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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 #: 58837 JOB: 25-3559-F01

JOB NAME: LOT 0.0002 CAMPBELL RIDGE

Wind Code: N/A

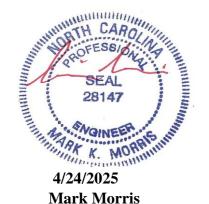
Wind Speed: Vult= N/A Exposure Category: N/A Mean Roof Height (feet): N/A

These truss designs comply with IRC 2015 as well as IRC 2018.

22 Truss Design(s)

Trusses:

F1-01, F1-02, F1-03, F1-04, F1-05, F1-06, F1-08, F1-09, F1-10, F1-11, F1-12, F1-12A, F1-13, F1-14, F1-15, F1-19, F1-20, F1-29, F1-30, F1-31, F1-32, F1-33



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

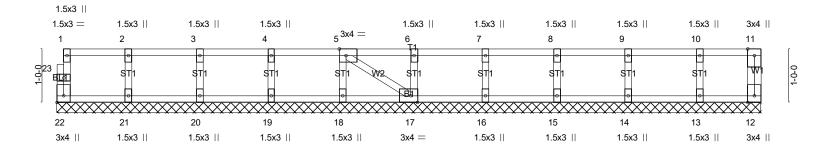
Warning !—Verify design parameters and read notes before use.

Job	Truss	Truss Type	Qty	Ply	LOT 0.0002 CAMPBELL RIDGE 102 ALDEN WAY ANGIER, NC
25-3559-F01	F1-01	Floor Supported Gable	1	1	Job Reference (optional) # 58837

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 22:21:08 2025 Page 1 ID:5fxLxLn?C6dWjia?SHK4thzkcYI-ocSL0JOkjzq1tecS_5ao7fwQVuozpeGxvHaljEzNNxf

0_1_8

Scale = 1:21.5



-			13-1-12 13-1-12		
Plate Offsets (X,Y) [[5:0-1-8,Edge], [17:0-1-8,Edge], [22:E	dge,0-1-8]			
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.06 BC 0.01 WB 0.03 Matrix-SH	DEFL. in Vert(LL) n/a Vert(CT) n/a Horz(CT) 0.00	(loc) I/defl L/d - n/a 999 - n/a 999 12 n/a n/a	PLATES GRIP MT20 244/190 Weight: 55 lb FT = 20%F, 11%E

WFBS

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

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 13-1-12.

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

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

NOTES-

LUMBER-

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

LOAD CASE(S) Standard



4/24/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0002 CAMPBELL RIDGE 102 ALDEN WAY ANGIER, NC
25-3559-F01	F1-02	Floor	5	1	Job Reference (optional) # 58837

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 22:21:08 2025 Page 1 ID:5fxLxLn?C6dWjia?SHK4thzkcYl-ocSL0JOkjzq1tecS_5ao7fwLtugepWQxvHaljEzNNxf

Structural wood sheathing directly applied or 6-0-0 oc purlins, except

Rigid ceiling directly applied or 10-0-0 oc bracing.

0-1-8 1-3-0 $H \vdash$

1-3-4 Scale = 1:21.5

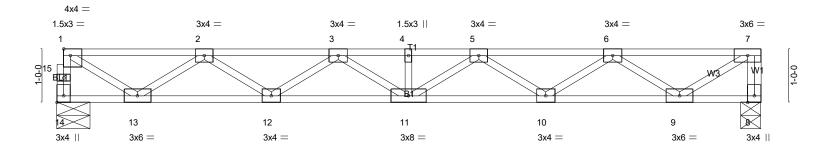


Plate Offsets (X Y)	+ 4-0-0 2-6-0 [1:Edge,0-1-8], [14:Edge,0-1-8]		9-1-8 5-1-8	+ 11-7-8 2-6-0	13-1-12 1-6-4
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr NO Code IRC2021/TPI2014	CSI. TC 0.35 BC 0.54 WB 0.53 Matrix-SH	DEFL. in (loc) l/def Vert(LL) -0.12 11 >998 Vert(CT) -0.17 11 >938 Horz(CT) 0.03 8 n/a	9 480 MT20 8 360	GRIP 244/190 6 lb FT = 20%F, 11%E

BRACING-

TOP CHORD

BOT CHORD

end verticals.

LUMBER-

TOP CHORD 2x4 SP No.1(flat)

BOT CHORD 2x4 SP No.1(flat)

2x4 SP No.3(flat) **WEBS**

REACTIONS. (lb/size) 14=703/0-7-8 (min. 0-1-8), 8=1109/0-4-8 (min. 0-1-8)

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

TOP CHORD 14-15=-698/0, 1-15=-696/0, 7-8=-1102/0, 1-2=-940/0, 2-3=-2158/0, 3-4=-2605/0, 4-5=-2605/0, 5-6=-2166/0,

BOT CHORD 12-13=0/1759, 11-12=0/2521, 10-11=0/2523, 9-10=0/1772

WEBS 1-13=0/1070, 2-13=-1000/0, 2-12=0/487, 3-12=-443/0, 5-10=-436/0, 6-10=0/481, 6-9=-1004/0, 7-9=0/1121

NOTES-

- 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.

LOAD CASE(S) Standard

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 8-14=-10, 1-7=-100 Concentrated Loads (lb)

Vert: 7=-400

2) Dead: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 8-14=-10, 1-7=-100

Concentrated Loads (lb)

Vert: 7=-400



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Job	Truss	Truss Type	Qty	Ply	LOT 0.0002 CAMPBELL RIDGE 102 ALDEN WAY ANGIER, NC
25-3559-F01	F1-03	Floor	1	1	Job Reference (optional) # 58837

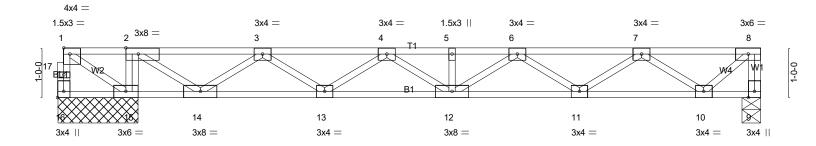
Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 22:21:09 2025 Page 1 ID:5fxLxLn?C6dWjia?SHK4thzkcYl-Gp0jDfPMUGzuVoBfYp51fsTSyl3yYyz48xJJFhzNNxe

Structural wood sheathing directly applied or 6-0-0 oc purlins, except

Rigid ceiling directly applied or 10-0-0 oc bracing, Except:

0-1-8 1-1-8 1-3-0 HH

Scale = 1:23.2



1-4-8 0-1-8	2-10-8 1-4-8 -,0-1-8], [2:0-3-0,Edge], [16:Edge	le 0-1-81	10-6-0 5-1-8		13-0-0 2-6-0	14-1-12
LOADING (psf) S TCLL 40.0 P TCDL 10.0 L BCLL 0.0 R	BPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Lode IRC2021/TPI2014	CSI. TC 0.59 BC 0.34 WB 0.58 Matrix-SH	Vert(LL) -0.07 12 > Vert(CT) -0.10 12 > Vert(CT)	defl L/d 999 480 999 360 n/a n/a	PLATES MT20 Weight: 73 lb	GRIP 244/190 FT = 20%F, 11%E

BRACING-

TOP CHORD

BOT CHORD

end verticals.

6-0-0 oc bracing: 15-16,14-15.

LUMBER-

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

WFBS

2x4 SP No.3(flat)

REACTIONS. (lb/size) 16=-964/1-7-8 (min. 0-1-8), 9=575/0-4-8 (min. 0-1-8), 15=1911/1-7-8 (min. 0-1-8)

Max Uplift16=-1011(LC 4)

Max Grav 9=575(LC 4), 15=1911(LC 1)

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

TOP CHORD 16-17=0/1005, 1-17=0/1003, 8-9=-572/0, 1-2=0/1536, 2-3=0/514, 3-4=-954/0, 4-5=-1670/0,

5-6=-1670/0, 6-7=-1498/0, 7-8=-564/0

BOT CHORD 14-15=-1536/0, 13-14=0/413, 12-13=0/1456, 11-12=0/1734, 10-11=0/1227 2-15=-891/0, 1-15=-1760/0, 2-14=0/1213, 3-14=-1129/0, 3-13=0/663, 4-13=-615/0, WEBS

4-12=0/257, 6-11=-288/0, 7-11=0/332, 7-10=-809/0, 8-10=0/743

NOTES-

1) Unbalanced floor live loads have been considered for this design.

2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1011 lb uplift at joint 16.

3) This truss has large uplift reaction(s) from gravity load case(s). Proper connection is required to secure truss against upward movement at the bearings. Building designer must provide for uplift reactions 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



4/24/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0002 CAMPBELL RIDGE 102 ALDEN WAY ANGIER, NC
25-3559-F01	F1-04	Floor	8	1	Job Reference (optional) # 58837

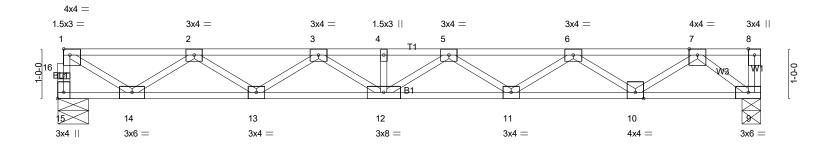
8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 22:21:09 2025 Page 1 ID:5fxLxLn?C6dWjia?SHK4thzkcYI-Gp0jDfPMUGzuVoBfYp51fsTXQI?BYzI48xJJFhzNNxe

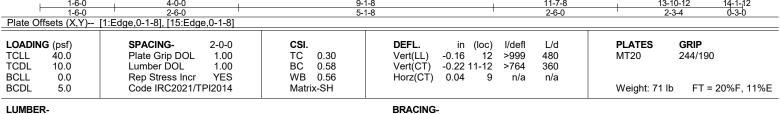
Structural wood sheathing directly applied or 6-0-0 oc purlins, except

Rigid ceiling directly applied or 10-0-0 oc bracing.

0-1-8 1-3-0 $H \vdash$

1-0-4 Scale = 1:23.2





TOP CHORD

BOT CHORD

end verticals.

LUMBER-

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

2x4 SP No.3(flat) **WEBS**

REACTIONS. (lb/size) 15=758/0-7-8 (min. 0-1-8), 9=764/0-4-8 (min. 0-1-8)

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

TOP CHORD 15-16=-753/0, 1-16=-751/0, 1-2=-1026/0, 2-3=-2400/0, 3-4=-3005/0, 4-5=-3005/0, 5-6=-2721/0, 6-7=-1692/0

BOT CHORD 13-14=0/1923, 12-13=0/2841, 11-12=0/3013, 10-11=0/2396, 9-10=0/950

WEBS 1-14=0/1168, 2-14=-1095/0, 2-13=0/583, 3-13=-539/0, 5-11=-356/0, 6-11=0/398, 6-10=-859/0, 7-10=0/905,

NOTES-(3)

- 1) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 2) CAUTION, Do not erect truss backwards

LOAD CASE(S) Standard

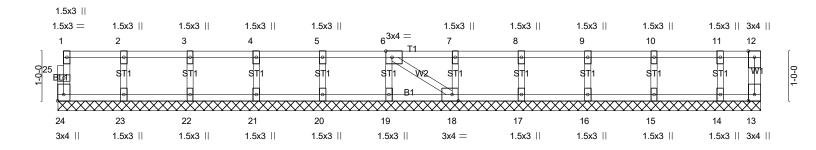


Job	Truss	Truss Type	Qty	Ply	LOT 0.0002 CAMPBELL RIDGE 102 ALDEN WAY ANGIER, NC
25-3559-F01	F1-05	Floor Supported Gable	1	1	Job Reference (optional) # 58837

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0-1-8

Scale = 1:23.2



	14-1-12							
Plate Offsets (X,Y)	[6:0-1-8,Edge], [18:0-1-8,Edge], [24:E	Edge,0-1-8]						
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) I/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 13 n/a n/a					
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH		Weight: 59 lb FT = 20%F, 11%E				

14-1-12

LUMBER-

TOP CHORD 2x4 SP No.1(flat)

BOT CHORD 2x4 SP No.1(flat)

2x4 SP No.3(flat) WFBS

2x4 SP No.3(flat) **OTHERS**

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 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-

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

LOAD CASE(S) Standard

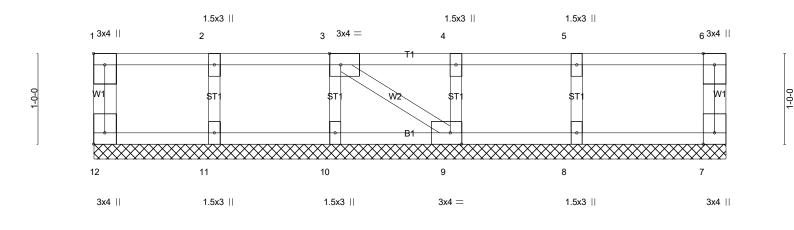


4/24/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0002 CAMPBELL RIDGE 102 ALDEN WAY ANGIER, NC	
25-3559-F01	F1-06	GABLE	1	1	Job Reference (optional) # 58837	

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Scale = 1:12.7



	1-4-0	1	1-0	1-4-0	1-4-0		1-7-12
Plate Offsets (X,Y)	[1:Edge,0-1-8], [3:0-1-8	,Edge], [9:0-1	-8,Edge], [12:Edg	e,0-1-8]			
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc) I/de	fl L/d	PLATES GRIP
TCLL 40.0 TCDL 10.0	Plate Grip DOL Lumber DOL	1.00 1.00	TC 0.08 BC 0.01	Vert(LL) Vert(CT)	n/a - n/a n/a - n/a		MT20 244/190
BCLL 0.0 BCDL 5.0	Rep Stress Incr Code IRC2021/T	YES	WB 0.04 Matrix-P	Horz(CT)	-0.00 9 n/a		Weight: 32 lb FT = 20%F. 11%E

4-0-0

LUMBER-

TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(flat) 2x4 SP No.3(flat) WFBS 2x4 SP No.3(flat) **OTHERS**

BRACING-TOP CHORD

Structural wood sheathing directly applied or 6-11-12 oc purlins,

6-11-12

except end verticals.

5-4-0

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 6-11-12.

(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.

(5) NOTES-

1) Gable requires continuous bottom chord bearing.

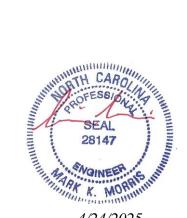
1-4-0

2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).

2-8-0

- 3) Gable studs spaced at 1-4-0 oc.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

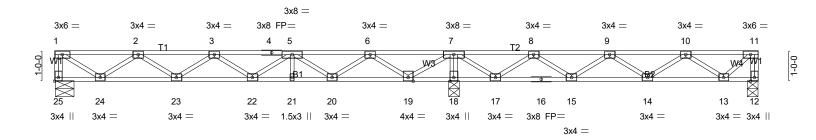


Job Truss Type Truss Qtv LOT 0.0002 CAMPBELL RIDGE | 102 ALDEN WAY ANGIER, NC F1-08 Floor 25-3559-F01 # 58837 Job Reference (optional)

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0-10-10 1-3-0 1-4-8

Scale = 1:37.9



1-6-0 1-6-0 Plate Offsets (X,Y)	4-0-0 6-6-0 2-6-0 2-6-0 [25:Edge,0-1-8]	9-1-8 11-7-8 2-7-8 2-6-0	13-1-8 14-6-0 1-6-0 1-4-8		19-6-0 22-0-0 23-1-10 2-6-0 2-6-0 1-1-10
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 1-4-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr NO Code IRC2021/TPI2014	CSI. TC 0.35 BC 0.28 WB 0.43 Matrix-SH	DEFL. in (loc) Vert(LL) -0.06 22 Vert(CT) -0.08 22 Horz(CT) 0.01 18	l/defl L/d >999 480 >999 360 n/a n/a	PLATES GRIP MT20 244/190 Weight: 115 lb FT = 20%F, 11%E

LUMBER-**BRACING-**

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

2x4 SP No.3(flat) WFBS

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) 25=384/0-7-8 (min. 0-1-8), 12=641/0-4-6 (min. 0-1-8), 18=1653/0-4-8 (min. 0-1-8)

Max Grav 25=405(LC 3), 12=702(LC 4), 18=1653(LC 1)

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

TOP CHORD 1-25=-400/0, 11-12=-700/0, 1-2=-517/0, 2-3=-1144/0, 3-4=-1217/0, 4-5=-1217/0, 5-6=-750/59, 6-7=0/514, 7-8=0/779, 8-9=-544/384, 9-10=-676/123, 10-11=-278/10

23-24=0/969, 22-23=0/1296, 21-22=0/1111, 20-21=0/1111, 19-20=-210/380, 18-19=-1296/0, **BOT CHORD**

17-18=-1305/0, 16-17=-567/339, 15-16=-567/339, 14-15=-228/724, 13-14=-42/604 7-18=-1624/0, 1-24=0/613, 2-24=-551/0, 5-20=-474/0, 6-20=0/491, 6-19=-793/0,

7-19=0/907, 7-17=0/704, 8-17=-653/0, 8-15=0/363, 9-15=-331/0, 10-13=-397/39,

11-13=-14/368

NOTES-

WEBS

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

LOAD CASE(S) Standard

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 12-25=-7, 1-11=-67

Concentrated Loads (lb)

Vert: 7=-600 11=-400

2) Dead: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 12-25=-7, 1-11=-67

Concentrated Loads (lb)

Vert: 7=-600 11=-400

3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 12-25=-7, 1-7=-67, 7-11=-13



Continued on page 2 4/24/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0002 CAMPBELL RIDGE 102 ALDEN WAY	ANGIER, NC
25-3559-F01	F1-08	Floor	3	1	Job Reference (optional)	# 58837

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LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 7=-600 11=-400

4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf)

Vert: 12-25=-7, 1-7=-13, 7-11=-67

Concentrated Loads (lb)

Vert: 7=-600 11=-400

5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 12-25=-7, 1-7=-67, 7-11=-13

Concentrated Loads (lb)

Vert: 7=-600 11=-400

6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 12-25=-7, 1-7=-13, 7-11=-67

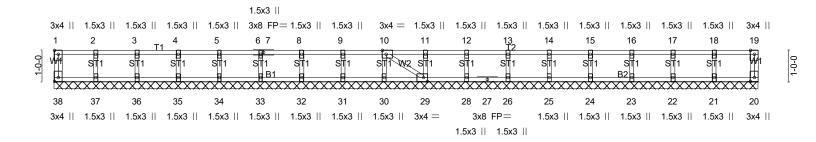
Concentrated Loads (lb) Vert: 7=-600 11=-400



Job	Truss	Truss Type	Qty	Ply	LOT 0.0002 CAMPBELL RIDGE 102 ALDEN WAY ANGIER, NC	
25-3559-F01	F1-09	Floor Supported Gable	1	1	Job Reference (optional) # 58837	,

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 22:21:11 2025 Page 1 ID:5fxLxLn?C6dWjia?SHK4thzkcYI-CB7TeLQc0uDcl6K1fD8VkHYwc6qf0?zNbFoPKZzNNxc

Scale = 1:37.3



			22-9-2	
1			22-9-2	ı
Plate Offsets (X Y)	[1:Edge,0-1-8], [10:0-1-8,Edge], [29:0	-1-8 Edgel [38:Edge 0-	I - 81	
		: 0,2490]; [00:2490;0		
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) I/defl L/d	PLATES GRIP
TCLL Ÿ0.Ó	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 26 n/a n/a	
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH	, ,	Weight: 92 lb FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SF	P No 1(flat)		BRACING- TOP CHORD Structural wood sheathing	directly applied or 10-0-0 oc purlins, except

BOT CHORD

end verticals.

Rigid ceiling directly applied or 10-0-0 oc bracing.

22-0-2

REACTIONS. All bearings 22-9-2.

2x4 SP No.3(flat)

2x4 SP No.3(flat)

BOT CHORD 2x4 SP No.1(flat)

(lb) - Max Grav All reactions 250 lb or less at joint(s) 38, 20, 37, 36, 35, 34, 33, 32, 31, 30, 29, 28, 26, 25, 24, 23, 22, 21

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

WFBS

OTHERS

- 1) Gable requires continuous bottom chord bearing.
- 2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 3) Gable studs spaced at 1-4-0 oc.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard



4/24/2025

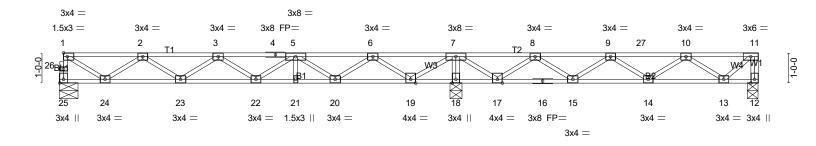
Job	Truss	Truss Type	Qty	Ply	LOT 0.0002 CAMPBELL RIDGE 102 ALDEN WAY ANGIER, NC
25-3559-F01	F1-10	Floor	6	1	Job Reference (optional) # 58837

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 22:21:12 2025 Page 1 ID:5fxLxLn?C6dWjia?SHK4thzkcYI-gOhrrhREnBLTMFvEDxfkHV5syV5ElLbXqvYzs0zNNxb

0-1-8 H | 1-3-0

1-4-8

0-10-12 Scale = 1:38.2



4-0-0	6-6-0	9-1-8		13-1-8	14-6-0				22-0	
	2-6-0	2-7-8	2-6-0	1-6-0	<u>' 1-4-8 '</u>	2-6-0	<u>'</u>	2-6-0	2-6-	0 ' 1-1-12 '
25:Edge,0-1-8]										
SPACING-	1-4-0	CSI.		DEFL.	in (lo	c) I/defl	L/d		PLATES	GRIP
Plate Grip DO	DL 1.00	TC	0.99	Vert(LL)	-0.06	22 >999	480		MT20	244/190
Lumber DOL	1.00	BC	0.31	Vert(CT)	-0.07	22 >999	360			
Rep Stress Ir	ncr NO	WB	0.46	Horz(CT)	0.01	12 n/a	n/a			
Code IRC202	21/TPI2014	Matri	x-SH						Weight: 115 I	b FT = 20%F, 11%E
	2-6-0 25:Edge,0-1-8] SPACING- Plate Grip DO Lumber DOL Rep Stress Ir	2-6-0 2-6-0 25:Edge,0-1-8] SPACING- 1-4-0 Plate Grip DOL 1.00 Lumber DOL 1.00	2-6-0 2-6-0 2-7-8 25:Edge,0-1-8] SPACING- 1-4-0 CSI. Plate Grip DOL 1.00 TC Lumber DOL 1.00 BC Rep Stress Incr NO WB	2-6-0 2-6-0 2-7-8 2-6-0 25:Edge,0-1-8] SPACING- 1-4-0 CSI. Plate Grip DOL 1.00 TC 0.99 Lumber DOL 1.00 BC 0.31 Rep Stress Incr NO WB 0.46	2-6-0 2-6-0 2-7-8 2-6-0 1-6-0 25:Edge,0-1-8] SPACING- 1-4-0 CSI. DEFL. Plate Grip DOL 1.00 TC 0.99 Vert(LL) Lumber DOL 1.00 BC 0.31 Vert(CT) Rep Stress Incr NO WB 0.46 Horz(CT)	2-6-0 2-6-0 2-7-8 2-6-0 1-6-0 1-4-8 25:Edge,0-1-8] SPACING- 1-4-0 CSI. DEFL. in (Icc. Plate Grip DOL 1.00 TC 0.99 Vert(LL) -0.06 Lumber DOL 1.00 BC 0.31 Vert(CT) -0.07 Rep Stress Incr NO WB 0.46 Horz(CT) 0.01	2-6-0 2-6-0 2-7-8 2-6-0 1-6-0 1-4-8 2-6-0 25:Edge,0-1-8] SPACING- 1-4-0 CSI. DEFL. in (loc) I/defl Plate Grip DOL 1.00 TC 0.99 Vert(LL) -0.06 22 >999 Lumber DOL 1.00 BC 0.31 Vert(CT) -0.07 22 >999 Rep Stress Incr NO WB 0.46 Horz(CT) 0.01 12 n/a	2-6-0 2-6-0 2-7-8 2-6-0 1-6-0 1-4-8 2-6-0 25:Edge,0-1-8] SPACING- 1-4-0 CSI. DEFL. in (loc) I/defl L/d Plate Grip DOL 1.00 TC 0.99 Vert(LL) -0.06 22 >999 480 Lumber DOL 1.00 BC 0.31 Vert(CT) -0.07 22 >999 360 Rep Stress Incr NO WB 0.46 Horz(CT) 0.01 12 n/a n/a	2-6-0 2-6-0 2-7-8 2-6-0 1-6-0 1-4-8 2-6-0 2-6-0 25:Edge,0-1-8] SPACING- 1-4-0 CSI. Plate Grip DOL 1.00 TC 0.99 Vert(LL) -0.06 22 >999 480 Lumber DOL 1.00 BC 0.31 Vert(CT) -0.07 22 >999 360 Rep Stress Incr NO WB 0.46 Horz(CT) 0.01 12 n/a n/a	2-6-0 2-6-0 2-7-8 2-6-0 1-6-0 1-4-8 2-6-0

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

BOT CHORD 2x4 SP No.1(flat)

WFBS

2x4 SP No.3(flat)

BRACING-TOP CHORD

Structural wood sheathing directly applied or 4-8-11 oc purlins, except

end verticals.

BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size) 25=363/0-7-8 (min. 0-1-8), 12=427/0-4-8 (min. 0-1-8), 18=1820/0-4-8 (min. 0-1-8)

Max Grav 25=384(LC 3), 12=489(LC 4), 18=1820(LC 1)

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

TOP CHORD 25-26=-380/0, 1-26=-380/0, 11-12=-486/0, 1-2=-493/0, 2-3=-1070/0, 3-4=-1095/0,

4-5=-1095/0, 5-6=-578/232, 6-7=0/732, 7-8=0/803, 8-9=-981/0, 9-27=-1297/0,

10-27=-1297/0 10-11=-525/0

BOT CHORD 23-24=0/917, 22-23=0/1198, 21-22=-72/965, 20-21=-72/965, 19-20=-409/183,

18-19=-1537/0, 17-18=-1546/0, 16-17=-392/513, 15-16=-392/513, 14-15=0/1424,

13-14=0/1149

7-18=-1788/0, 1-24=0/560, 2-24=-518/0, 5-20=-505/0, 6-20=0/522, 6-19=-819/0,

7-19=0/932, 7-17=0/961, 8-17=-896/0, 8-15=0/683, 9-15=-651/0, 10-13=-762/0,

11-13=0/691

(5)

WEBS

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

LOAD CASE(S)

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 12-25=-7, 1-11=-67

Concentrated Loads (lb)

Vert: 7=-600 27=-335

2) Dead: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 12-25=-7, 1-11=-67

Concentrated Loads (lb)

Vert: 7=-600 27=-335

3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00



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Continued on page 2

Job	Truss	Truss Type	Qty	Ply	LOT 0.0002 CAMPBELL RIDGE 102 ALDEN WAY	ANGIER, NC
25-3559-F01	F1-10	Floor	6	1	Job Reference (optional)	# 58837

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 22:21:12 2025 Page 2 ID:5fxLxLn?C6dWjia?SHK4thzkcYI-gOhrrhREnBLTMFvEDxfkHV5syV5ElLbXqvYzs0zNNxb

LOAD CASE(S)

Uniform Loads (plf)

Vert: 12-25=-7, 1-7=-67, 7-11=-13

Concentrated Loads (lb) Vert: 7=-600 27=-335

4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 12-25=-7, 1-7=-13, 7-11=-67

Concentrated Loads (lb)

Vert: 7=-600 27=-335

5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 12-25=-7, 1-7=-67, 7-11=-13

Concentrated Loads (lb)

Vert: 7=-600 27=-335

6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 12-25=-7, 1-7=-13, 7-11=-67

Concentrated Loads (lb)

Vert: 7=-600 27=-335



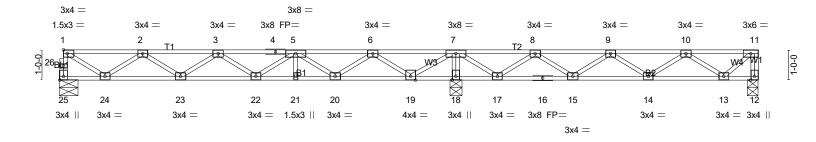
Job	Truss	Truss Type	Qty	Ply	LOT 0.0002 CAMPBELL RIDGE 102 ALDEN WAY ANGIER, NC
25-3559-F01	F1-11	Floor	3	1	loh Reference (ontional) # 58837

| Job Reference (optional) | Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 22:21:13 2025 Page 1 | ID:5fxLxLn?C6dWjia?SHK4thzkcYI-8aFE31StXVTK_PUQneAzqieCLvSGUpEg2ZHWPSzNNxa

Structural wood sheathing directly applied or 6-0-0 oc purlins, except

Rigid ceiling directly applied or 6-0-0 oc bracing.

0-1-8 H | 1-3-0 1-4-8 0-10-12 Scale = 1:38.2



1-6-0 1-6-0	4-0-0 6-6-0 2-6-0 2-6-0	9-1-8 11-7-8 2-7-8 2-6-0	13-1-8 14-6-0 17-0-0	19-6-0 22-0-0 23-1-12 2-6-0 2-6-0 1-1-12
Plate Offsets (X,Y)		201	DEEL : (1-1) 1/4-6 1/4	DI ATEO ODID
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0	SPACING- 1-4-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES	CSI. TC 0.31 BC 0.25 WB 0.43	DEFL. in (loc) l/defl L/d Vert(LL) -0.06 22 >999 480 Vert(CT) -0.08 22 >999 360 Horz(CT) 0.01 18 n/a n/a	PLATES GRIP MT20 244/190
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH	11012(01) 0.01 10 11/4 11/4	Weight: 115 lb FT = 20%F, 11%E

BRACING-

TOP CHORD

end verticals.

LUMBER-

TOP CHORD 2x4 SP No.1(flat)

BOT CHORD 2x4 SP No.1(flat)

WFBS

2x4 SP No.3(flat) **BOT CHORD**

REACTIONS. (lb/size) 25=380/0-7-8 (min. 0-1-8), 12=241/0-4-8 (min. 0-1-8), 18=1054/0-4-8 (min. 0-1-8)

Max Grav 25=400(LC 3), 12=303(LC 4), 18=1054(LC 1)

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

TOP CHORD 25-26=-397/0, 1-26=-396/0, 11-12=-301/0, 1-2=-519/0, 2-3=-1143/0, 3-4=-1216/0,

4-5=-1216/0, 5-6=-748/62, 6-7=0/516, 7-8=0/778, 8-9=-545/384, 9-10=-678/123,

10-11=-281/10

BOT CHORD 23-24=0/967, 22-23=0/1295, 21-22=0/1109, 20-21=0/1109, 19-20=-213/379, 18-19=-1300/0,

17-18=-1306/0, 16-17=-566/339, 15-16=-566/339, 14-15=-228/726, 13-14=-42/607 7-18=-1027/0, 1-24=0/589, 2-24=-547/0, 5-20=-475/0, 6-20=0/491, 6-19=-793/0, 7-19=0/909, 7-17=0/706, 8-17=-653/0, 8-15=0/363, 9-15=-332/0, 10-13=-397/39,

11-13=-13/371

NOTES-(4)

WEBS

- 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



4/24/2025

Job Truss Type Truss Qtv LOT 0.0002 CAMPBELL RIDGE | 102 ALDEN WAY ANGIER, NC F1-12 Floor 25-3559-F01 # 58837 Job Reference (optional)

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 22:21:13 2025 Page 1 ID:5fxLxLn?C6dWjia?SHK4thzkcYl-8aFE31StXVTK_PUQneAzqieBNvRzUoxg2ZHWPSzNNxa

1-5-12 0₋3-8 1-5-4

Scale = 1:38.0

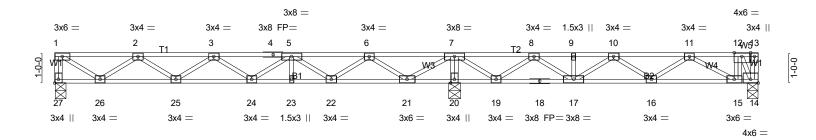


Plate Offsets (X V)	13-2-4 13-2-4 late Offsets (X,Y) [14:Edge,0-1-8], [27:Edge,0-1-8]			22-6-8 9-4-4	23-2-8 0-8-0	
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	14:Edge,0-1-8 , 27:Edge,0-1-8	CSI. TC 0.37 BC 0.27 WB 0.45 Matrix-SH	Vert(CT) -0.08 2	c) I/defl L/d 24 >999 480 24 >999 360 14 n/a n/a	PLATES MT20	GRIP 244/190 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 BOT CHORD 2x4 SP No.1(flat) end verticals.

BOT CHORD

2x4 SP No.3(flat) WFBS Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size) 27=379/0-4-8 (min. 0-1-8), 20=1121/0-4-8 (min. 0-1-8), 14=1049/0-4-8 (min. 0-1-8)

Max Grav 27=400(LC 3), 20=1121(LC 1), 14=1111(LC 4)

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

1-27=-395/0, 1-2=-509/0, 2-3=-1122/0, 3-4=-1180/0, 4-5=-1180/0, 5-6=-698/127, 6-7=0/582, 7-8=0/802, 8-9=-718/224, 9-10=-718/224, 10-11=-978/0, 11-12=-672/0

BOT CHORD 25-26=0/954, 24-25=0/1266, 23-24=0/1066, 22-23=0/1066, 21-22=-288/322, 20-21=-1408/0,

19-20=-1417/0, 18-19=-513/394, 17-18=-513/394, 16-17=0/960, 15-16=0/968, 14-15=0/672 **WEBS** 7-20=-1093/0, 1-26=0/604, 2-26=-542/0, 5-22=-483/0, 6-22=0/499, 6-21=-804/0,

7-21=0/948, 7-19=0/804, 8-19=-744/0, 8-17=0/514, 10-17=-399/0, 11-15=-338/154,

12-14=-1277/0

NOTES-

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

LOAD CASE(S) Standard

1-3-0

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 14-27=-7, 1-13=-67

Concentrated Loads (lb) Vert: 12=-865

2) Dead: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 14-27=-7, 1-13=-67 Concentrated Loads (lb)

Vert: 12=-865

3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 14-27=-7, 1-7=-67, 7-13=-13



Continued on page 2

4/24/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0002 CAMPBELL RIDGE 102 ALDEN WAY	ANGIER, NC
25-3559-F01	F1-12	Floor	2		Job Reference (optional)	# 58837

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 22:21:13 2025 Page 2 ID:5fxLxLn?C6dWjia?SHK4thzkcYI-8aFE31StXVTK_PUQneAzqieBNvRzUoxg2ZHWPSzNNxa

LOAD CASE(S) Standard

Concentrated Loads (lb) Vert: 12=-865

4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf)

Vert: 14-27=-7, 1-7=-13, 7-13=-67

Concentrated Loads (lb)

Vert: 12=-865

5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 14-27=-7, 1-7=-67, 7-13=-13

Concentrated Loads (lb)

Vert: 12=-865

6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 14-27=-7, 1-7=-13, 7-13=-67

Concentrated Loads (lb)

Vert: 12=-865



Job Truss Type Truss Qtv LOT 0.0002 CAMPBELL RIDGE | 102 ALDEN WAY ANGIER, NC Floor 25-3559-F01 F1-12A # 58837 Job Reference (optional)

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 22:21:14 2025 Page 1 ID:5fxLxLn?C6dWjia?SHK4thzkcYI-cmpcGNTVIpbBcZ3cLMhCMwAKXJI4DDYpHD13xuzNNxZ

0-3-8

1-3-0

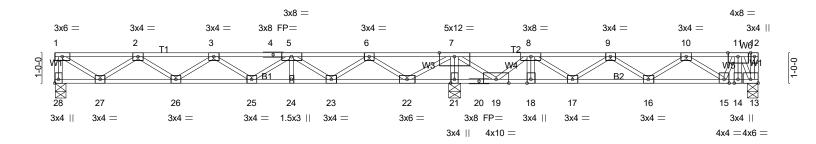
1-0-4 1-5-4

14-5-6

15-8-8

0_4_0 Scale = 1:38.0

FT = 20%F, 11%E



1-1-10 0-1-8 Plate Offsets (X,Y)-- [13:Edge,0-1-8], [28:Edge,0-1-8] LOADING (psf) SPACING-CSI. DEFL. I/defl L/d **PLATES GRIP** (loc) TCLL Ÿ0.Ó Plate Grip DOL 1.00 0.47 Vert(LL) -0.06 2Ś 480 MT20 244/190 TC >999 TCDL 10.0 Lumber DOL 1.00 ВС 0.41 Vert(CT) -0.08 16-17 >999 360 **BCLL** 0.0 Rep Stress Incr NO WB 0.62 Horz(CT) 0.01 13 n/a n/a

LUMBER-**BRACING-**

TOP CHORD 2x4 SP No.1(flat) TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except BOT CHORD 2x4 SP No.1(flat) end verticals.

2x4 SP No.3(flat) *Except* BOT CHORD WFBS Rigid ceiling directly applied or 6-0-0 oc bracing. W2: 2x4 SP No.2(flat)

Matrix-SH

REACTIONS. (lb/size) 28=331/0-4-8 (min. 0-1-8), 21=1926/0-4-8 (min. 0-1-8), 13=1223/0-4-8 (min. 0-1-8)

Max Grav 28=351(LC 3), 21=1926(LC 1), 13=1286(LC 4)

Code IRC2021/TPI2014

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

1-28=-347/0, 1-2=-434/0, 2-3=-910/37, 3-4=-831/245, 4-5=-831/245, 5-6=-206/614, TOP CHORD 6-7=0/1210. 7-8=-332/338. 8-9=-1881/0. 9-10=-1676/0. 10-11=-963/0

BOT CHORD 26-27=0/810, 25-26=-119/986, 24-25=-400/646, 23-24=-400/646, 22-23=-845/0,

21-22=-2109/0, 20-21=-2124/0, 19-20=-2124/0, 18-19=0/1823, 17-18=0/1823, 16-17=0/1904,

15-16=0/1426, 14-15=0/770, 13-14=0/770

7-21=-1879/0, 1-27=0/515, 2-27=-459/2, 5-25=0/258, 5-23=-568/0, 6-23=0/585 **WEBS**

6-22=-889/0, 7-22=0/1031, 7-19=0/2200, 8-19=-1960/0, 9-16=-278/0, 10-16=0/304,

10-15=-565/0, 11-15=0/416, 11-13=-1462/0

(5)

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

LOAD CASE(S)

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

5.0

BCDL

Vert: 13-28=-7, 1-12=-67

Concentrated Loads (lb) Vert: 8=-932 11=-865

2) Dead: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 13-28=-7, 1-12=-67

Concentrated Loads (lb)

Vert: 8=-932 11=-865

3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00

Continued on page 2 4/24/2025



Weight: 120 lb

Job	Truss	Truss Type	Qty	Ply	LOT 0.0002 CAMPBELL RIDGE 102 ALDEN WAY	ANGIER, NC
25-3559-F01	F1-12A	Floor	7	1	Job Reference (optional)	# 58837

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LOAD CASE(S)

Uniform Loads (plf)

Vert: 13-28=-7, 1-7=-67, 7-12=-13

Concentrated Loads (lb) Vert: 8=-932 11=-865

4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf)

Vert: 13-28=-7, 1-7=-13, 7-12=-67

Concentrated Loads (lb)

Vert: 8=-932 11=-865

5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 13-28=-7, 1-7=-67, 7-12=-13

Concentrated Loads (lb)

Vert: 8=-932 11=-865

6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 13-28=-7, 1-7=-13, 7-12=-67

Concentrated Loads (lb)

Vert: 8=-932 11=-865



Job	Truss	Truss Type	Qty	Ply	LOT 0.0002 CAMPBELL RIDGE 102 ALDEN WAY ANGIER, NC
25-3559-F01	F1-13	Floor	1	1	Job Reference (optional) # 58837

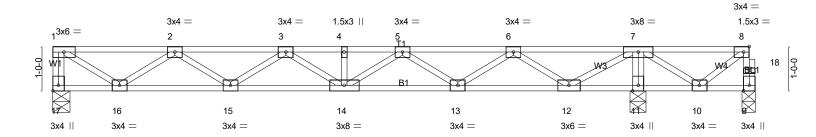
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Structural wood sheathing directly applied or 6-0-0 oc purlins, except

Rigid ceiling directly applied or 6-0-0 oc bracing.

1-0-0 0-1-8 1-5-4

Scale = 1:26.0



		13-2-4		15-9-12 2-7-8
Plate Offsets (X,Y)	[8:0-1-8,Edge], [17:Edge,0-1-8]	13-2-4		2-1-0
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 1-4-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.30 BC 0.24 WB 0.44 Matrix-SH	DEFL. in (loc) l/defl L/d Vert(LL) -0.05 14 >999 480 Vert(CT) -0.07 14 >999 360 Horz(CT) 0.01 11 n/a n/a	PLATES GRIP MT20 244/190 Weight: 80 lb FT = 20%F, 11%E

BRACING-

TOP CHORD

BOT CHORD

end verticals.

LUMBER-

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

1-3-0

WFBS

2x4 SP No.3(flat)

REACTIONS. (lb/size) 17=395/0-4-8 (min. 0-1-8), 9=-353/0-3-8 (min. 0-1-8), 11=1096/0-4-8 (min. 0-1-8)

Max Uplift9=-413(LC 3)

Max Grav 17=395(LC 3), 11=1096(LC 1)

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

TOP CHORD 1-17=-391/0, 9-18=0/419, 8-18=0/418, 1-2=-504/0, 2-3=-1098/0, 3-4=-1169/0,

4-5=-1169/0, 5-6=-650/0, 6-7=0/378, 7-8=0/540

15-16=0/943, 14-15=0/1229, 13-14=0/1002, 12-13=0/272, 11-12=-1189/0, 10-11=-1196/0 7-11=-1065/0, 1-16=0/597, 2-16=-536/0, 5-13=-435/0, 6-13=0/468, 6-12=-791/0, **BOT CHORD** WEBS

7-12=0/932, 7-10=0/777, 8-10=-661/0

NOTES-

- 1) Unbalanced floor live loads have been considered for this design.
- 2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 413 lb uplift at joint 9.
- 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



4/24/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0002 CAMPBELL RIDGE 102 ALDEN WAY ANGIER, NC
25-3559-F01	F1-14	Floor	4	1	Job Reference (optional) # 58837

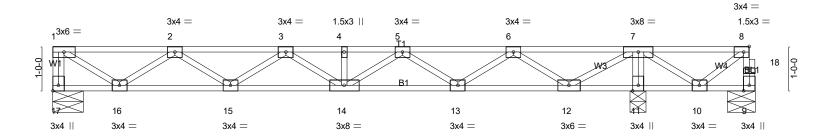
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Structural wood sheathing directly applied or 6-0-0 oc purlins, except

Rigid ceiling directly applied or 6-0-0 oc bracing.

1-0-0 0-1-8 1-3-0 1-5-4

Scale = 1:26.0



1-6-0 1-6-0	4-0-0 2-6-0	9-1-8 5-1-8	11-7-8 2-6-0		6-12 15-9-12 4-8 1-3-0
Plate Offsets (X,Y)	[8:0-1-8,Edge], [17:Edge,0-1-8]				
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0	SPACING- 1-4-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES	TC 0.30 Ve BC 0.24 Ve	ert(CT) -0.07 14 >999	L/d PLATES 480 MT20 360 n/a	GRIP 244/190
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH		Weight:	80 lb FT = 20%F, 11%E

BRACING-

TOP CHORD

BOT CHORD

end verticals.

LUMBER-

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

WFBS

2x4 SP No.3(flat)

REACTIONS. (lb/size) 17=395/0-8-4 (min. 0-1-8), 9=-353/0-7-8 (min. 0-1-8), 11=1096/0-4-8 (min. 0-1-8)

Max Uplift9=-413(LC 3)

Max Grav 17=395(LC 3), 11=1096(LC 1)

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

TOP CHORD 1-17=-391/0, 9-18=0/419, 8-18=0/418, 1-2=-504/0, 2-3=-1098/0, 3-4=-1169/0,

4-5=-1169/0, 5-6=-650/0, 6-7=0/378, 7-8=0/540

15-16=0/943, 14-15=0/1229, 13-14=0/1002, 12-13=0/272, 11-12=-1189/0, 10-11=-1196/0 7-11=-1065/0, 1-16=0/597, 2-16=-536/0, 5-13=-435/0, 6-13=0/468, 6-12=-791/0, **BOT CHORD** WEBS

7-12=0/932, 7-10=0/777, 8-10=-661/0

NOTES-

- 1) Unbalanced floor live loads have been considered for this design.
- 2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 413 lb uplift at joint 9.
- 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

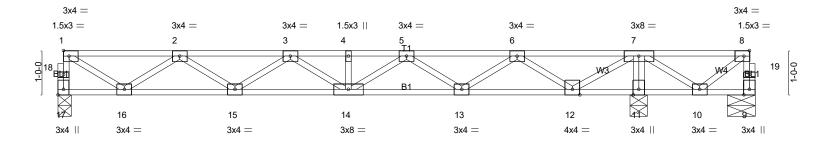


4/24/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0002 CAMPBELL RIDGE 102 ALDEN WAY ANGIER, NC
25-3559-F01	F1-15	Floor	1	1	Job Reference (optional) # 58837

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		13-1-8 13-1-8		15-9-0 2-7-8
Plate Offsets (X,Y) [8	3:0-1-8,Edge], [17:Edge,0-1-8]			
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 1-4-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.29 BC 0.24 WB 0.43 Matrix-SH	DEFL. in (loc) I/defl L/d Vert(LL) -0.05 14 >999 480 Vert(CT) -0.07 14 >999 360 Horz(CT) 0.01 11 n/a n/a	PLATES GRIP MT20 244/190 Weight: 80 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 BOT CHORD 2x4 SP No.1(flat) end verticals.

BOT CHORD

2x4 SP No.3(flat) Rigid ceiling directly applied or 6-0-0 oc bracing. WFBS

REACTIONS. (lb/size) 17=389/0-3-8 (min. 0-1-8), 9=-348/0-7-8 (min. 0-1-8), 11=1088/0-4-8 (min. 0-1-8)

Max Uplift9=-409(LC 3)

Max Grav 17=389(LC 3), 11=1088(LC 1)

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

TOP CHORD 17-18=-386/0, 1-18=-385/0, 9-19=0/414, 8-19=0/414, 1-2=-503/0, 2-3=-1090/0,

3-4=-1155/0, 4-5=-1155/0, 5-6=-632/0, 6-7=0/399, 7-8=0/535

BOT CHORD 15-16=0/936, 14-15=0/1219, 13-14=0/986, 11-12=-1178/0, 10-11=-1183/0 WEBS 7-11=-1057/0, 1-16=0/571, 2-16=-529/0, 5-13=-439/0, 6-13=0/472, 6-12=-791/0,

7-12=0/904, 7-10=0/768, 8-10=-654/0

NOTES-

- 1) Unbalanced floor live loads have been considered for this design.
- 2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 409 lb uplift at joint 9.
- 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



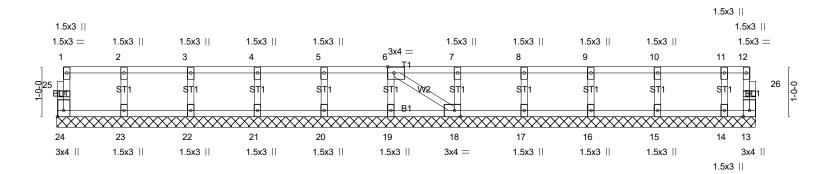
4/24/2025

Job		Truss	Truss Type	Qty	Ply	LOT 0.0002 CAMPBELL RIDGE 102 ALDEN WAY A	NGIER, NC
25-355	9-F01	F1-19	Floor Supported Gable	2	1	Job Reference (optional)	# 58837

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0_1_8

Scale = 1:23.0



<u> </u>			13-11-8 13-11-8			
Plate Offsets (X,Y) [6:0-1-8,Edge], [18:0-1-8,Edge], [24:Edge,0-1-8]						
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.06 BC 0.01 WB 0.03 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 18 n/a n/a	PLATES GRIP MT20 244/190 Weight: 58 lb FT = 20%F, 11%E		

LUMBER-**BRACING-**

TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(flat) 2x4 SP No.3(flat) WFBS **OTHERS**

2x4 SP No.3(flat)

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. All bearings 13-11-8.

(lb) - Max Uplift All uplift 100 lb or less at joint(s) 13

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.

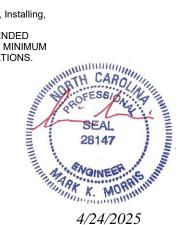
(6-9)

0-1-8

- 1) Gable requires continuous bottom chord bearing.
- 2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 3) Gable studs spaced at 1-4-0 oc.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 13.
- 5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 6) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
- 7) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
- 8) Web bracing shown is for lateral support of individual web members only. Refer to BCSI Guide to Good Practice for Handling, Installing,
- Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.

 9) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard



4/24/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0002 CAMPBELL RIDGE 102 ALDEN WAY ANGIER, NC
25-3559-F01	F1-20	Floor	8	1	Job Reference (optional) # 58837

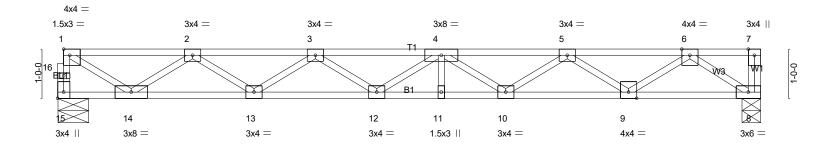
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Structural wood sheathing directly applied or 6-0-0 oc purlins, except

Rigid ceiling directly applied or 10-0-0 oc bracing.

0-1-8 1-3-0 $H \vdash$

1-2-4 Scale = 1:23.5



1-6-0	4-0-0 2-6-0	6-6-0 2-6-0	9-1-8 2-7-8	<u>11-7-8</u> 2-6-0	14-0-12 14-3-12 2-5-4 0-3-0
	:Edge,0-1-8], [15:Edge,0-1-8]				
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.36 BC 0.59 WB 0.56 Matrix-SH	DEFL. in (loc Vert(LL) -0.17 11-12 Vert(CT) -0.23 11-12 Horz(CT) 0.04	2 >999 480	PLATES GRIP MT20 244/190 Weight: 71 lb FT = 20%F, 11%E

TOP CHORD

BOT CHORD

end verticals.

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

2x4 SP No.3(flat) WFBS

REACTIONS. (lb/size) 15=767/0-7-8 (min. 0-1-8), 8=773/0-4-8 (min. 0-1-8)

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

TOP CHORD 15-16=-762/0, 1-16=-760/0, 1-2=-1038/0, 2-3=-2447/0, 3-4=-3029/0, 4-5=-2818/0, 5-6=-1811/0

BOT CHORD 13-14=0/1946, 12-13=0/2911, 11-12=0/3120, 10-11=0/3120, 9-10=0/2499, 8-9=0/1084

WEBS 1-14=0/1182, 2-14=-1108/0, 2-13=0/611, 3-13=-567/0, 4-10=-363/0, 5-10=0/389, 5-9=-840/0, 6-9=0/888, 6-8=-1302/0

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

LOAD CASE(S) Standard



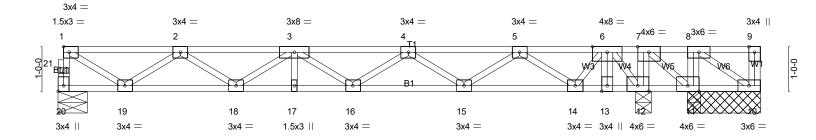
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0-1-8 1-3-0 ΗЬ





13-0-63-3-12 12-9-0 13-3-6 14-3-6 2₇5₇10₁13₇1₇14 0-1-8 0-3-60-0-6 0-1-8 0-3-6 0-1-80-4-14 0-1-8 Off- -1- (V/ V/) 100 E I

Plate Offsets (X,Y)	[20:Eage,0-1-8]			
LOADING (psf)	SPACING- 1-4-0	CSI.	DEFL. in (loc) I/defl L/d	PLATES GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.43	Vert(LL) -0.05 17 >999 480	MT20 244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.28	Vert(CT) -0.08 16 >999 360	
BCLL 0.0	Rep Stress Incr NO	WB 0.65	Horz(CT) 0.01 12 n/a n/a	
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH	, ,	Weight: 85 lb FT = 20%F, 11%E

LUMBER-**BRACING-**

TOP CHORD 2x4 SP No.1(flat) TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except BOT CHORD 2x4 SP No.1(flat) end verticals.

2x4 SP No.3(flat) **BOT CHORD** Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size) 20=402/0-7-14 (min. 0-1-8), 10=-340/1-7-8 (min. 0-1-8), 11=-396/1-7-8 (min. 0-1-8), 11=-396/1-7-8 (min. 0-1-8), 12=2204/0-4-8 (min. 0-1-8)

Max Uplift10=-372(LC 3), 11=-476(LC 3), 11=-396(LC 1)

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

TOP CHORD 20-21=-399/0, 1-21=-398/0, 1-2=-523/0, 2-3=-1149/0, 3-4=-1222/0, 4-5=-764/0,

6-7=0/1685, 7-8=0/614

BOT CHORD 18-19=0/973, 17-18=0/1311, 16-17=0/1311, 15-16=0/1116, 14-15=0/391, 13-14=-581/0,

12-13=-581/0, 11-12=-1685/0, 10-11=-614/0

WFRS 8-11=-462/0, 7-12=-934/0, 7-11=0/1357, 8-10=0/728, 1-19=0/594, 2-19=-550/0,

4-15=-429/0, 5-15=0/455, 5-14=-730/0, 6-14=0/589, 6-12=-1622/0

NOTES-(6-9)

WFBS

- 1) Unbalanced floor live loads have been considered for this design.
- 2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=372,
- 3) Load case(s) 1, 2, 3, 4, 5, 6 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 5) CAUTION, Do not erect truss backwards.
- 6) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
- 7) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural
- 8) Web bracing shown is for lateral support of individual web members only. Refer to BCSI Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.

 9) SEE BCSI-B3 SUMMARY SHFFT- PERMANENT PESTRAINO/PRACTICE CONTROLLED
- 9) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS

LOAD CASE(S) Standard

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf)

Vert: 10-20=-7, 1-9=-67

Continued on page 2

4/24/2025

POFESS/

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0002 CAMPBELL RIDGE 102 ALDEN WAY	' ANGIER, NC
25-3559-F01	F1-29	Floor	1	1	Job Reference (optional)	# 58837

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LOAD CASE(S) Standard

Concentrated Loads (lb) Vert: 6=-735

2) Dead: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 10-20=-7, 1-9=-67

Concentrated Loads (lb)

Vert: 6=-735

3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 10-20=-7, 1-7=-67, 7-9=-13

Concentrated Loads (lb)

Vert: 6=-735

4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 10-20=-7, 1-7=-13, 7-9=-67

Concentrated Loads (lb)

Vert: 6=-735

5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 10-20=-7, 1-7=-67, 7-9=-13

Concentrated Loads (lb)

Vert: 6=-735

6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 10-20=-7, 1-7=-13, 7-9=-67

Concentrated Loads (lb) Vert: 6=-735



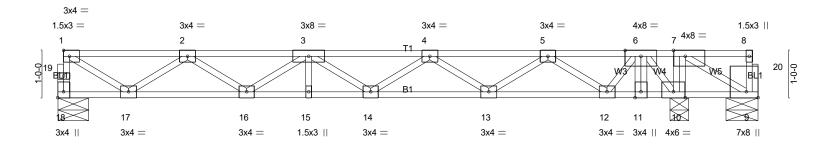
Job	Truss	Truss Type	Qty	Ply	LOT 0.0002 CAMPBELL RIDGE 102 ALDEN WAY ANGIER, NC
25-3559-F01	F1-30	Floor	2	1	Job Reference (optional) # 58837

8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 22:21:16 2025 Page 1 ID:5fxLxLn?C6dWjia?SHK4thzkcYl-Z9xMh2UlqQrvrtD?SnjgRLGhZ7TPh4s6lXWA?nzNNxX

Structural wood sheathing directly applied or 6-0-0 oc purlins, except

0-1-8 1-3-0 ΗН





13-0-6 12-9-0 12₇5₇10 13₇1₇14 0-1-8 0-3-6 0-3-6 0-1-8 -4- ()()()

Plate Offsets (X,Y)	Plate Offsets (X,Y) [7:0-3-0,Edge], [9:Edge,0-3-0], [18:Edge,0-1-8]						
LOADING (psf)	SPACING- 1-4-0	CSI.	DEFL. in (loc) I/defl L/d	PLATES GRIP			
TCLL 40.0	Plate Grip DOL 1.00	TC 0.44	Vert(LL) -0.05 15 >999 480	MT20 244/190			
TCDL 10.0	Lumber DOL 1.00	BC 0.29	Vert(CT) -0.08 14 >999 360				
BCLL 0.0	Rep Stress Incr NO	WB 0.82	Horz(CT) 0.01 10 n/a n/a				
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH		Weight: 78 lb FT = 20%F, 11%E			

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

BOT CHORD 2x4 SP No.1(flat)

2x4 SP No.3(flat) WFBS

BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

end verticals

BRACING-

TOP CHORD

REACTIONS. (lb/size) 18=415/0-7-14 (min. 0-1-8), 9=-834/0-8-0 (min. 0-1-8), 10=2215/0-4-8 (min. 0-1-8) Max Uplift9=-871(LC 3)

Max Grav 18=415(LC 3), 10=2215(LC 1)

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

TOP CHORD 18-19=-411/0, 1-19=-410/0, 1-2=-542/0, 2-3=-1204/0, 3-4=-1313/0, 4-5=-890/0,

6-7=0/1504

BOT CHORD 16-17=0/1010, 15-16=0/1383, 14-15=0/1383, 13-14=0/1224, 12-13=0/535, 11-12=-412/59,

10-11=-412/59, 9-10=-1504/0

WEBS 7-10=-980/0, 7-9=0/1728, 1-17=0/616, 2-17=-572/0, 4-13=-408/0, 5-13=0/434,

5-12=-710/0, 6-12=0/573, 6-10=-1608/0

NOTES-

- 1) Unbalanced floor live loads have been considered for this design.
- 2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=871.
- 3) Load case(s) 1, 2, 3, 4, 5, 6 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 5) CAUTION, Do not erect truss backwards.
- 6) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
- 7) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural
- 8) Web bracing shown is for lateral support of individual web members only. Refer to BCSI Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.

 9) SEE BCSI-B3 SUMMARY SHFET- PERMANENT PESTRAING/PRACTICE CONTROLLED TO SHARE THE PESTRAING PEST 9) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED
- MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS

LOAD CASE(S) Standard

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf)

Vert: 9-18=-7, 1-8=-67

Continued on page 2



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Job	Truss	Truss Type	Qty	Ply	LOT 0.0002 CAMPBELL RIDGE 102 ALDEN WAY A	NGIER, NC
25-3559-F01	F1-30	Floor	2	1	Job Reference (optional)	# <i>58837</i>

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LOAD CASE(S) Standard

Concentrated Loads (lb) Vert: 6=-735

2) Dead: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 9-18=-7, 1-8=-67

Concentrated Loads (lb)

Vert: 6=-735

3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 9-18=-7, 1-7=-67, 7-8=-13

Concentrated Loads (lb)

Vert: 6=-735

4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 9-18=-7, 1-7=-13, 7-8=-67

Concentrated Loads (lb)

Vert: 6=-735

5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 9-18=-7, 1-7=-67, 7-8=-13

Concentrated Loads (lb)

Vert: 6=-735

6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf) Vert: 9-18=-7, 1-7=-13, 7-8=-67

Concentrated Loads (lb)

Vert: 6=-735



Job	Truss	Truss Type	Qty	Ply	LOT 0.0002 CAMPBELL RIDGE 102 ALDEN WAY ANGIER, NC
25-3559-F01	F1-31	Floor	1	1	Job Reference (optional) # 58837

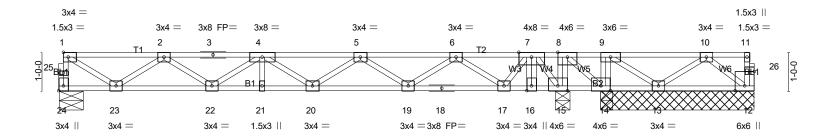
8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 22:21:16 2025 Page 1 ID:5fxLxLn?C6dWjia?SHK4thzkcYl-Z9xMh2UlqQrvrtD?SnjgRLGhq7Tgh7P6lXWA?nzNNxX

Structural wood sheathing directly applied or 6-0-0 oc purlins, except

0-1-8 1-3-0 $H \vdash$

0-7-2 0-6-12 0-10-8

1-0-0 0₇1-8 Scale = 1:30.1



13-8-10 13-016-3-12 12-9-0 13-3-6 14-3-6 14-1-14 -14 0-1-8 12₇5-1013-1-14 14 0-1-80-3-6 0-4-14 3-10-8 0-3-60-1-8 0-1-8

Plate Offsets (X,Y)	[24:Edge,0-1-8], [26:0-1-8,0-0-8]			
LOADING (psf)	SPACING- 1-4-0	CSI.	DEFL . in (loc) I/defl L/d	PLATES GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.42	Vert(LL) -0.05 21 >999 480	MT20 244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.27	Vert(CT) -0.08 20 >999 360	
BCLL 0.0	Rep Stress Incr NO	WB 0.60	Horz(CT) 0.01 15 n/a n/a	
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH	, ,	Weight: 96 lb FT = 20%F, 11%E

LUMBER-**BRACING-**TOP CHORD

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

BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

end verticals.

REACTIONS. All bearings 4-0-0 except (jt=length) 24=0-7-14, 15=0-4-8.

(lb) - Max Uplift All uplift 100 lb or less at joint(s) 12 except 14=-517(LC 3), 14=-401(LC 1), 13=-129(LC 3) Max Grav All reactions 250 lb or less at joint(s) 13, 12 except 24=401(LC 1), 15=2117(LC 1)

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

24-25=-397/0, 1-25=-396/0, 1-2=-520/0, 2-3=-1142/0, 3-4=-1142/0, 4-5=-1209/0, TOP CHORD

5-6=-746/0, 7-8=0/1716, 8-9=0/728, 9-10=0/310

BOT CHORD 22-23=0/968, 21-22=0/1300, 20-21=0/1300, 19-20=0/1100, 18-19=0/371, 17-18=0/371,

16-17=-605/0, 15-16=-605/0, 14-15=-1716/0, 13-14=-728/0

9-14=-398/0, 8-15=-835/0, 8-14=0/1252, 9-13=0/513, 10-13=-328/0, 1-23=0/591, WEBS 2-23=-547/0, 5-19=-432/0, 6-19=0/459, 6-17=-733/0, 7-17=0/591, 7-15=-1634/0

NOTES-

- 1) Unbalanced floor live loads have been considered for this design.
- 2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12 except (jt=lb) 14=517, 13=129.
- 3) Load case(s) 1, 2, 3, 4, 5, 6 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- 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.
- CAUTION. Do not erect truss backwards.
- 6) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
- uesign of the truss to support the loads indicated.

 8) Web bracing shown is for lateral support of individual web members only. Refer to BCSI Guide to Good Practice for Handling, Installing Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing

 9) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/RPACING OF COLORS (INC.)
- 9) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS

LOAD CASE(S) Standard

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf)

Vert: 12-24=-7, 1-11=-67

Continued on page 2

4/24/2025

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MORPH INTERIOR TO SERVICE TO SERV 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 0.0002 CAMPBELL RIDGE 102 ALDEN WAY	ANGIER, NC
25-3559-F01	F1-31	Floor	1		Job Reference (optional)	# 58837

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LOAD CASE(S) Standard Concentrated Loads (lb)

Vert: 7=-735

2) Dead: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 12-24=-7, 1-11=-67

Concentrated Loads (lb)

Vert: 7=-735

3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 12-24=-7, 1-8=-67, 8-11=-13

Concentrated Loads (lb)

Vert: 7=-735

4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 12-24=-7, 1-8=-13, 8-11=-67

Concentrated Loads (lb)

Vert: 7=-735

5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 12-24=-7, 1-8=-67, 8-11=-13

Concentrated Loads (lb)

Vert: 7=-735

6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 12-24=-7, 1-8=-13, 8-11=-67

Concentrated Loads (lb)

Vert: 7=-735



Job	Truss	Truss Type	Qty	Ply	LOT 0.0002 CAMPBELL RIDGE 102 ALDEN WAY ANGIER, NC
25-3559-F01	F1-32	Floor	5	1	Job Reference (optional) # 58837

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0-1-8 1-3-0 $H \vdash$

0-7-2 0-6-12

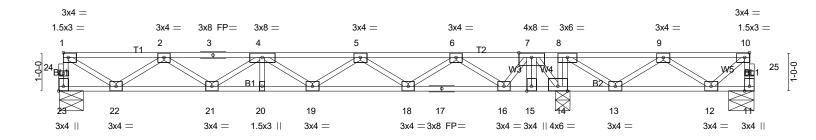
13-0-6

end verticals

Structural wood sheathing directly applied or 6-0-0 oc purlins, except

Rigid ceiling directly applied or 6-0-0 oc bracing.

0-10-8 0₇1₇8 Scale = 1:30.1



12-9-0 12-5-10-13-1-14 0-1-80-3-6 0-3-60-1-8 Plate Offsets (X,Y)-- [10:0-1-8,Edge], [23:Edge,0-1-8] LOADING (psf) SPACING-CSI. **DEFL** I/defl L/d **PLATES GRIP** (loc) TCLL Ÿ0.Ó Plate Grip DOL 1.00 0.49 Vert(LL) -0.05 2Ó >999 480 MT20 244/190 TC TCDL 10.0 Lumber DOL 1.00 ВС 0.29 Vert(CT) -0.08 19 >999 360 **BCLL** 0.0 Rep Stress Incr NO WB 0.37 Horz(CT) 0.01 14 n/a n/a **BCDL** 5.0 Code IRC2021/TPI2014 Matrix-SH Weight: 94 lb FT = 20%F, 11%E

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x4 SP No.1(flat)

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

REACTIONS. (lb/size) 23=407/0-7-14 (min. 0-1-8), 11=-125/0-8-0 (min. 0-1-8), 14=1757/0-4-8 (min. 0-1-8)

Max Uplift11=-244(LC 3) Max Grav 23=410(LC 3), 11=30(LC 4), 14=1757(LC 1)

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

TOP CHORD 23-24=-407/0, 1-24=-406/0, 1-2=-535/0, 2-3=-1185/0, 3-4=-1185/0, 4-5=-1281/0,

5-6=-846/0, 7-8=0/1598, 8-9=0/1106, 9-10=0/289

BOT CHORD 21-22=0/997, 20-21=0/1358, 19-20=0/1358, 18-19=0/1186, 17-18=0/484, 16-17=0/484,

15-16=-512/0, 14-15=-512/0, 13-14=-1598/0, 12-13=-675/0

WEBS 8-14=-530/0, 8-13=0/694, 9-13=-651/0, 9-12=0/471, 10-12=-372/0, 1-22=0/608, 2-22=-564/0, 5-18=-420/0, 6-18=0/446, 6-16=-725/0, 7-16=0/581, 7-14=-1638/0

NOTES-

1) Unbalanced floor live loads have been considered for this design.

- 2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (it=lb) 11=244.
- 3) Load case(s) 1, 2, 3, 4, 5, 6 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 5) CAUTION. Do not erect truss backwards
- 6) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
- 7) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural
- uesign or the truss to support the loads indicated.

 8) Web bracing shown is for lateral support of individual web members only. Refer to BCSI Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
- 9) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS

LOAD CASE(S) Standard

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf)

Vert: 11-23=-7, 1-10=-67

Continued on page 2

4/24/2025

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MORPH INTERIOR TO SERVICE TO SERV 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 0.0002 CAMPBELL RIDGE 102 ALDEN WAY	ANGIER, NC
25-3559-F01	F1-32	Floor	5		Job Reference (optional)	# 58837

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LOAD CASE(S) Standard Concentrated Loads (lb)

Vert: 7=-735

2) Dead: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 11-23=-7, 1-10=-67

Concentrated Loads (lb)

Vert: 7=-735

3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 11-23=-7, 1-8=-67, 8-10=-13

Concentrated Loads (lb)

Vert: 7=-735

4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 11-23=-7, 1-8=-13, 8-10=-67

Concentrated Loads (lb)

Vert: 7=-735

5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 11-23=-7, 1-8=-67, 8-10=-13

Concentrated Loads (lb)

Vert: 7=-735

6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 11-23=-7, 1-8=-13, 8-10=-67

Concentrated Loads (lb)

Vert: 7=-735

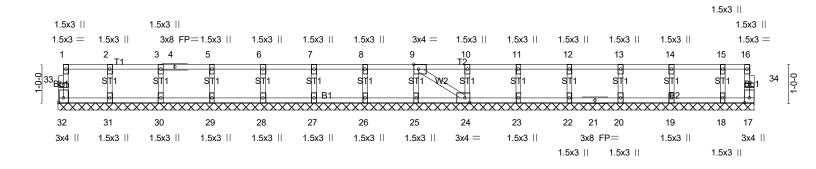


Job	Truss	Truss Type	Qty	Ply	LOT 0.0002 CAMPBELL RIDGE 102 ALDEN WAY ANGIER, NC	
25-3559-F01	F1-33	Floor Supported Gable	1	1	Job Reference (optional) # 58837	

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0-1-8 0-1-8

Scale = 1:30.1



18-1-14 Plate Offsets (X,Y) [9:0-1-8,Edge], [24:0-1-8,Edge], [32:Edge,0-1-8]						
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.06 BC 0.01 WB 0.03 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 17 n/a n/a	PLATES GRIP MT20 244/190 Weight: 74 lb FT = 20%F, 11%E		

18-1-14

LUMBER-BRACING-TOP CHORD 2x4 SP No.1(flat)

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

2x4 SP No.3(flat)

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 18-1-14.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 32, 17, 31, 30, 29, 28, 27, 26, 25, 24, 23, 22, 20, 19, 18

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

NOTES-(5-8)

OTHERS

- 1) Gable requires continuous bottom chord bearing.
- 2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 3) Gable studs spaced at 1-4-0 oc.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 5) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
- 6) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
- 7) Web bracing shown is for lateral support of individual web members only. Refer to BCSI Guide to Good Practice for Handling, Installing,
- Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.

 8) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard



4/24/2025