Mark Morris, P.E.

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Mark Morris

Digitally signed by Mark Morris
Date: 2025-03-25 06:05:41

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 #: 57915
JOB: 25-2455-F01
JOB NAME: LOT 0.0027 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.
23 Truss Design(s)

Trusses:
F101, F102, F103, F103A, F103B, F104, F105, F106, F107, F108, F109, F110, F111, F111A, F112, F114, F115, F115A, F115B, F115C, F115D, F116, F117

3/24/2025
Mark Morris
My license renewal date for the state of North Carolina is 12/31/2025

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

This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 Guide to *Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI

Job	Truss	Truss Type	Qty	Ply	LOT 0.0027 CAMPBELL RIDGE | 49 ALDEN WAY ANGIER, NC
25-2455-F01	F101	Floor Supported Gable	1	1	Job Reference (optional) **# 57915**

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0-1-8

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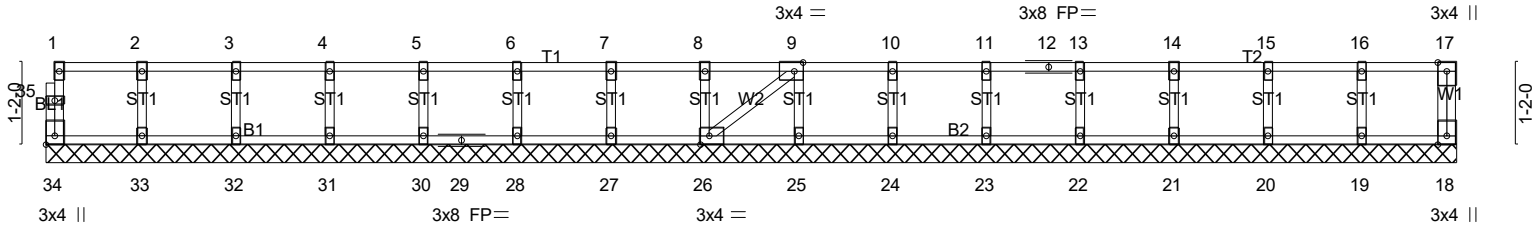

20-0-6
20-0-6

Plate Offsets (X,Y)-- [9:0-1-8,Edge], [26:0-1-8,Edge], [34: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	0.05	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	18	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 86 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 20-0-6.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 18, 34, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 31, 32, 33

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

3/24/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0027 CAMPBELL RIDGE | 49 ALDEN WAY ANGIER, NC
25-2455-F01	F102	Floor	7	1	# 57915
					Job Reference (optional)

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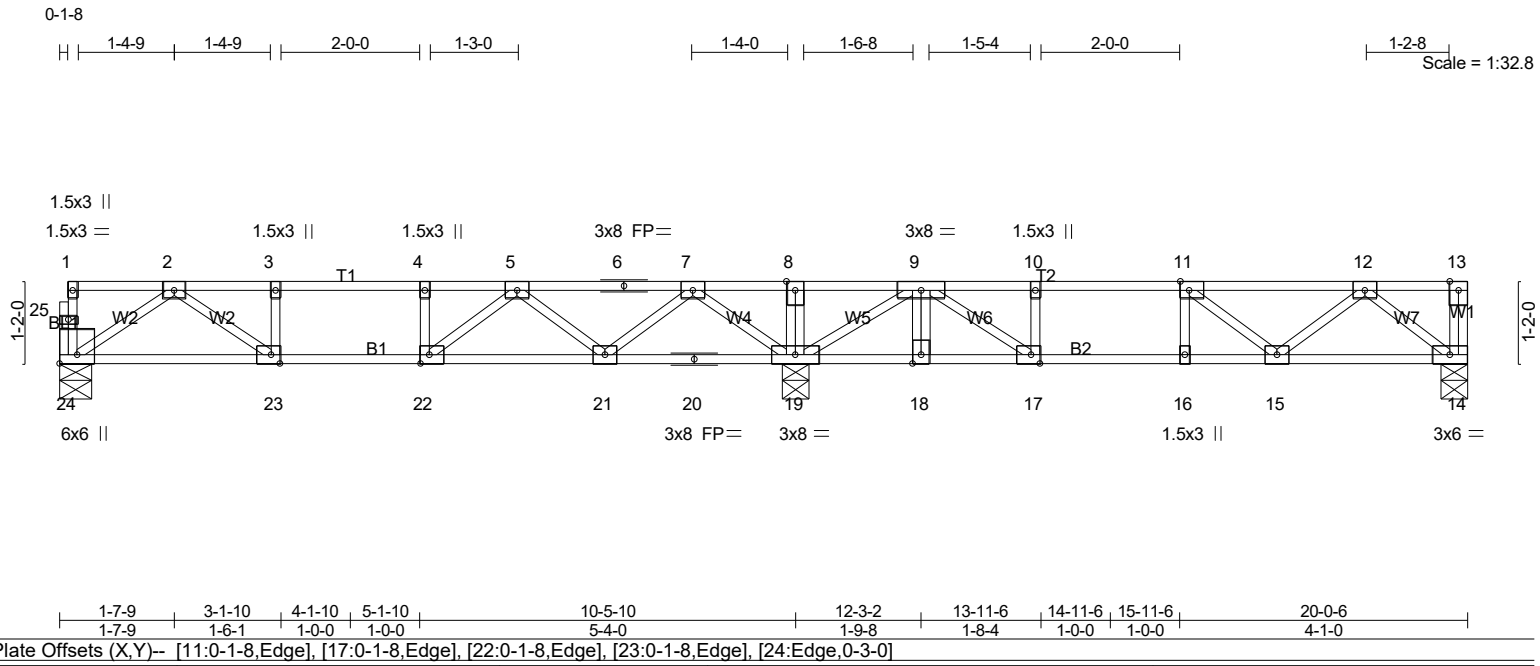

Plate Offsets (X,Y)-- [11:0-1-8,Edge], [17:0-1-8,Edge], [22:0-1-8,Edge], [23:0-1-8,Edge], [24:Edge,0-3-0]

LOADING (psf)		SPACING-	1-7-3	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.33	Vert(LL)	-0.06	15-16	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.28	Vert(CT)	-0.05	16	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.49	Horz(CT)	0.01	14	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 102 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=336/0-5-6 (min. 0-1-8), 14=425/0-4-8 (min. 0-1-8), 19=1694/0-4-8 (min. 0-1-8)
Max Grav 24=352(LC 10), 14=466(LC 4), 19=1694(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-668/8, 3-4=-668/8, 4-5=-668/8, 5-6=-124/340, 6-7=-124/340, 7-8=0/1220, 8-9=0/1221, 9-10=-1158/0, 10-11=-1158/0, 11-12=-848/0
BOT CHORD 23-24=0/425, 22-23=-8/668, 21-22=-177/489, 20-21=-507/0, 19-20=-507/0, 18-19=0/955, 17-18=0/955, 16-17=0/1158, 15-16=0/1158, 14-15=0/544
WEBS 5-22=0/394, 5-21=-528/0, 7-21=0/540, 7-19=-877/0, 11-15=-396/0, 12-15=0/396, 12-14=-690/0, 9-19=-2022/0, 9-17=0/397, 2-24=-513/0, 2-23=-55/300

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
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 14-24=-8, 1-13=-80
Concentrated Loads (lb)
Vert: 9=-720

3/24/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0027 CAMPBELL RIDGE | 49 ALDEN WAY ANGIER, NC
25-2455-F01	F103	FLOOR	3	1	Job Reference (optional) **# 57915**

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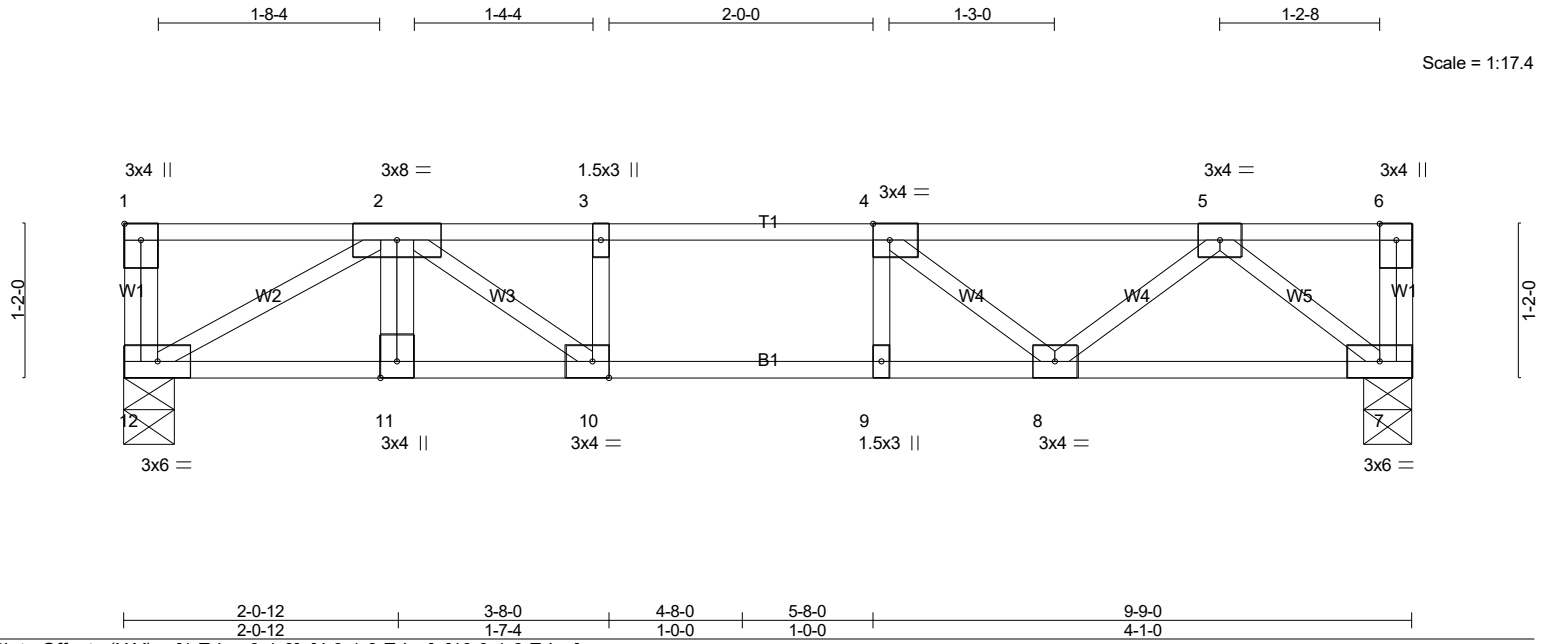

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [4:0-1-8,Edge], [10:0-1-8,Edge]

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	0.48	Vert(LL)	-0.05	9	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.75	Vert(CT)	-0.13	10-11	>905	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.47	Horz(CT)	0.02	7	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 52 lb	FT = 20%F, 11%E

LUMBER-
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=992/0-4-8 (min. 0-1-8), 7=564/0-4-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1619/0, 3-4=-1619/0, 4-5=-1095/0
BOT CHORD 11-12=0/1710, 10-11=0/1711, 9-10=0/1619, 8-9=0/1619, 7-8=0/651
WEBS 4-8=-703/0, 5-8=0/578, 5-7=-826/0, 2-10=-290/0, 2-12=-1944/0

NOTES- (4-5)
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.
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: 7-12=-8, 1-6=-80
Concentrated Loads (lb)
Vert: 2=-720

3/24/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0027 CAMPBELL RIDGE | 49 ALDEN WAY ANGIER, NC
25-2455-F01	F103A	Floor	1	1	Job Reference (optional) **# 57915**

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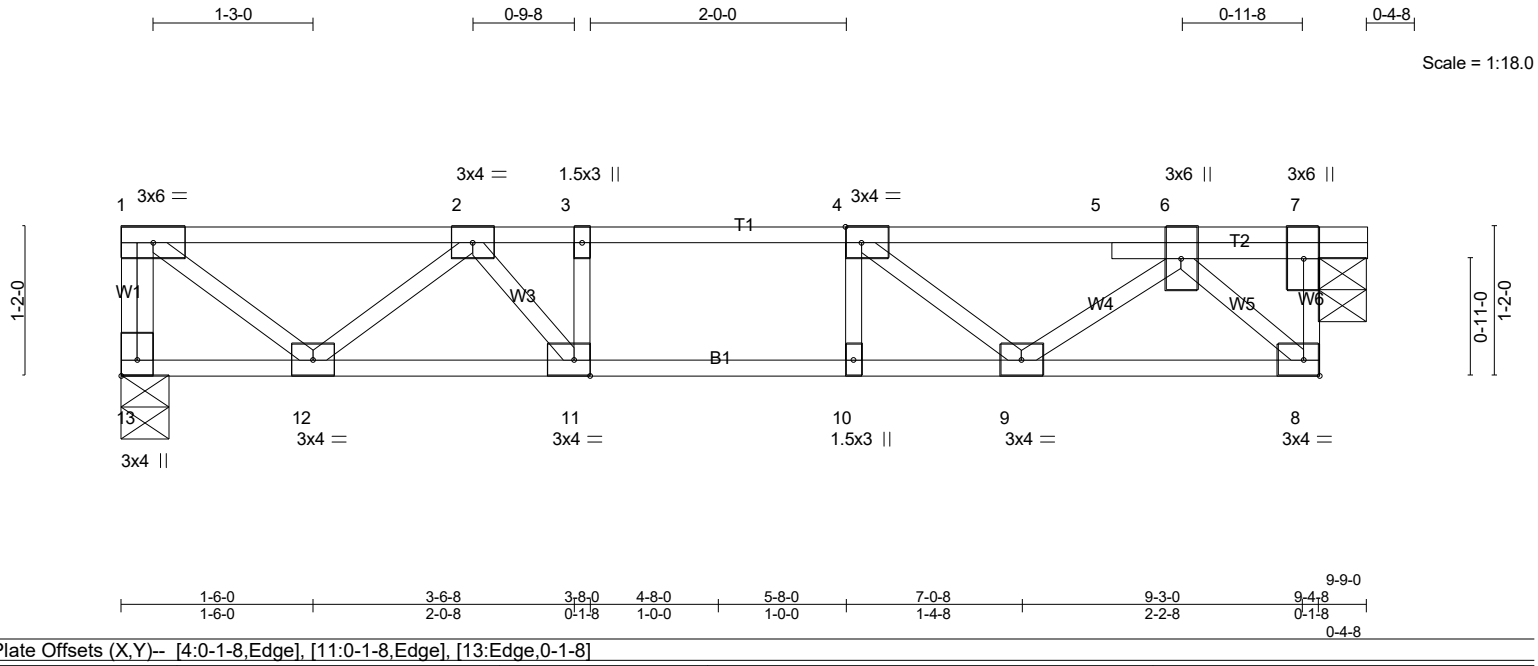

Plate Offsets (X,Y)-- [4:0-1-8,Edge], [11:0-1-8,Edge], [13:Edge,0-1-8]

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)	-0.03	10	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.26	Vert(CT)	-0.04	10	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.25	Horz(CT)	-0.01	7	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 51 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) 13=404/0-4-8 (min. 0-1-8), 7=404/0-4-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-13=-397/0, 7-8=0/389, 1-2=-410/0, 2-3=-865/0, 3-4=-865/0, 4-5=-649/0, 5-6=-658/0
BOT CHORD 11-12=0/773, 10-11=0/865, 9-10=0/865, 8-9=0/398
WEBS 1-12=0/515, 2-12=-472/0, 2-11=0/291, 4-9=-312/0, 6-9=0/319, 6-8=-552/0

NOTES- (5-6)
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) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
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

3/24/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0027 CAMPBELL RIDGE | 49 ALDEN WAY ANGIER, NC
25-2455-F01	F103B	Floor	1	1	# 57915
					Job Reference (optional)

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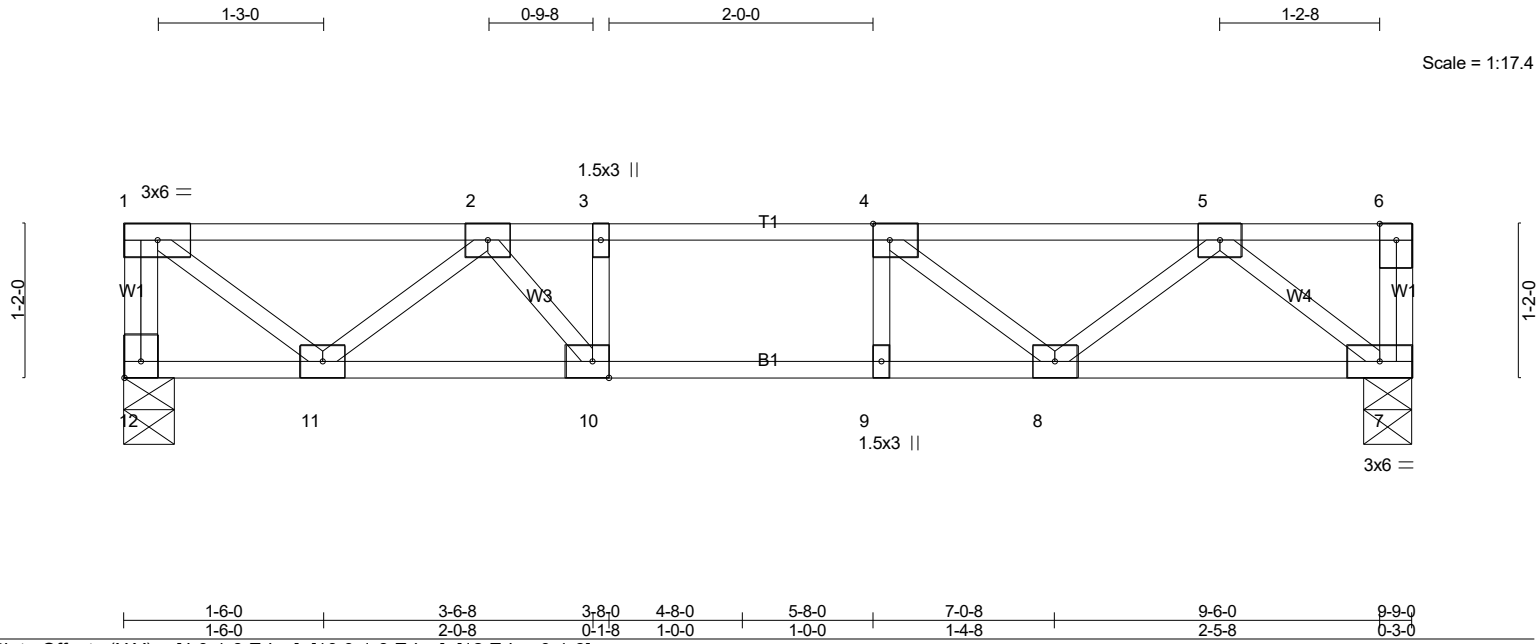

Plate Offsets (X,Y)-- [4:0-1-8,Edge], [10:0-1-8,Edge], [12:Edge,0-1-8]

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)	-0.04	9	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.32	Vert(CT)	-0.05	9	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.25	Horz(CT)	0.01	7	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 50 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=418/0-4-8 (min. 0-1-8), 7=418/0-4-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-12=-409/0, 1-2=-425/0, 2-3=-928/0, 3-4=-928/0, 4-5=-727/0
BOT CHORD 10-11=0/811, 9-10=0/928, 8-9=0/928, 7-8=0/492
WEBS 1-11=0/533, 2-11=-502/0, 2-10=0/327, 4-8=-288/0, 5-8=0/306, 5-7=-624/0

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

3/24/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0027 CAMPBELL RIDGE | 49 ALDEN WAY ANGIER, NC
25-2455-F01	F104	FLOOR SUPPORTED GABL	1	1	Job Reference (optional) **# 57915**

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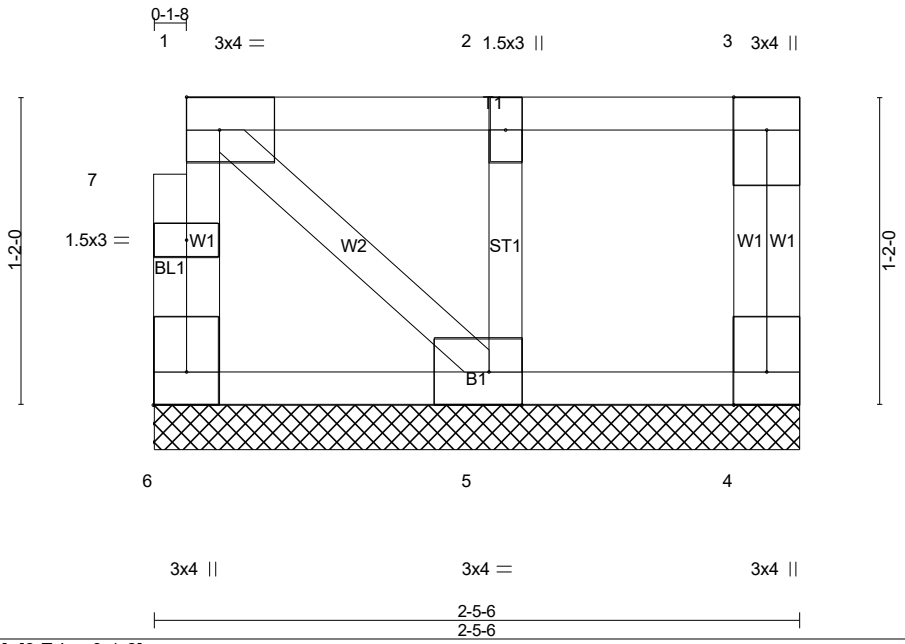

Plate Offsets (X,Y)-- [5:0-1-8,Edge], [6:Edge,0-1-8]

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	0.04	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	0.02	Horz(CT)	0.00	4	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-P							Weight: 16 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 2-5-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 6=38/2-5-6 (min. 0-1-8), 4=31/2-5-6 (min. 0-1-8), 5=119/2-5-6 (min. 0-1-8)

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

NOTES- (6-7)
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.
6) 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.
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.

LOAD CASE(S) Standard

3/24/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0027 CAMPBELL RIDGE | 49 ALDEN WAY ANGIER, NC
25-2455-F01	F105	Floor	4	1	Job Reference (optional) **# 57915**

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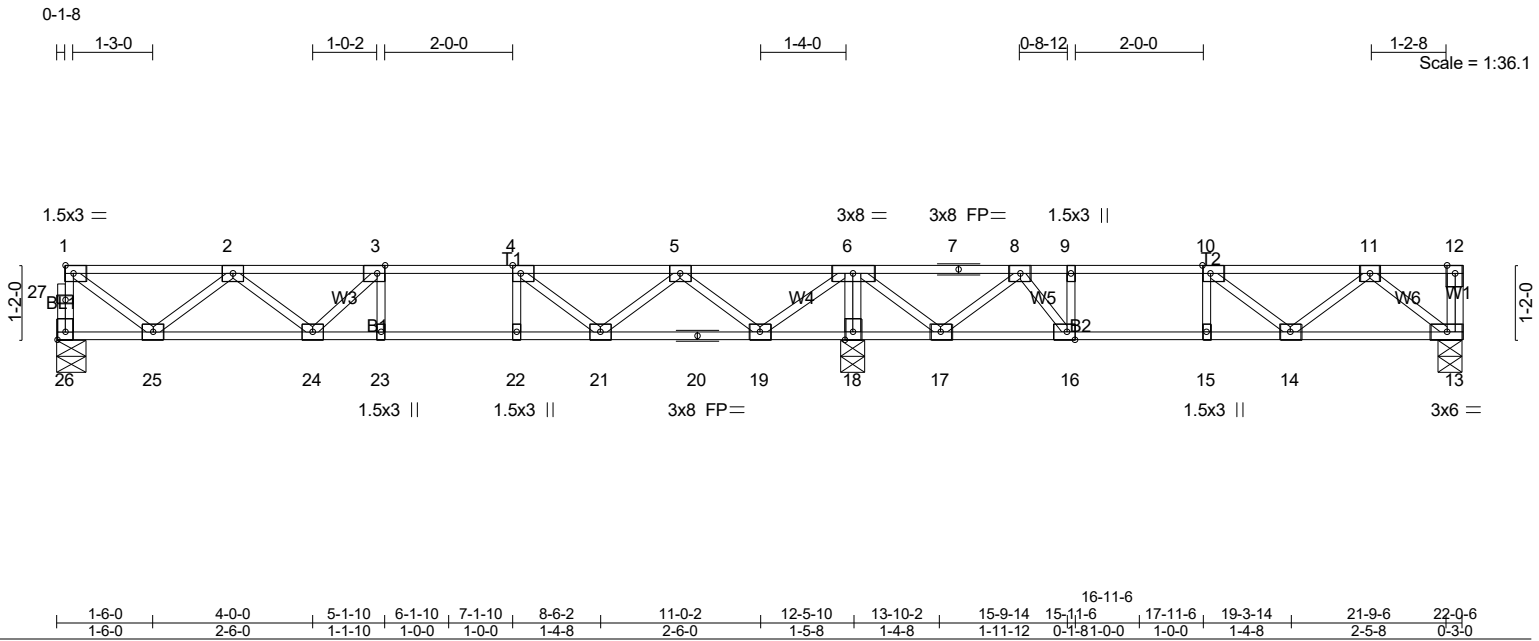

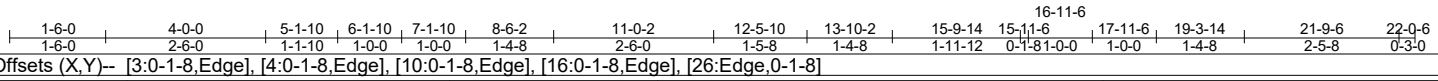

Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [10:0-1-8,Edge], [16:0-1-8,Edge], [26:Edge,0-1-8]

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	0.36	Vert(LL)	-0.07	23	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.45	Vert(CT)	-0.09	23	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.39	Horz(CT)	0.02	13	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 110 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) 26=488/0-5-6 (min. 0-1-8), 18=1073/0-4-8 (min. 0-1-8), 13=349/0-4-8 (min. 0-1-8)
Max Grav 26=501(LC 10), 18=1073(LC 1), 13=388(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 26-27=-497/0, 1-27=-496/0, 1-2=-551/0, 2-3=-1228/0, 3-4=-1369/0, 4-5=-1080/0, 5-6=-253/25, 6-7=-220/324, 7-8=-220/324, 8-9=-792/18, 9-10=-792/18, 10-11=-653/0
BOT CHORD 24-25=0/1028, 23-24=0/1369, 22-23=0/1369, 21-22=0/1369, 20-21=0/796, 19-20=0/796, 18-19=-654/0, 17-18=-657/0, 16-17=-162/625, 15-16=-18/792, 14-15=-18/792, 13-14=0/460
WEBS 9-16=-272/0, 6-18=-1032/0, 1-25=0/665, 2-25=-621/0, 2-24=0/260, 4-21=-440/0, 5-21=0/416, 5-19=-726/0, 6-19=0/817, 6-17=0/565, 8-17=-599/0, 8-16=0/487, 11-14=-11/252, 11-13=-584/0

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

3/24/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0027 CAMPBELL RIDGE | 49 ALDEN WAY ANGIER, NC
25-2455-F01	F106	FLOOR	3	1	Job Reference (optional) **# 57915**

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Tue Mar 25 00:46:42 2025 Page 1
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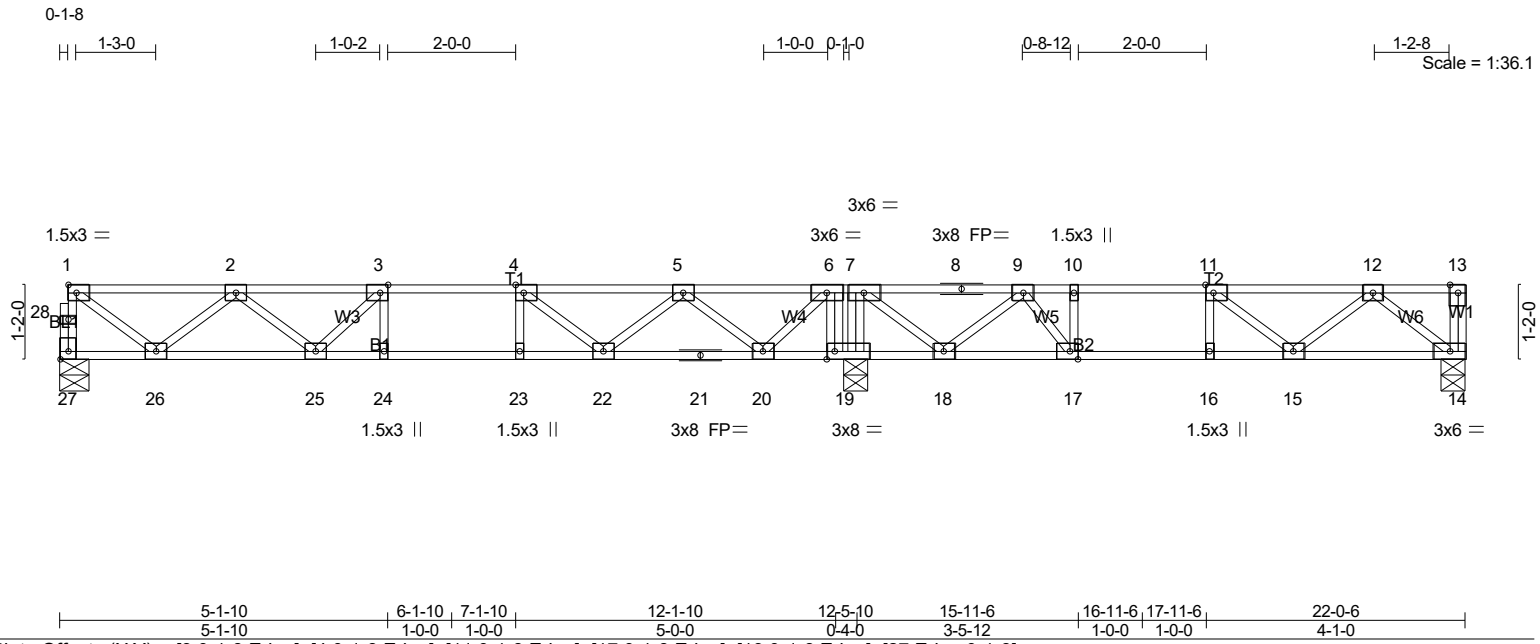

Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [11:0-1-8,Edge], [17:0-1-8,Edge], [19:0-1-8,Edge], [27:Edge,0-1-8]

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	0.35	Vert(LL)	-0.07	24-25	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.46	Vert(CT)	-0.09	24	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.33	Horz(CT)	0.02	14	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 113 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) 27=484/0-5-6 (min. 0-1-8), 19=1715/0-4-8 (min. 0-1-8), 14=352/0-4-8 (min. 0-1-8)
Max Grav 27=498(LC 10), 19=1715(LC 1), 14=388(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 27-28=-494/0, 1-28=-493/0, 1-2=-548/0, 2-3=-1218/0, 3-4=-1355/0, 4-5=-1056/0, 6-7=0/723, 7-8=-224/330, 8-9=-224/330, 9-10=-791/20, 10-11=-791/20, 11-12=-653/0
BOT CHORD 25-26=0/1022, 24-25=0/1355, 23-24=0/1355, 22-23=0/1355, 21-22=0/765, 20-21=0/765, 19-20=-537/0, 18-19=-643/0, 17-18=-155/618, 16-17=-20/791, 15-16=-20/791, 14-15=0/460
WEBS 6-19=-1266/0, 10-17=-261/0, 7-19=-576/0, 1-26=0/661, 2-26=-618/0, 2-25=0/255, 12-15=-11/251, 12-14=-584/0, 4-22=-452/0, 5-22=0/423, 5-20=-724/0, 6-20=0/701, 7-18=0/573, 9-18=-596/0, 9-17=0/472

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
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 14-27=-8, 1-13=-80
Concentrated Loads (lb)
Vert: 6=-640

3/24/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0027 CAMPBELL RIDGE | 49 ALDEN WAY ANGIER, NC
25-2455-F01	F107	FLOOR	2	1	Job Reference (optional) **# 57915**

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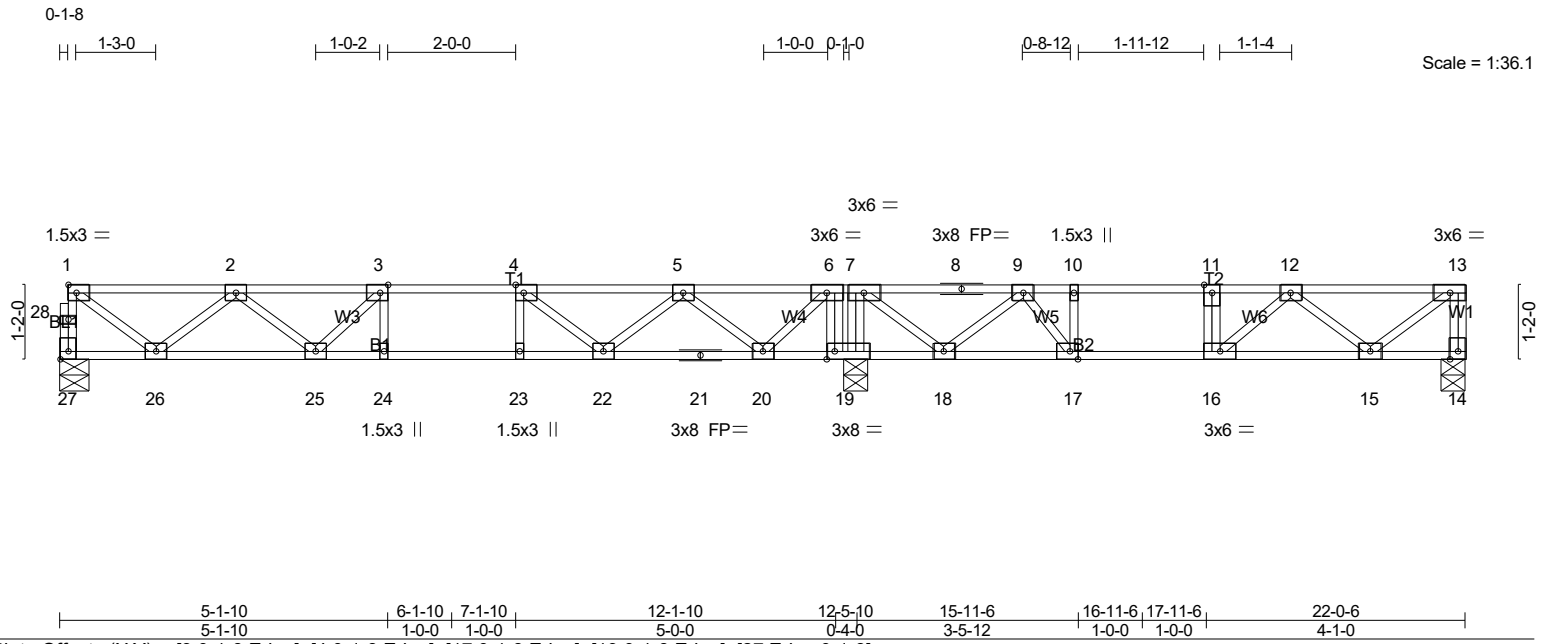

5-1-10	6-1-10	7-1-10	12-1-10	12-5-10	15-11-6	16-11-6	17-11-6	22-0-6
5-1-10	1-0-0	1-0-0	5-0-0	0-4-0	3-5-12	1-0-0	1-0-0	4-1-0

Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [17:0-1-8,Edge], [19:0-1-8,Edge], [27: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	0.70	Vert(LL)	-0.07	24-25	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.58	Vert(CT)	-0.12	15-16	>969	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.37	Horz(CT)	0.02	14	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 114 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, Except: 6-0-0 oc bracing: 19-20,18-19.

REACTIONS. (lb/size) 27=495/0-5-6 (min. 0-1-8), 14=510/0-4-8 (min. 0-1-8), 19=1785/0-4-8 (min. 0-1-8)
Max Grav 27=509(LC 10), 14=546(LC 4), 19=1785(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 27-28=-506/0, 1-28=-505/0, 13-14=-554/0, 1-2=-562/0, 2-3=-1261/0, 3-4=-1421/0, 4-5=-1148/0, 5-6=-354/0, 6-7=0/543, 7-8=-467/56, 8-9=-467/56, 9-10=-1283/0, 10-11=-1283/0, 11-12=-1283/0, 12-13=-621/0
BOT CHORD 25-26=0/1049, 24-25=0/1421, 23-24=0/1421, 22-23=0/1421, 21-22=0/872, 20-21=0/872, 19-20=-362/0, 18-19=-450/0, 17-18=0/973, 16-17=0/1283, 15-16=0/1117
WEBS 6-19=-1225/0, 10-17=-413/0, 7-19=-675/0, 1-26=0/679, 2-26=-634/0, 2-25=0/276, 3-25=-269/0, 13-15=0/779, 12-15=-646/0, 4-22=-409/0, 5-22=0/396, 5-20=-704/0, 6-20=0/675, 7-18=0/690, 9-18=-741/0, 9-17=0/700

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
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 14-27=-8, 1-13=-80
Concentrated Loads (lb)
Vert: 6=-640 11=-240

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0027 CAMPBELL RIDGE | 49 ALDEN WAY ANGIER, NC
25-2455-F01	F108	FLOOR	1	1	Job Reference (optional) **# 57915**

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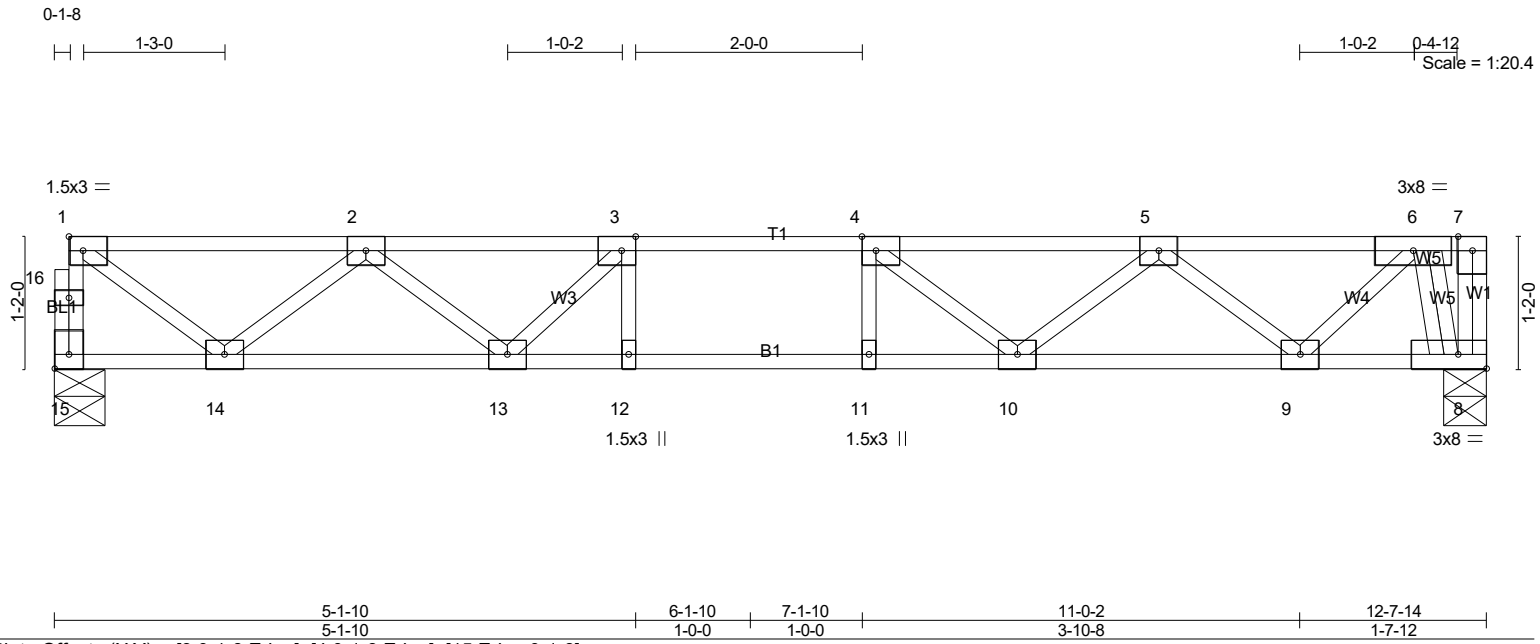

Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [15:Edge,0-1-8]

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	0.30	Vert(LL)	-0.08	10-11	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.58	Vert(CT)	-0.12	10-11	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.36	Horz(CT)	0.02	8	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 66 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=561/0-5-6 (min. 0-1-8), 8=1165/0-4-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 15-16=-559/0, 1-16=-558/0, 1-2=-630/0, 2-3=-1458/0, 3-4=-1720/0, 4-5=-1562/0, 5-6=-896/0
BOT CHORD 13-14=0/1173, 12-13=0/1720, 11-12=0/1720, 10-11=0/1720, 9-10=0/1360, 8-9=0/468
WEBS 1-14=0/761, 2-14=-707/0, 2-13=0/395, 3-13=-463/0, 4-10=-304/0, 5-10=0/281, 5-9=-603/0, 6-9=0/586, 6-8=-1291/0

NOTES- (6-7)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
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 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.
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.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 8-15=-8, 1-7=-80
Concentrated Loads (lb)
Vert: 6=-640
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 8-15=-8, 1-7=-80
Concentrated Loads (lb)
Vert: 6=-640
3) 1st chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 8-15=-8, 1-4=-80, 4-7=-16

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Continued on page 2

LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 6=-640
4) 2nd chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 8-15=-8, 1-3=-16, 3-7=-80
Concentrated Loads (lb)
Vert: 6=-640
5) 3rd chase Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 8-15=-8, 1-4=-80, 4-7=-16
Concentrated Loads (lb)
Vert: 6=-640
6) 4th chase Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 8-15=-8, 1-3=-16, 3-7=-80
Concentrated Loads (lb)
Vert: 6=-640

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0027 CAMPBELL RIDGE | 49 ALDEN WAY ANGIER, NC
25-2455-F01	F109	FLOOR	1	1	Job Reference (optional) **# 57915**

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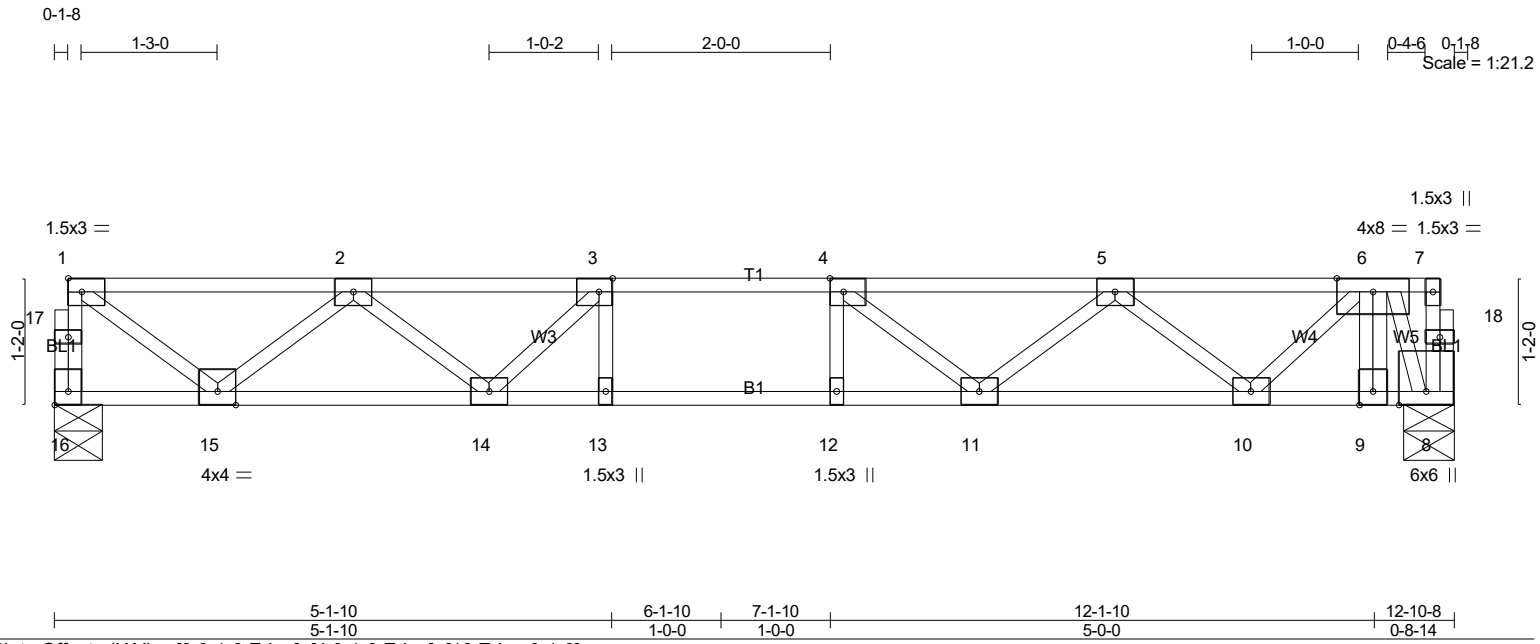

Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [16:Edge,0-1-8]

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	0.41	Vert(LL)	-0.11	11-12	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.78	Vert(CT)	-0.17	11-12	>894	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.47	Horz(CT)	0.03	8	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 68 lb	FT = 20%F, 11%E

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

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

REACTIONS. (lb/size) 16=718/0-5-6 (min. 0-1-8), 8=1298/0-5-6 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 16-17=-715/0, 1-17=-714/0, 1-2=-809/0, 2-3=-1884/0, 3-4=-2244/0, 4-5=-2082/0, 5-6=-1287/0
BOT CHORD 14-15=0/1505, 13-14=0/2244, 12-13=0/2244, 11-12=0/2244, 10-11=0/1853, 9-10=0/747, 8-9=0/747
WEBS 1-15=0/977, 2-15=-907/0, 2-14=0/521, 3-14=-620/0, 4-11=-352/20, 5-11=0/332, 5-10=-737/0, 6-10=0/730, 6-8=-1507/0

NOTES- (6-7)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
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 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.
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.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 8-16=-10, 1-7=-100
Concentrated Loads (lb)
Vert: 6=-640
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 8-16=-10, 1-7=-100
Concentrated Loads (lb)
Vert: 6=-640
3) 1st chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 8-16=-10, 1-4=-100, 4-7=-20

3/24/2025

Continued on page 2

LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 6=-640
4) 2nd chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 8-16=-10, 1-3=-20, 3-7=-100
Concentrated Loads (lb)
Vert: 6=-640
5) 3rd chase Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 8-16=-10, 1-4=-100, 4-7=-20
Concentrated Loads (lb)
Vert: 6=-640
6) 4th chase Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 8-16=-10, 1-3=-20, 3-7=-100
Concentrated Loads (lb)
Vert: 6=-640

3/24/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0027 CAMPBELL RIDGE | 49 ALDEN WAY ANGIER, NC
25-2455-F01	F110	Floor Supported Gable	1	1	# 57915
					Job Reference (optional)

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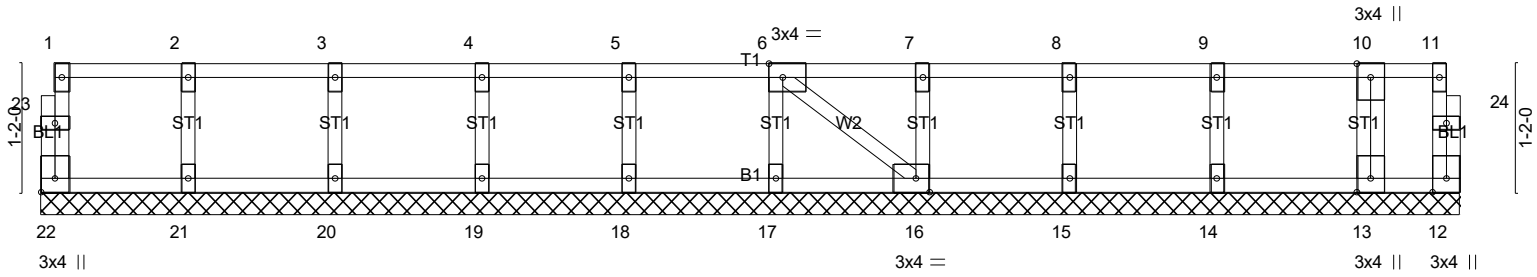

12-10-8
12-10-8

Plate Offsets (X,Y)-- [6:0-1-8,Edge], [16:0-1-8,Edge], [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	0.05	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	0.08	Horz(CT)	0.00	12	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 59 lb	FT = 20%F, 11%E

LUMBER-
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 12-10-8.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 22, 12, 21, 20, 19, 18, 17, 16, 15, 14 except 13=739(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 10-13=-729/0

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) 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.
6) 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.
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
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 12-22=-8, 1-11=-80
Concentrated Loads (lb)
Vert: 10=-640
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 12-22=-8, 1-11=-80
Concentrated Loads (lb)
Vert: 10=-640

3/24/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0027 CAMPBELL RIDGE | 49 ALDEN WAY ANGIER, NC
25-2455-F01	F111	FLOOR	1	1	# 57915
					Job Reference (optional)

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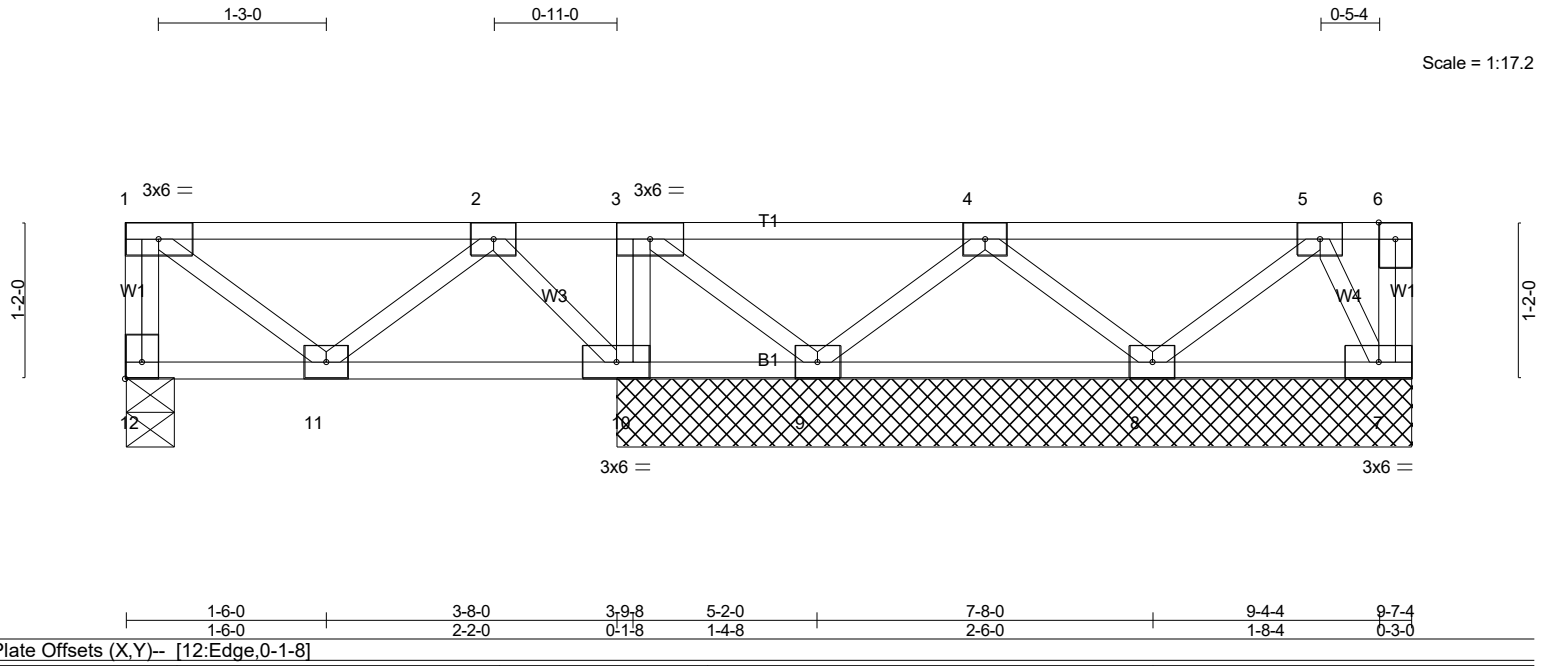

Plate Offsets (X,Y)-- [12:Edge,0-1-8]

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	0.22	Vert(LL)	-0.00	11	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.03	Vert(CT)	-0.00	11	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	7	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 54 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, Except:
6-0-0 oc bracing: 9-10.

REACTIONS. All bearings 5-11-4 except (jt=length) 12=0-4-8.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 12, 7, 9, 8 except 10=513(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-10=-347/0

NOTES- (5-6)
1) All plates are 3x4 MT20 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)
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 7-12=-8, 1-6=-80
Concentrated Loads (lb)
Vert: 3=-240
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 7-12=-8, 1-6=-80
Concentrated Loads (lb)
Vert: 3=-240

3/24/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0027 CAMPBELL RIDGE | 49 ALDEN WAY ANGIER, NC
25-2455-F01	F111A	Floor	1	1	Job Reference (optional) **# 57915**

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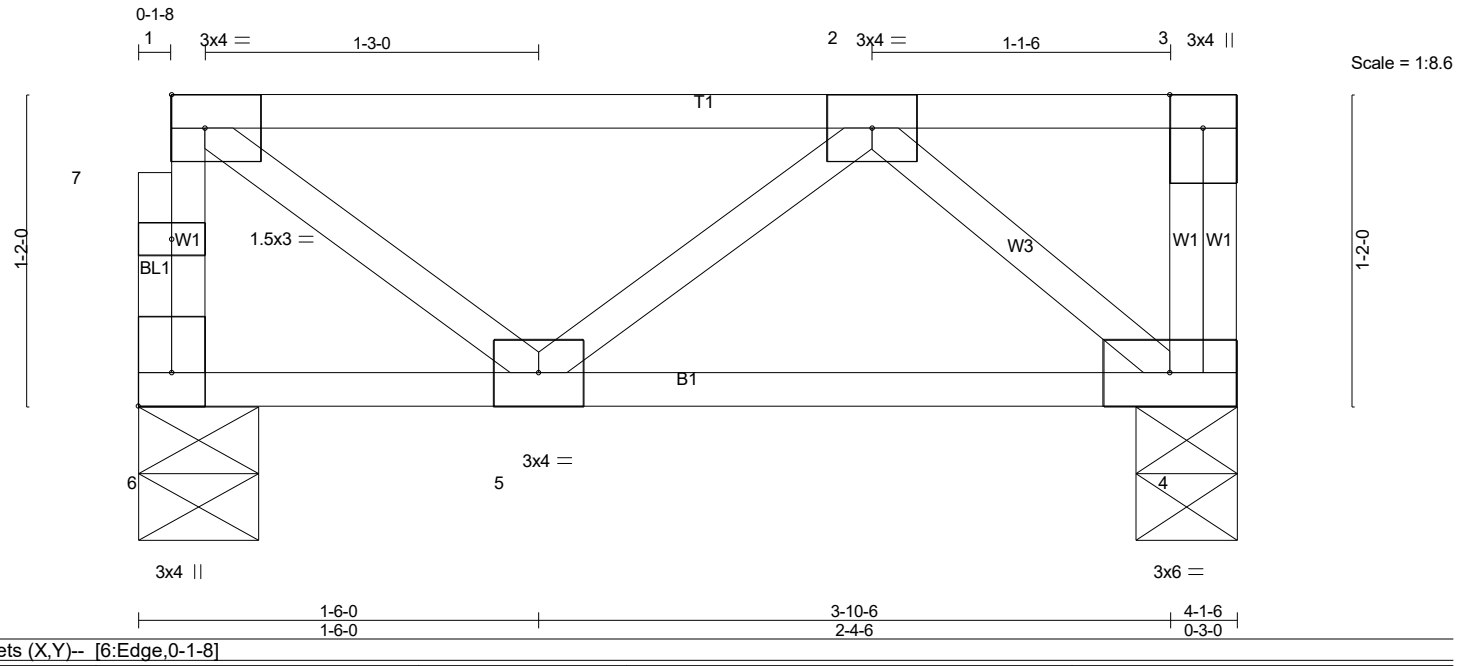

Plate Offsets (X,Y)-- [6:Edge,0-1-8]

LOADING (psf)		SPACING-	1-7-3	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.21	Vert(LL)	-0.00	5	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.05	Vert(CT)	-0.00	4-5	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	4	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-P							Weight: 24 lb	FT = 20%F, 11%E

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-1-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 6=401/0-5-6 (min. 0-1-8), 4=174/0-4-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 6-7=-399/0, 1-7=-398/0

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: 4-6=-8, 1-3=-80
Concentrated Loads (lb)
Vert: 1=-240
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 4-6=-8, 1-3=-80
Concentrated Loads (lb)
Vert: 1=-240

3/24/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0027 CAMPBELL RIDGE | 49 ALDEN WAY ANGIER, NC
25-2455-F01	F112	Floor Supported Gable	1	1	Job Reference (optional) **# 57915**

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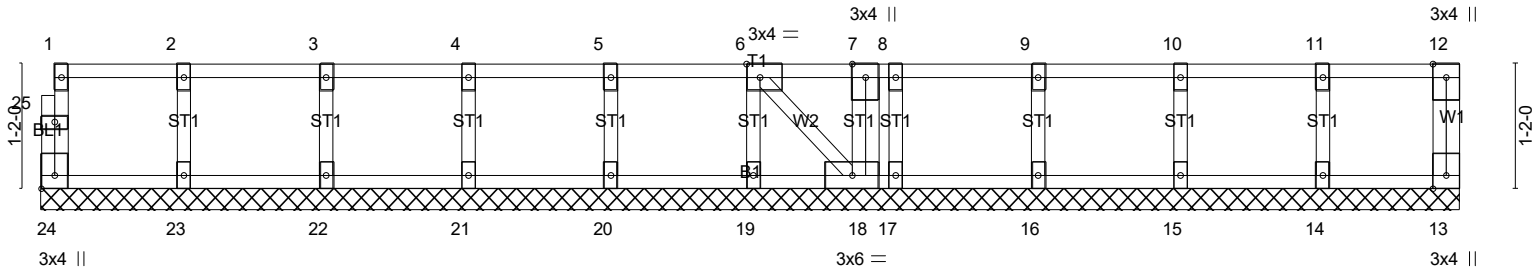

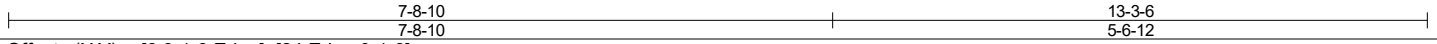

Plate Offsets (X,Y)-- [6:0-1-8,Edge], [24:Edge,0-1-8]

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	0.05	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	0.07	Horz(CT)	0.00	13	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 61 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 13-3-6.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 13, 23, 22, 21, 20, 19, 17, 16, 15, 14 except 24=279(LC 1), 18=654(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 24-25=-275/0, 1-25=-275/0
WEBS 7-18=-635/0

NOTES- (8-9)
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) 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.
6) 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.
7) CAUTION, Do not erect truss backwards.
8) 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.
9) 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: 13-24=-8, 1-12=-80
Concentrated Loads (lb)
Vert: 1=-240 7=-640
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 13-24=-8, 1-12=-80
Concentrated Loads (lb)
Vert: 1=-240 7=-640

3/24/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0027 CAMPBELL RIDGE | 49 ALDEN WAY ANGIER, NC
25-2455-F01	F114	FLOOR SUPPORTED GABL	1	1	Job Reference (optional) **# 57915**

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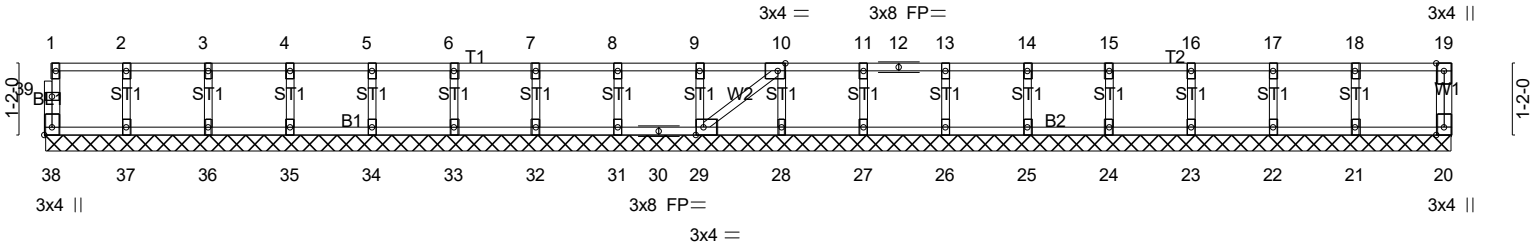

22-10-14
22-10-14

Plate Offsets (X,Y)-- [10:0-1-8,Edge], [29:0-1-8,Edge], [38: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	0.06	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	20	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 97 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 22-10-14.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 38, 20, 37, 36, 35, 34, 33, 32, 31, 29, 28, 27, 26, 25, 24, 23, 22, 21

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

3/24/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0027 CAMPBELL RIDGE | 49 ALDEN WAY ANGIER, NC
25-2455-F01	F115	FLOOR	2	1	Job Reference (optional) **# 57915**

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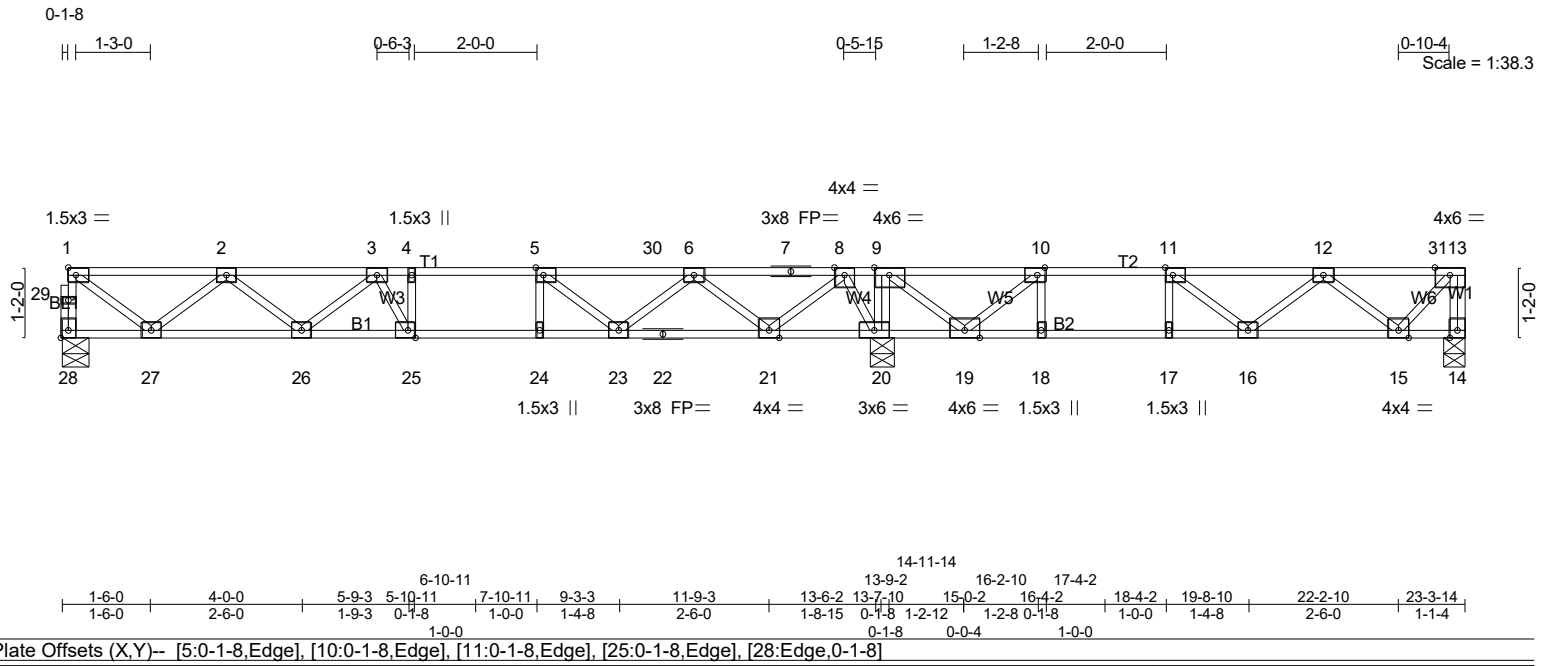


Plate Offsets (X,Y)-- [5:0-1-8,Edge], [10:0-1-8,Edge], [11:0-1-8,Edge], [25:0-1-8,Edge], [28:Edge,0-1-8]

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	0.68	Vert(LL)	-0.09	25-26	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.69	Vert(CT)	-0.19	16-17	>603	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.53	Horz(CT)	0.03	14	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 117 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat) *Except*
B2: 2x4 SP SS(flat)
WEBS 2x4 SP No.3(flat)

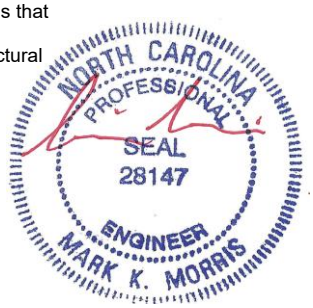
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 20-21,19-20.

REACTIONS. (lb/size) 28=576/0-5-6 (min. 0-1-8), 14=698/0-4-8 (min. 0-1-8), 20=1793/0-4-8 (min. 0-1-8)
Max Grav 28=586(LC 10), 14=748(LC 4), 20=1793(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 28-29=-582/0, 1-29=-581/0, 13-14=-735/0, 1-2=-665/0, 2-3=-1539/0, 3-4=-1878/0, 4-5=-1878/0, 5-30=-1636/0, 6-30=-1636/0, 6-7=-686/0, 7-8=-686/0, 8-9=0/837, 9-10=-604/135, 10-11=-1554/0, 11-12=-1547/0, 12-31=-594/0, 13-31=-594/0
BOT CHORD 26-27=0/1244, 25-26=0/1816, 24-25=0/1878, 23-24=0/1878, 22-23=0/1380, 21-22=0/1380, 20-21=-311/23, 19-20=-837/0, 18-19=0/1554, 17-18=0/1554, 16-17=0/1554, 15-16=0/1361
WEBS 10-18=0/363, 11-17=-320/0, 9-20=-842/0, 1-27=0/804, 2-27=-754/0, 2-26=0/385, 3-26=-360/0, 3-25=-48/344, 5-23=-374/0, 6-23=0/375, 6-21=-940/0, 8-21=0/949, 8-20=-1096/0, 9-19=0/1106, 10-19=-1374/0, 12-15=-998/0, 13-15=0/868

NOTES- (6-7)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14 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 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.
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.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 14-28=-8, 1-30=-80, 30-31=-160, 13-31=-80
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 14-28=-8, 1-30=-80, 30-31=-160, 13-31=-80



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Continued on page 2

LOAD CASE(S) Standard

3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
   Vert: 14-28=-8, 1-30=-80, 9-30=-160, 9-31=-96, 13-31=-16
4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
   Vert: 14-28=-8, 1-30=-16, 9-30=-96, 9-31=-160, 13-31=-80
5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
   Vert: 14-28=-8, 1-30=-80, 9-30=-160, 9-31=-96, 13-31=-16
6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
   Vert: 14-28=-8, 1-30=-16, 9-30=-96, 9-31=-160, 13-31=-80
7) 1st chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
   Vert: 14-28=-8, 1-5=-80, 5-30=-16, 9-30=-96, 9-31=-160, 13-31=-80
8) 2nd chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
   Vert: 14-28=-8, 1-4=-16, 4-30=-80, 30-31=-160, 13-31=-80
9) 3rd chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
   Vert: 14-28=-8, 1-30=-80, 11-30=-160, 11-31=-96, 13-31=-16
10) 4th chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
   Vert: 14-28=-8, 1-30=-80, 9-30=-160, 9-10=-96, 10-31=-160, 13-31=-80
11) 5th chase Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
   Vert: 14-28=-8, 1-5=-80, 5-30=-16, 9-30=-96, 9-31=-160, 13-31=-80
12) 6th chase Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
   Vert: 14-28=-8, 1-4=-16, 4-30=-80, 30-31=-160, 13-31=-80
13) 7th chase Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
   Vert: 14-28=-8, 1-30=-80, 11-30=-160, 11-31=-96, 13-31=-16
14) 8th chase Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
   Vert: 14-28=-8, 1-30=-80, 9-30=-160, 9-10=-96, 10-31=-160, 13-31=-80

3/24/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0027 CAMPBELL RIDGE | 49 ALDEN WAY ANGIER, NC
25-2455-F01	F115A	FLOOR	10	1	Job Reference (optional) **# 57915**

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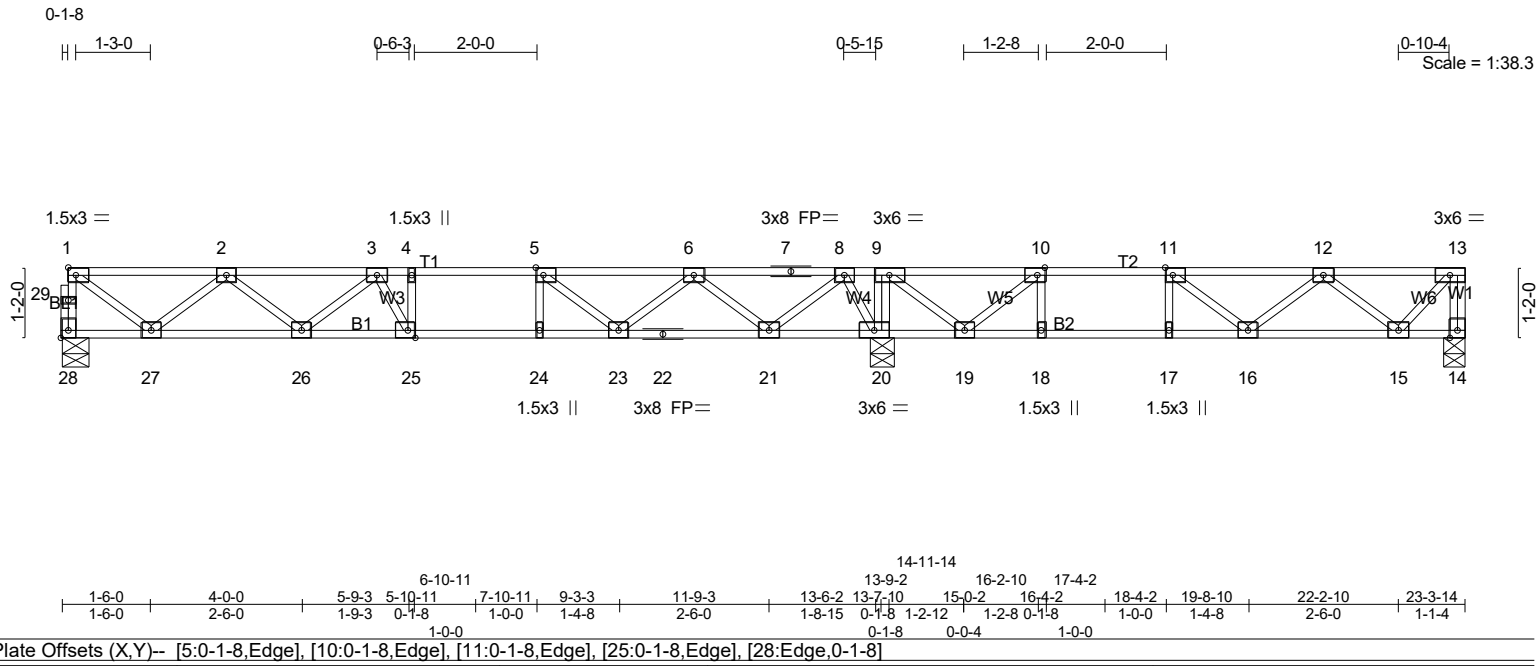


Plate Offsets (X,Y)-- [5:0-1-8,Edge], [10:0-1-8,Edge], [11:0-1-8,Edge], [25:0-1-8,Edge], [28:Edge,0-1-8]

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	0.44	Vert(LL)	-0.09	16-17	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.62	Vert(CT)	-0.12	16-17	>965	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.36	Horz(CT)	0.03	14	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 117 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)

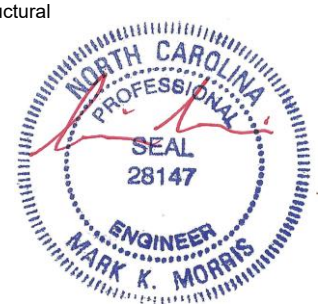
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size) 28=547/0-5-6 (min. 0-1-8), 14=361/0-4-8 (min. 0-1-8), 20=1116/0-4-8 (min. 0-1-8)
Max Grav 28=557(LC 10), 14=409(LC 4), 20=1116(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 28-29=-553/0, 1-29=-552/0, 13-14=-403/0, 1-2=-626/0, 2-3=-1436/0, 3-4=-1692/0, 4-5=-1692/0, 5-6=-1384/0, 6-7=-541/0, 7-8=-541/0, 8-9=0/694, 9-10=-352/379, 10-11=-836/113, 11-12=-826/0, 12-13=-319/0
BOT CHORD 26-27=0/1172, 25-26=0/1669, 24-25=0/1692, 23-24=0/1692, 22-23=0/1083, 21-22=0/1083, 20-21=-322/5, 19-20=-694/0, 18-19=-113/836, 17-18=-113/836, 16-17=-113/836, 15-16=0/720
WEBS 9-20=-452/0, 1-27=0/757, 2-27=-711/0, 2-26=0/344, 3-26=-303/0, 3-25=-134/262, 5-23=-460/0, 6-23=0/435, 6-21=-742/0, 8-21=0/766, 8-20=-794/0, 9-19=0/619, 10-19=-767/0, 12-15=-522/0, 13-15=0/466

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



3/24/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0027 CAMPBELL RIDGE | 49 ALDEN WAY ANGIER, NC
25-2455-F01	F115B	FLOOR	2	1	Job Reference (optional) **# 57915**

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Tue Mar 25 00:46:46 2025 Page 1
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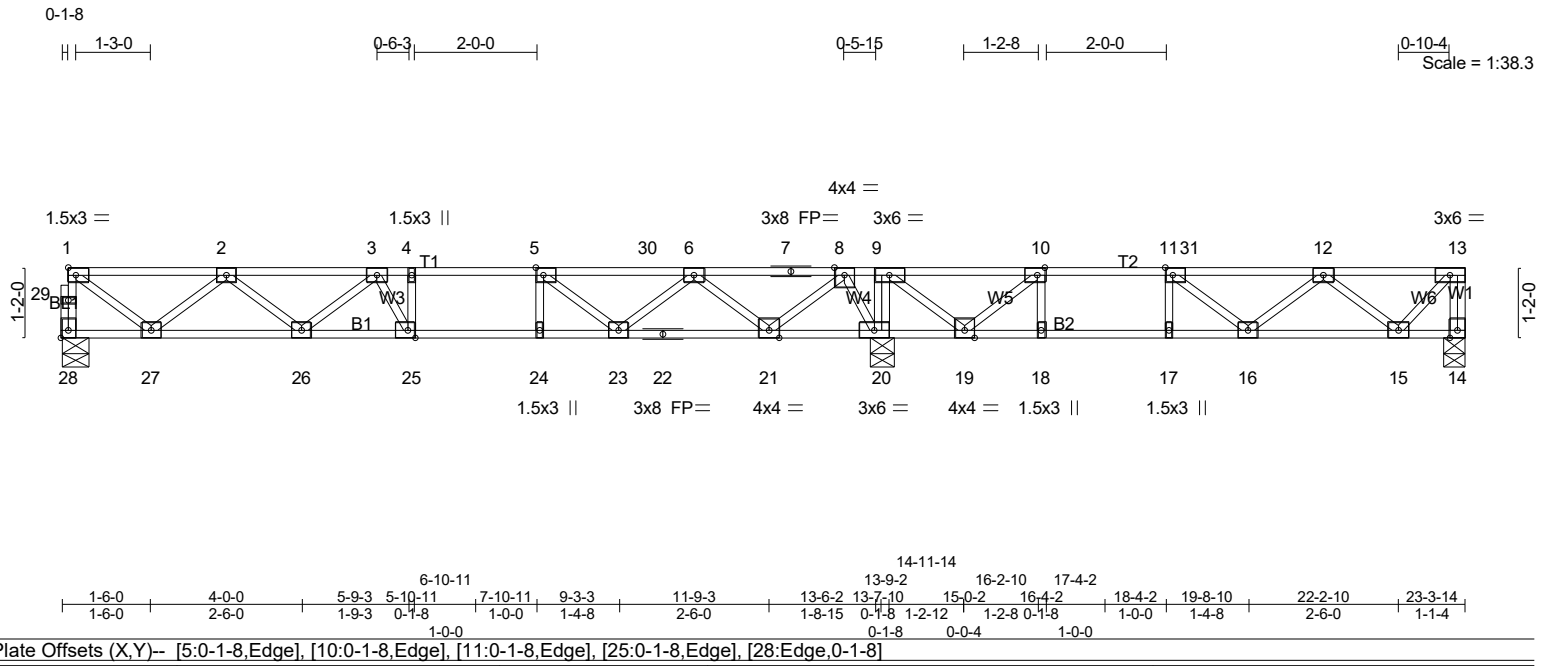

Plate Offsets (X,Y)-- [5:0-1-8,Edge], [10:0-1-8,Edge], [11:0-1-8,Edge], [25:0-1-8,Edge], [28:Edge,0-1-8]

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	0.60	Vert(LL)	-0.09	16-17	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.75	Vert(CT)	-0.14	16-17	>793	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.48	Horz(CT)	0.03	14	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 117 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, Except:
6-0-0 oc bracing: 20-21,19-20.

REACTIONS. (lb/size) 28=564/0-5-6 (min. 0-1-8), 14=431/0-4-8 (min. 0-1-8), 20=1749/0-4-8 (min. 0-1-8)
Max Grav 28=574(LC 10), 14=479(LC 4), 20=1749(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 28-29=-571/0, 1-29=-570/0, 13-14=-472/0, 1-2=-649/0, 2-3=-1498/0, 3-4=-1803/0, 4-5=-1803/0, 5-30=-1535/0, 6-30=-1535/0, 6-7=-547/0, 7-8=-547/0, 8-9=0/1014, 9-10=-340/390, 10-11=-1139/0, 11-31=-1062/0, 12-31=-1062/0, 12-13=-385/0
BOT CHORD 26-27=0/1215, 25-26=0/1757, 24-25=0/1803, 23-24=0/1803, 22-23=0/1262, 21-22=0/1262, 20-21=-484/0, 19-20=-1014/0, 18-19=0/1139, 17-18=0/1139, 16-17=0/1139, 15-16=0/872
WEBS 10-18=0/256, 9-20=-806/0, 1-27=0/785, 2-27=-737/0, 2-26=0/368, 3-26=-337/0, 3-25=-85/311, 5-23=-409/0, 6-23=0/399, 6-21=-967/0, 8-21=0/984, 8-20=-1105/0, 9-19=0/1007, 10-19=-1173/0, 12-15=-635/0, 13-15=0/561

NOTES- (6-7)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14 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 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.
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.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 14-28=-8, 1-30=-80, 30-31=-160, 13-31=-80
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 14-28=-8, 1-30=-80, 30-31=-160, 13-31=-80
3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00

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Continued on page 2

LOAD CASE(S) Standard

Uniform Loads (plf)
Vert: 14-28=-8, 1-30=-80, 9-30=-160, 9-31=-96, 13-31=-16

4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 14-28=-8, 1-30=-16, 9-30=-96, 9-31=-160, 13-31=-80

5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 14-28=-8, 1-30=-80, 9-30=-160, 9-31=-96, 13-31=-16

6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 14-28=-8, 1-30=-16, 9-30=-96, 9-31=-160, 13-31=-80

7) 1st chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 14-28=-8, 1-5=-80, 5-30=-16, 9-30=-96, 9-31=-160, 13-31=-80

8) 2nd chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 14-28=-8, 1-4=-16, 4-30=-80, 30-31=-160, 13-31=-80

9) 3rd chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 14-28=-8, 1-30=-80, 11-30=-160, 11-31=-96, 13-31=-16

10) 4th chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 14-28=-8, 1-30=-80, 9-30=-160, 9-10=-96, 10-31=-160, 13-31=-80

11) 5th chase Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 14-28=-8, 1-5=-80, 5-30=-16, 9-30=-96, 9-31=-160, 13-31=-80

12) 6th chase Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 14-28=-8, 1-4=-16, 4-30=-80, 30-31=-160, 13-31=-80

13) 7th chase Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 14-28=-8, 1-30=-80, 11-30=-160, 11-31=-96, 13-31=-16

14) 8th chase Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 14-28=-8, 1-30=-80, 9-30=-160, 9-10=-96, 10-31=-160, 13-31=-80

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0027 CAMPBELL RIDGE | 49 ALDEN WAY ANGIER, NC
25-2455-F01	F115C	FLOOR	1	1	Job Reference (optional) **# 57915**

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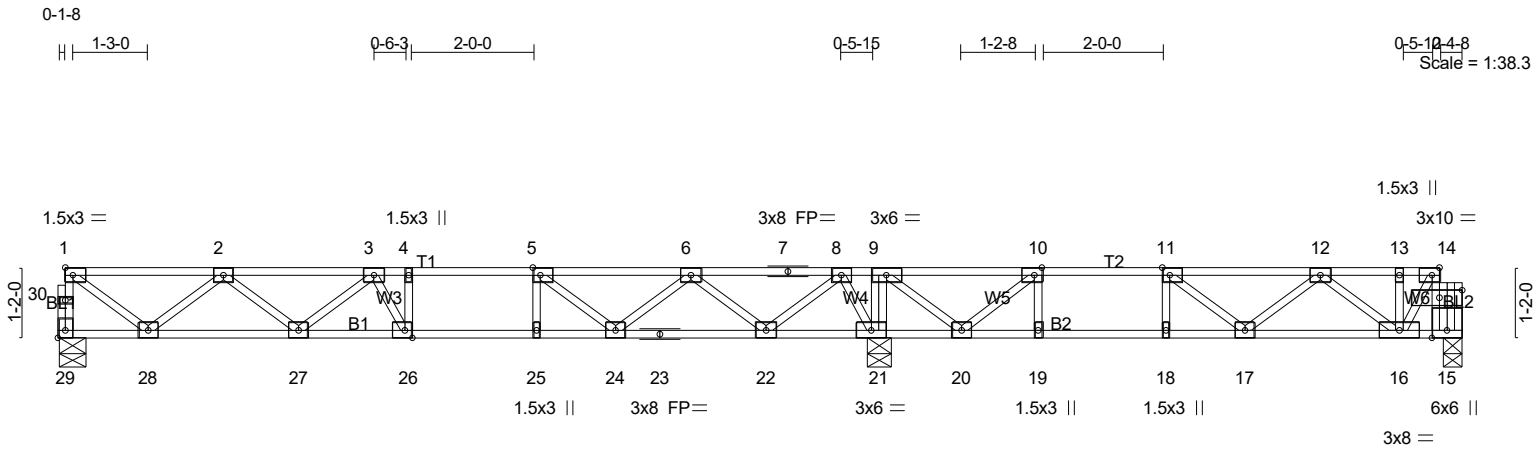


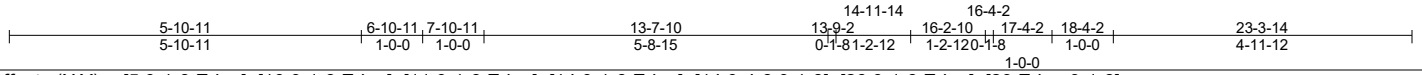


Plate Offsets (X,Y)-- [5:0-1-8,Edge], [10:0-1-8,Edge], [11:0-1-8,Edge], [14:0-1-8,Edge], [14:0-4-8,0-1-8], [26:0-1-8,Edge], [29:Edge,0-1-8]

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	0.43	Vert(LL)	-0.09	26-27	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.61	Vert(CT)	-0.12	26-27	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.36	Horz(CT)	0.03	15	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 120 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)

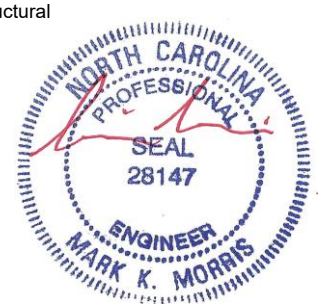
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size) 29=547/0-5-6 (min. 0-1-8), 15=355/0-3-8 (min. 0-1-8), 21=1111/0-4-8 (min. 0-1-8)
Max Grav 29=558(LC 10), 15=403(LC 4), 21=1111(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 29-30=-553/0, 1-30=-552/0, 14-15=-398/0, 1-2=-626/0, 2-3=-1438/0, 3-4=-1693/0, 4-5=-1693/0, 5-6=-1386/0, 6-7=-544/0, 7-8=-544/0, 8-9=0/692, 9-10=-346/378, 10-11=-819/114, 11-12=-792/0, 12-13=-276/0, 13-14=-279/0
BOT CHORD 27-28=0/1173, 26-27=0/1671, 25-26=0/1693, 24-25=0/1693, 23-24=0/1086, 22-23=0/1086, 21-22=-321/7, 20-21=-692/0, 19-20=-114/819, 18-19=-114/819, 17-18=-114/819, 16-17=0/674
WEBS 9-21=-449/0, 1-28=0/757, 2-28=-712/0, 2-27=0/344, 3-27=-304/0, 3-26=-133/263, 5-24=-460/0, 6-24=0/435, 6-22=-742/0, 8-22=0/766, 8-21=-792/0, 9-20=0/610, 10-20=-753/0, 12-16=-508/0, 14-16=0/439

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



3/24/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0027 CAMPBELL RIDGE | 49 ALDEN WAY ANGIER, NC
25-2455-F01	F115D	FLOOR	4	1	Job Reference (optional) **# 57915**

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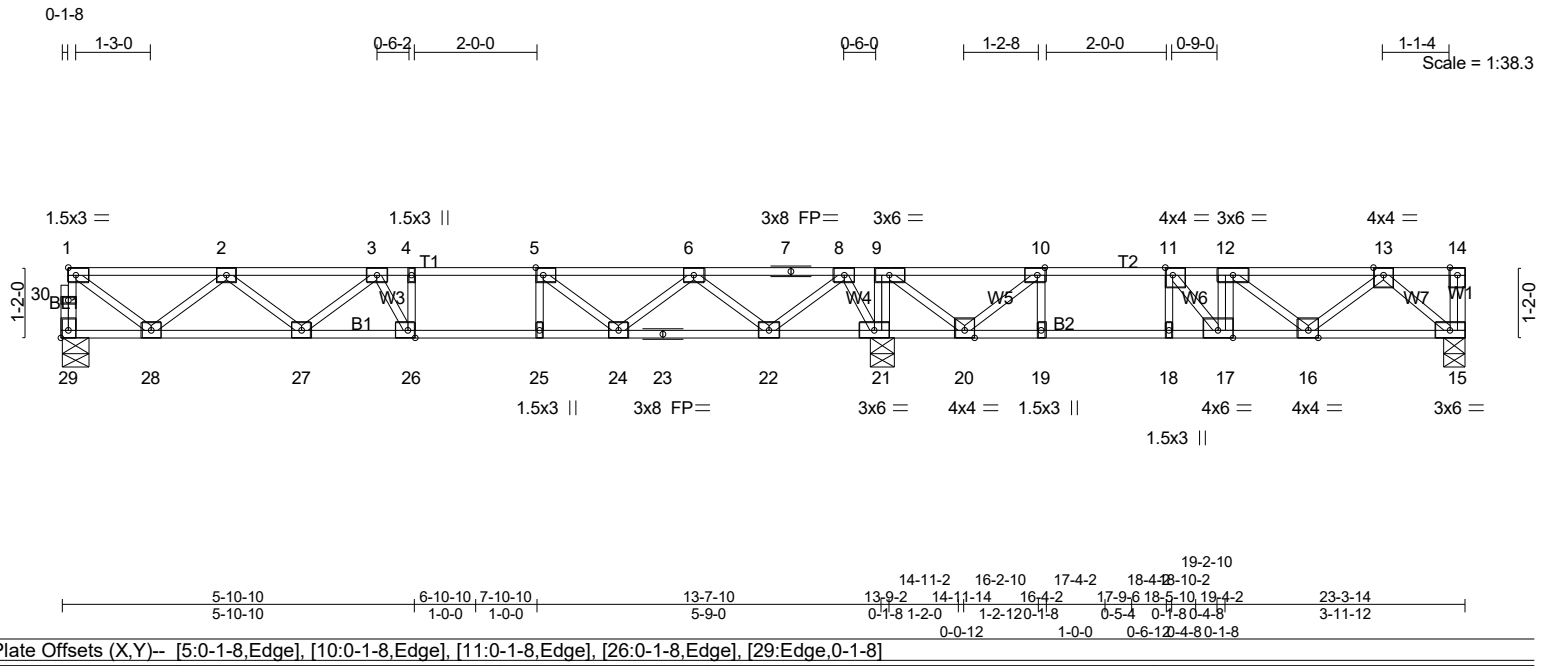


Plate Offsets (X,Y)-- [5:0-1-8,Edge], [10:0-1-8,Edge], [11:0-1-8,Edge], [26:0-1-8,Edge], [29:Edge,0-1-8]

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	0.94	Vert(LL)	-0.09	26-27	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.92	Vert(CT)	-0.23	17-18	>493	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.51	Horz(CT)	0.04	15	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 120 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat) *Except*
B2: 2x4 SP SS(flat)
WEBS 2x4 SP No.3(flat)

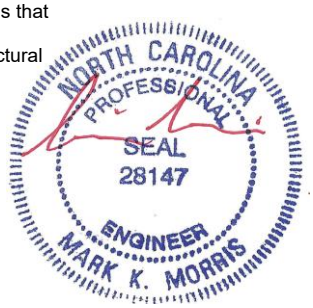
BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 20-21
2-2-0 oc bracing: 18-19.

REACTIONS. (lb/size) 29=571/0-5-6 (min. 0-1-8), 21=1315/0-4-8 (min. 0-1-8), 15=778/0-4-8 (min. 0-1-8)
Max Grav 29=581(LC 10), 21=1315(LC 1), 15=829(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 29-30=-578/0, 1-30=-577/0, 1-2=-658/0, 2-3=-1522/0, 3-4=-1848/0, 4-5=-1848/0, 5-6=-1592/0, 6-7=-807/0, 7-8=-807/0, 8-9=-252/336, 9-10=-988/0, 10-11=-1934/0, 11-12=-2510/0, 12-13=-1680/0
BOT CHORD 27-28=0/1232, 26-27=0/1792, 25-26=0/1848, 24-25=0/1848, 23-24=0/1323, 22-23=0/1323, 21-22=0/341, 20-21=-336/252, 19-20=0/1934, 18-19=0/1934, 17-18=0/1934, 16-17=0/2510, 15-16=0/935
WEBS 12-17=-462/0, 10-19=0/460, 11-18=-506/0, 9-21=-592/0, 1-28=0/796, 2-28=-747/0, 2-27=0/378, 3-27=-352/0, 3-26=-57/333, 5-24=-379/0, 6-24=0/383, 6-22=-701/0, 8-22=0/710, 8-21=-821/0, 9-20=0/1011, 10-20=-1369/0, 11-17=0/1073, 12-16=-1041/0, 13-16=0/969, 13-15=-1226/0

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
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 15-29=-8, 1-14=-80
Concentrated Loads (lb)
Vert: 12=-640



3/24/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0027 CAMPBELL RIDGE | 49 ALDEN WAY ANGIER, NC
25-2455-F01	F116	Floor	13	1	Job Reference (optional) **# 57915**

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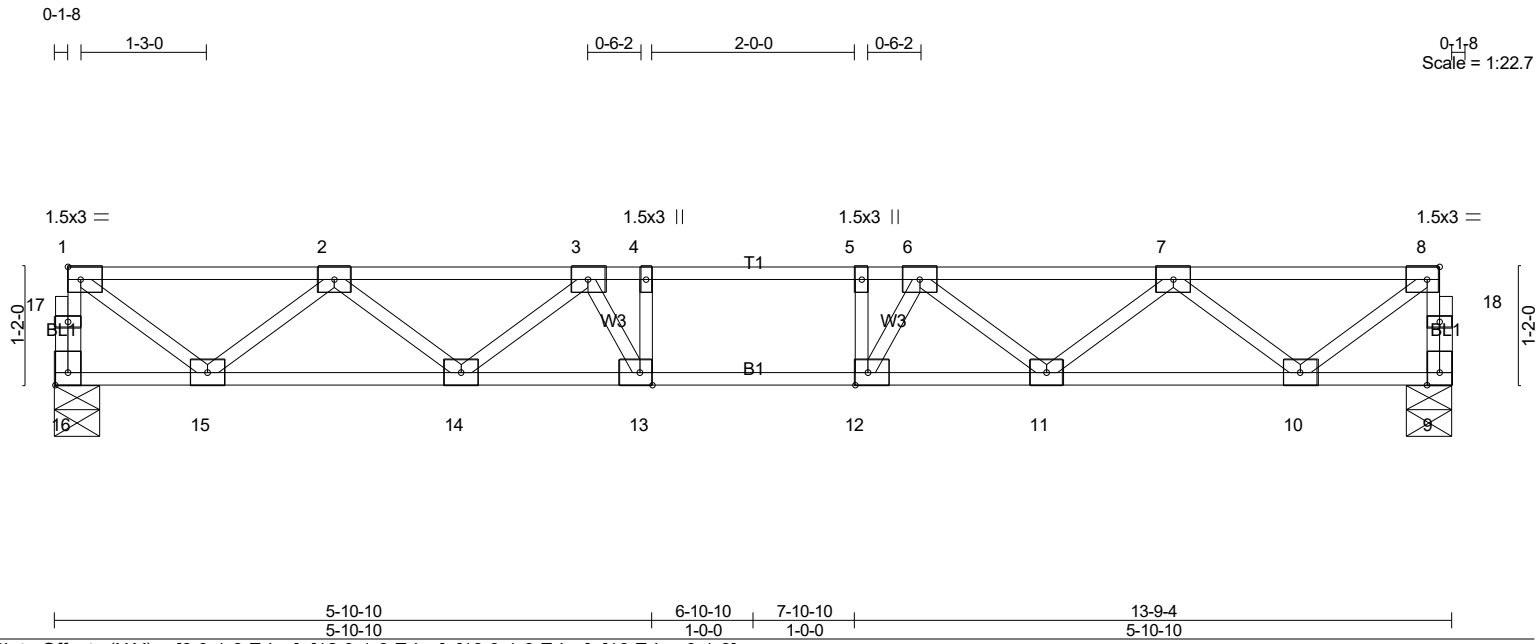

Plate Offsets (X,Y)-- [8:0-1-8,Edge], [12:0-1-8,Edge], [13:0-1-8,Edge], [16:Edge,0-1-8]

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)	-0.08	12-13	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.40	Vert(CT)	-0.11	12-13	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.39	Horz(CT)	0.02	9	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 70 lb	FT = 20%F, 11%E

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

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

REACTIONS. (lb/size) 16=590/0-5-6 (min. 0-1-8), 9=590/0-5-6 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 16-17=-586/0, 1-17=-585/0, 9-18=-586/0, 8-18=-585/0, 1-2=-669/0, 2-3=-1553/0, 3-4=-1897/0, 4-5=-1897/0, 5-6=-1897/0, 6-7=-1553/0, 7-8=-669/0
BOT CHORD 14-15=0/1253, 13-14=0/1831, 12-13=0/1897, 11-12=0/1831, 10-11=0/1253
WEBS 4-13=-268/39, 5-12=-269/39, 1-15=0/810, 2-15=-760/0, 2-14=0/390, 3-14=-363/0, 3-13=-84/379, 8-10=0/810, 7-10=-760/0, 7-11=0/390, 6-11=-363/0, 6-12=-84/380

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

3/24/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0027 CAMPBELL RIDGE | 49 ALDEN WAY ANGIER, NC
25-2455-F01	F117	GABLE	1	1	Job Reference (optional) **# 57915**

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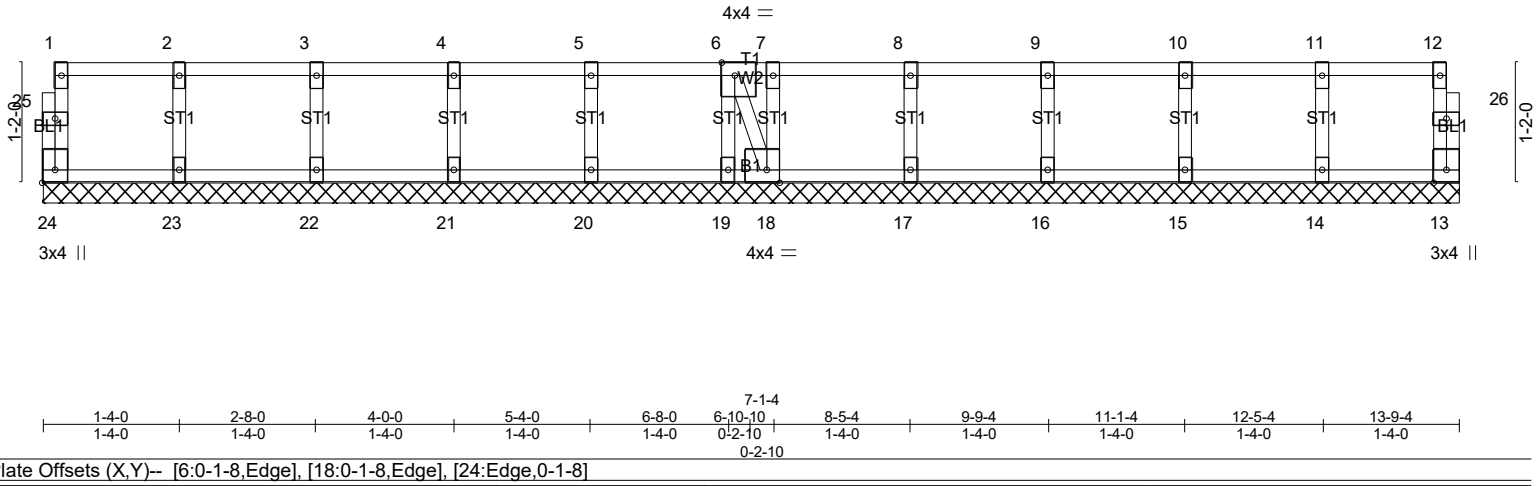

Plate Offsets (X,Y)-- [6:0-1-8,Edge], [18:0-1-8,Edge], [24:Edge,0-1-8]

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	0.05	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: 61 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 13-9-4.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 24, 13, 14, 15, 16, 17, 18, 23, 22, 21, 20, 19

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

NOTES- (6-7)
1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 1-4-0 oc.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) 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.
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.

LOAD CASE(S) Standard

3/24/2025