Reference (optional) # 56556
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1-3-0

1-5-0

Scale = 1:23.3



1-6-0	4-0-0	9-1-8	11-7-8	14-3-8	14-6-8
1-6-0	2-6-0	5-1-8	2-6-0	2-8-0	0-3-0
Plate Offsets (X,Y)-- [15: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 0.29	Vert(LL)	-0.10	11-12	>999	480	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.56	Vert(CT)	-0.17	11-12	>986	360		
BCLL 0.0	Rep Stress Incr	NO	WB 0.48	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-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

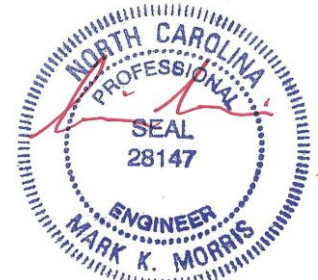
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 15=696/0-4-8 (min. 0-1-8), 9=801/0-4-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-15=-691/0, 1-2=-801/0, 2-3=-1932/0, 3-4=-2547/0, 4-5=-2547/0, 5-6=-2564/0, 6-7=-1789/0
BOT CHORD 13-14=0/1510, 12-13=0/2329, 11-12=0/2659, 10-11=0/2446, 9-10=0/1105
WEBS 1-14=0/1005, 2-14=-923/0, 2-13=0/549, 3-13=-517/0, 3-12=0/278, 6-10=-855/0, 7-10=0/890, 7-9=-1334/0

- NOTES-** (4-5)
- All plates are 3x4 MT20 unless otherwise indicated.
 - 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.
 - 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.
 - Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
 - Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

- LOAD CASE(S)** Standard
- Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 9-15=-8, 1-8=-80
Concentrated Loads (lb)
Vert: 6=-240
 - Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 9-15=-8, 1-8=-80
Concentrated Loads (lb)
Vert: 6=-240



2/4/2025

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 25-0890-F01	Truss F120	Truss Type Floor Supported Gable	Qty 1	Ply 1	LOT 0.0004 CAMPBELL RIDGE 138 ALDEN WAY ANGIER, NC Job Reference (optional) # 56556
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0-1-8

Scale = 1:12.7

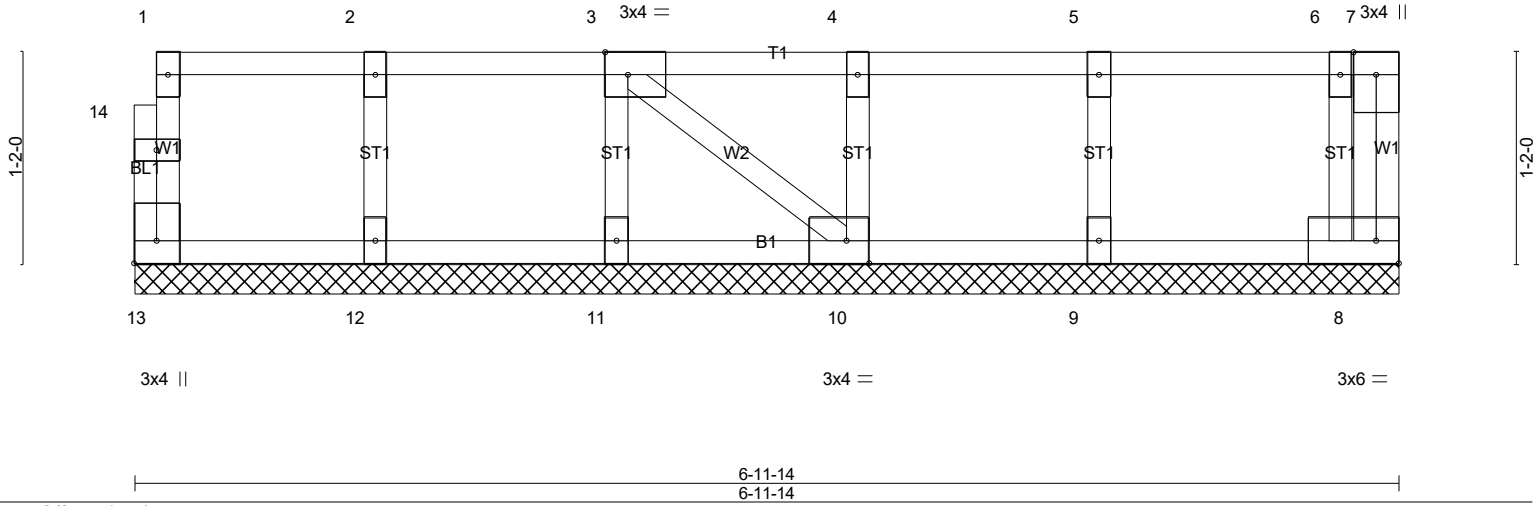


Plate Offsets (X,Y)-- [3:0-1-8,Edge], [10:0-1-8,Edge], [13:Edge,0-1-8]					
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.06	Vert(LL) n/a - n/a 999	MT20	244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.01	Vert(CT) n/a - n/a 999		
BCLL 0.0	Rep Stress Incr YES	WB 0.03	Horz(CT) 0.00 8 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)	
OTHERS 2x4 SP No.3(flat)	

REACTIONS. All bearings 6-11-14.
(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-** (7-8)
- 1) All plates are 1.5x3 MT20 unless otherwise indicated.
 - 2) Gable requires continuous bottom chord bearing.
 - 3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - 4) Gable studs spaced at 1-4-0 oc.
 - 5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - 6) CAUTION, Do not erect truss backwards.
 - 7) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
 - 8) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard



2/4/2025

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Job 25-0890-F01	Truss F121	Truss Type Floor	Qty 5	Ply 1	LOT 0.0004 CAMPBELL RIDGE 138 ALDEN WAY ANGIER, NC Job Reference (optional) # 56556
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Scale = 1:13.7

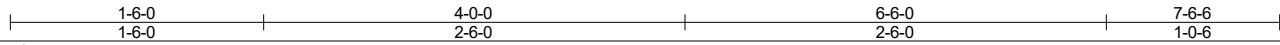
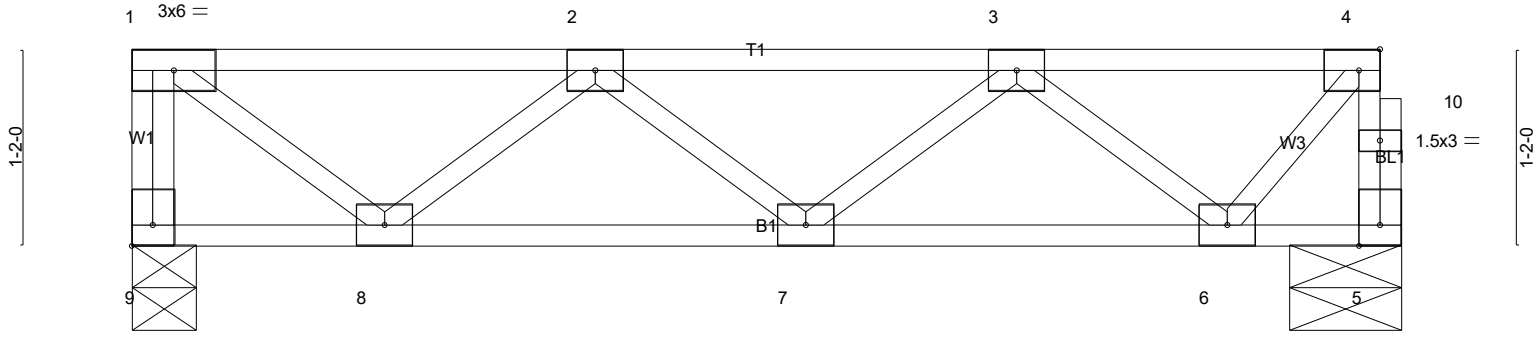


Plate Offsets (X,Y)-- [4:0-1-8,Edge], [9:Edge,0-1-8]

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 0.28	Vert(LL) -0.01 7 >999 480	MT20	244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.15	Vert(CT) -0.02 7 >999 360		
BCLL 0.0	Rep Stress Incr YES	WB 0.23	Horz(CT) 0.00 5 n/a n/a		
BCDL 5.0	Code IRC2021/TPI2014	Matrix-P			
				Weight: 41 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) 9=400/0-4-8 (min. 0-1-8), 5=394/0-7-14 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-9=-395/0, 5-10=-393/0, 4-10=-393/0, 1-2=-382/0, 2-3=-680/0, 3-4=-275/0
BOT CHORD 7-8=0/705, 6-7=0/623
WEBS 1-8=0/480, 2-8=-420/0, 3-6=-453/0, 4-6=0/399

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

LOAD CASE(S) Standard



2/4/2025

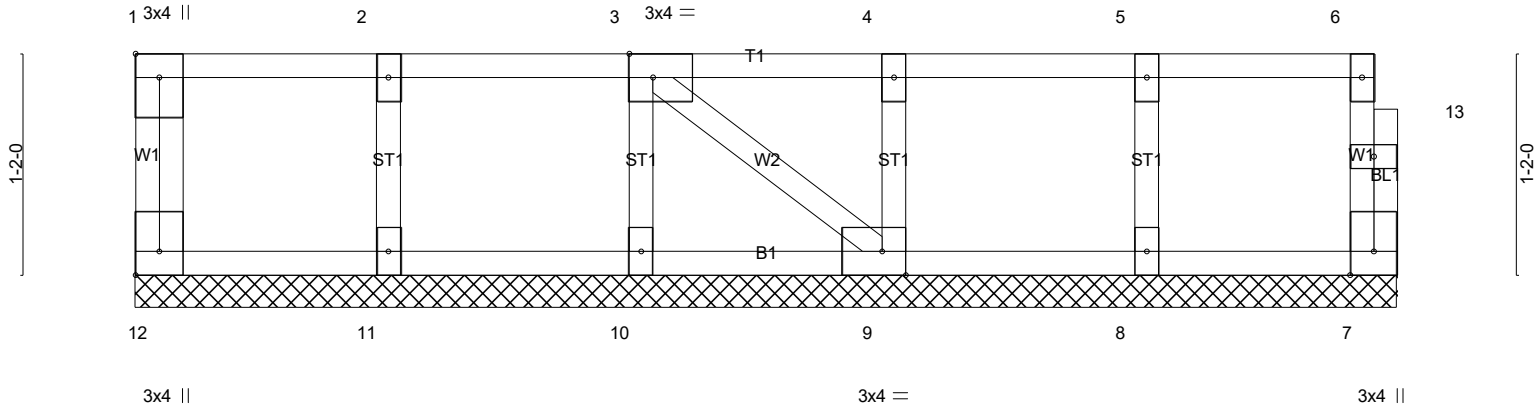
Warning!—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – 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 25-0890-F01	Truss F122	Truss Type Floor Supported Gable	Qty 1	Ply 1	LOT 0.0004 CAMPBELL RIDGE 138 ALDEN WAY ANGIER, NC Job Reference (optional) # 56556
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Q-1-8

Scale = 1:12.2



6-7-14
6-7-14

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [3:0-1-8,Edge], [9:0-1-8,Edge], [12: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	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.01	Vert(CT)	n/a	-	n/a		
BCLL 0.0	Rep Stress Incr	YES	WB 0.03	Horz(CT)	0.00	7	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-P						
								Weight: 33 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)
OTHERS 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. All bearings 6-7-14.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 12, 7, 11, 10, 9, 8

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

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

LOAD CASE(S) Standard



2/4/2025

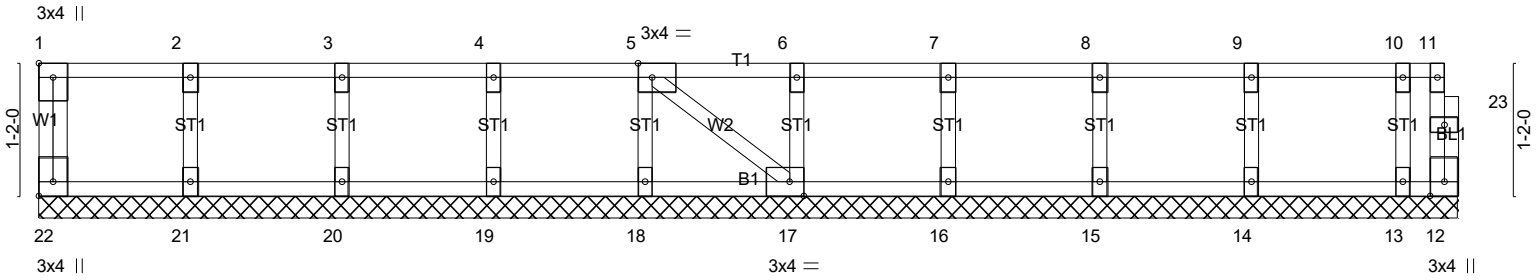
Warning!—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – 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 0.0004 CAMPBELL RIDGE 138 ALDEN WAY ANGIER, NC
25-0890-F01	F123	Floor Supported Gable	2	1	
					# 56556

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0-1-8

Scale = 1:20.3



12-5-14
12-5-14

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [5:0-1-8,Edge], [17:0-1-8,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: 57 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)
 OTHERS 2x4 SP No.3(flat)

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

REACTIONS. All bearings 12-5-14.
 (lb) - Max Uplift All uplift 100 lb or less at joint(s) 12
 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-** (8-9)
- All plates are 1.5x3 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - Gable studs spaced at 1-4-0 oc.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12.
 - Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - CAUTION, Do not erect truss backwards.
 - Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
 - Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard



2/4/2025

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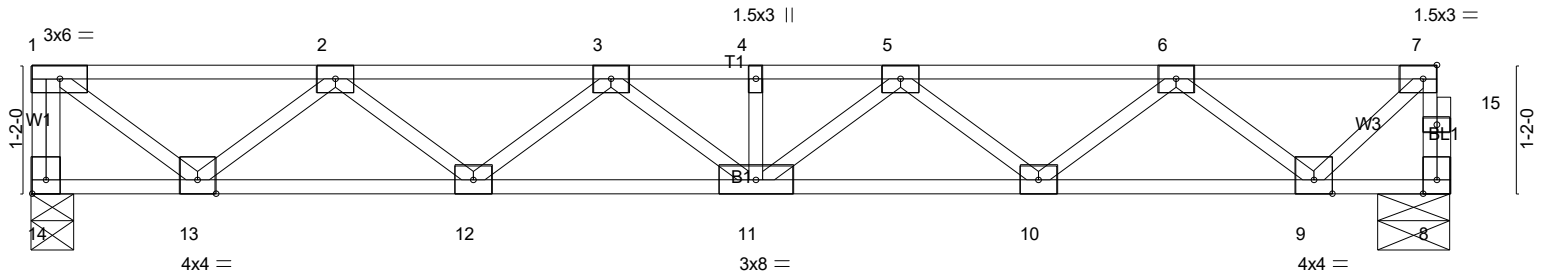
Job 25-0890-F01	Truss F124	Truss Type Floor	Qty 13	Ply 1	LOT 0.0004 CAMPBELL RIDGE 138 ALDEN WAY ANGIER, NC Job Reference (optional) # 56556
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ID:HnBel3ytaQyabiQe8fkFI9zx7Fz-hc9FOLook4Wei6fYv441i_mDerOHeKICuyy0kPzoFBFD

1-3-0

0-11-14 0-1-8

Scale = 1:20.9



1-6-0	4-0-0	9-1-8	11-7-8	12-10-6
1-6-0	2-6-0	5-1-8	2-6-0	1-2-14

Plate Offsets (X,Y)-- [7:0-1-8,Edge], [14:Edge,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	2-0-0	TC 0.29	Vert(LL) -0.08	11	>999	480	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.00	BC 0.40	Vert(CT) -0.11	11	>999	360		
BCLL 0.0	Lumber DOL 1.00	WB 0.46	Horz(CT) 0.02	8	n/a	n/a		
BCDL 5.0	Rep Stress Incr YES	Matrix-SH						
	Code IRC2021/TPI2014							
							Weight: 67 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) 14=694/0-4-8 (min. 0-1-8), 8=688/0-7-14 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-14=-687/0, 8-15=-685/0, 7-15=-683/0, 1-2=-769/0, 2-3=-1760/0, 3-4=-2097/0, 4-5=-2097/0, 5-6=-1687/0, 6-7=-641/0
BOT CHORD 12-13=0/1444, 11-12=0/2046, 10-11=0/2013, 9-10=0/1329
WEBS 1-13=0/965, 2-13=-879/0, 2-12=0/412, 3-12=-371/0, 5-10=-425/0, 6-10=0/465, 6-9=-896/0, 7-9=0/844

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

LOAD CASE(S) Standard



2/4/2025

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