Mark Morris, P.E.

#126, 1317-M, Summerville, SC 29483
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The truss drawing(s) listed below have been prepared by **Atlantic Building Components** under my direct supervision based on the parameters provided by the truss designers.

AST #: 57302
JOB: 25-2031-F02
JOB NAME: LOT 0.0013 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.
21 Truss Design(s)

Trusses:
F201, F202, F202A, F203, F204, F205, F205A, F206, F207, F208, F209, F210, F211, F212, F213, F214, F215, F216, F217, F218, F219

3/3/2025
Mark Morris

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

This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult 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 0.0013 CAMPBELL RIDGE | 311 ALDEN WAY ANGIER, NC
25-2031-F02	F201	Floor Supported Gable	1	1	Job Reference (optional) **# 57302**

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0-1-8

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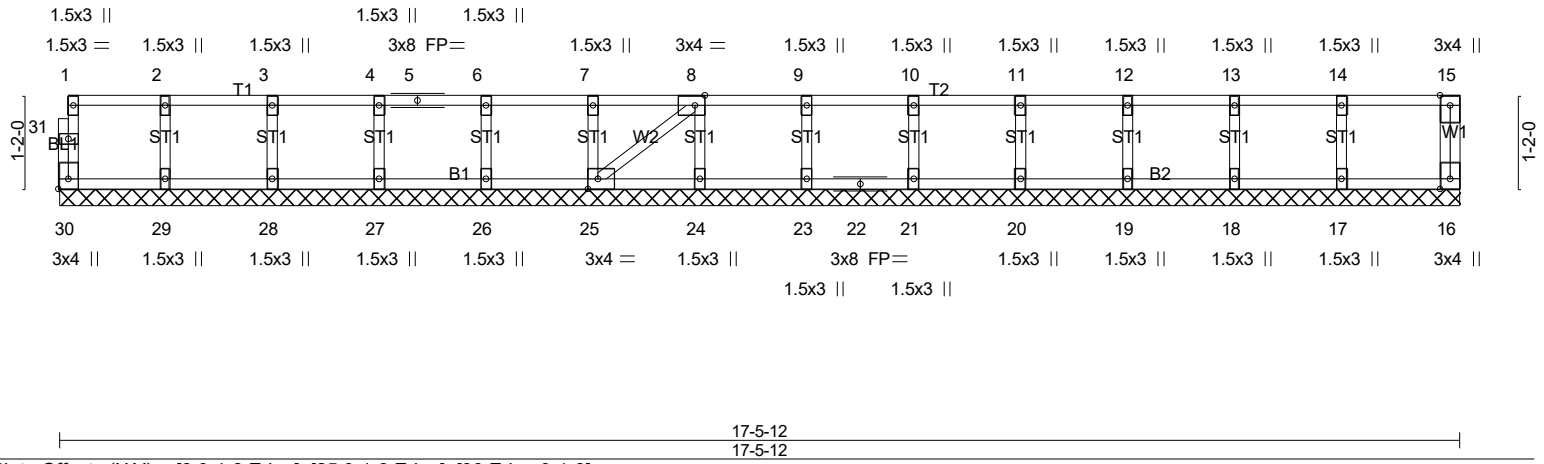

Plate Offsets (X,Y)-- [8:0-1-8,Edge], [25:0-1-8,Edge], [30:Edge,0-1-8]

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	0.07	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	16	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 76 lb	FT = 20%F, 11%E

LUMBER-
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 17-5-12.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 30, 16, 29, 28, 27, 26, 25, 24, 23, 21, 20, 19, 18, 17

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

NOTES- (6)
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

3/3/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 CAMPBELL RIDGE | 311 ALDEN WAY ANGIER, NC
25-2031-F02	F202	Floor	5	1	Job Reference (optional) **# 57302**

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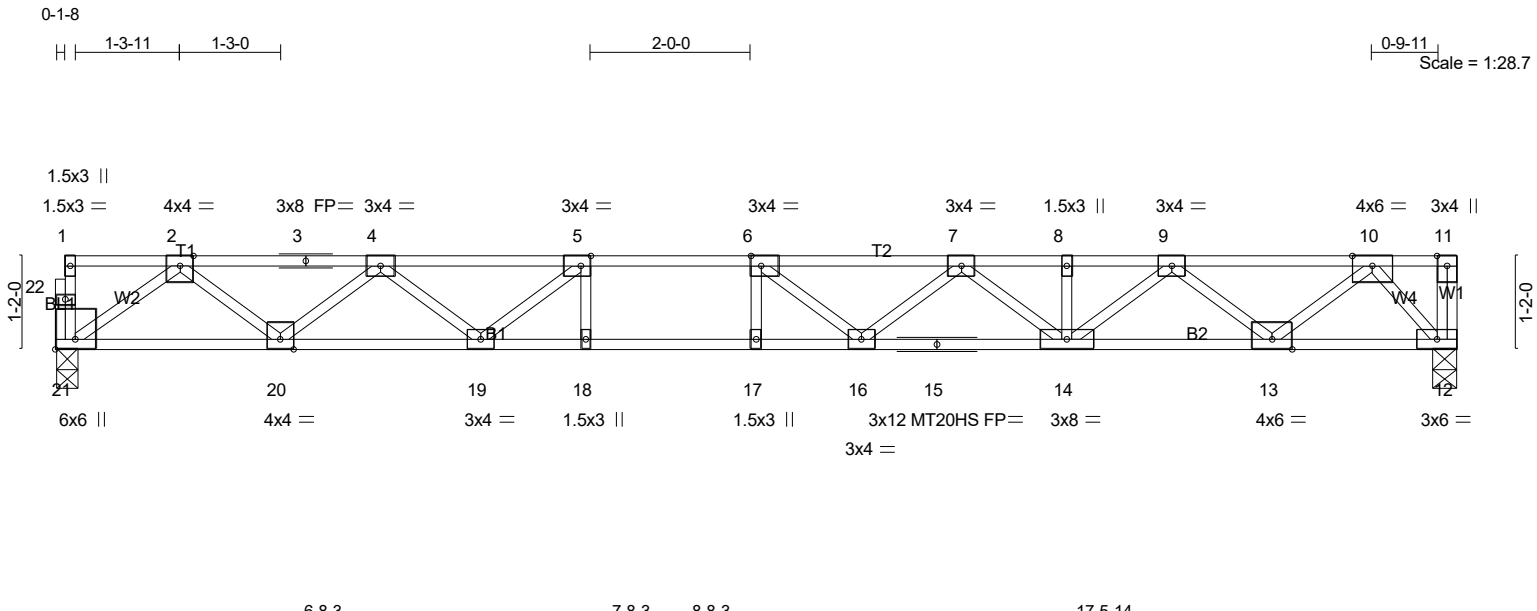

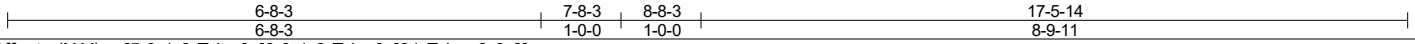

Plate Offsets (X,Y)-- [5:0-1-8,Edge], [6:0-1-8,Edge], [21:Edge,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.64	Vert(LL)	-0.30	16-17	>697	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.79	Vert(CT)	-0.41	16-17	>507	360	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.53	Horz(CT)	0.06	12	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 88 lb	FT = 20%F, 11%E

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-9-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2028/0, 3-4=-2028/0, 4-5=-3259/0, 5-6=-3830/0, 6-7=-3780/0, 7-8=-3111/0, 8-9=-3111/0, 9-10=-1700/0
BOT CHORD 20-21=0/1226, 19-20=0/2785, 18-19=0/3830, 17-18=0/3830, 16-17=0/3830, 15-16=0/3619, 14-15=0/3619, 13-14=0/2529, 12-13=0/837
WEBS 5-18=-65/292, 6-17=-260/97, 5-19=-879/0, 4-19=0/650, 4-20=-986/0, 2-20=0/1044, 2-21=-1514/0, 6-16=-424/231, 7-16=0/374, 7-14=-648/0, 9-14=0/744, 9-13=-1079/0, 10-13=0/1122, 10-12=-1256/0

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

LOAD CASE(S) Standard

3/3/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 CAMPBELL RIDGE | 311 ALDEN WAY ANGIER, NC
25-2031-F02	F202A	Floor	1	1	Job Reference (optional) **# 57302**

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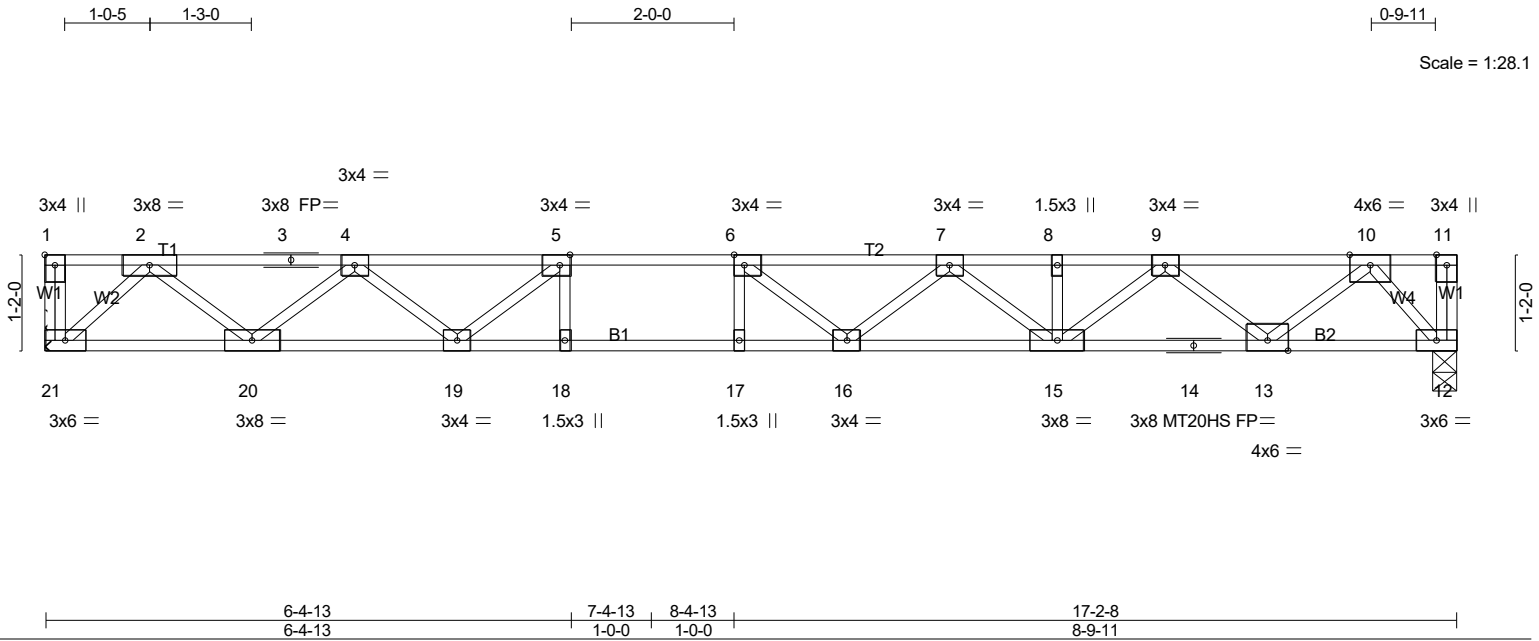

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [5:0-1-8,Edge], [6:0-1-8,Edge]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.64	Vert(LL)	-0.29	16-17	>713	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.80	Vert(CT)	-0.39	16-17	>519	360	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.52	Horz(CT)	0.06	12	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 88 lb	FT = 20%F, 11%E

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-9-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1813/0, 3-4=-1813/0, 4-5=-3081/0, 5-6=-3687/0, 6-7=-3673/0, 7-8=-3039/0, 8-9=-3039/0, 9-10=-1668/0
BOT CHORD 20-21=0/995, 19-20=0/2587, 18-19=0/3687, 17-18=0/3687, 16-17=0/3687, 15-16=0/3533, 14-15=0/2478, 13-14=0/2478, 12-13=0/824
WEBS 5-18=-51/302, 6-17=-270/83, 5-19=-904/0, 4-19=0/666, 4-20=-1007/0, 2-20=0/1065, 2-21=-1342/0, 6-16=-387/257, 7-16=0/351, 7-15=-630/0, 9-15=0/716, 9-13=-1055/0, 10-13=0/1099, 10-12=-1235/0

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

LOAD CASE(S) Standard

3/3/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 CAMPBELL RIDGE | 311 ALDEN WAY ANGIER, NC
25-2031-F02	F203	Floor	3	1	Job Reference (optional) **# 57302**

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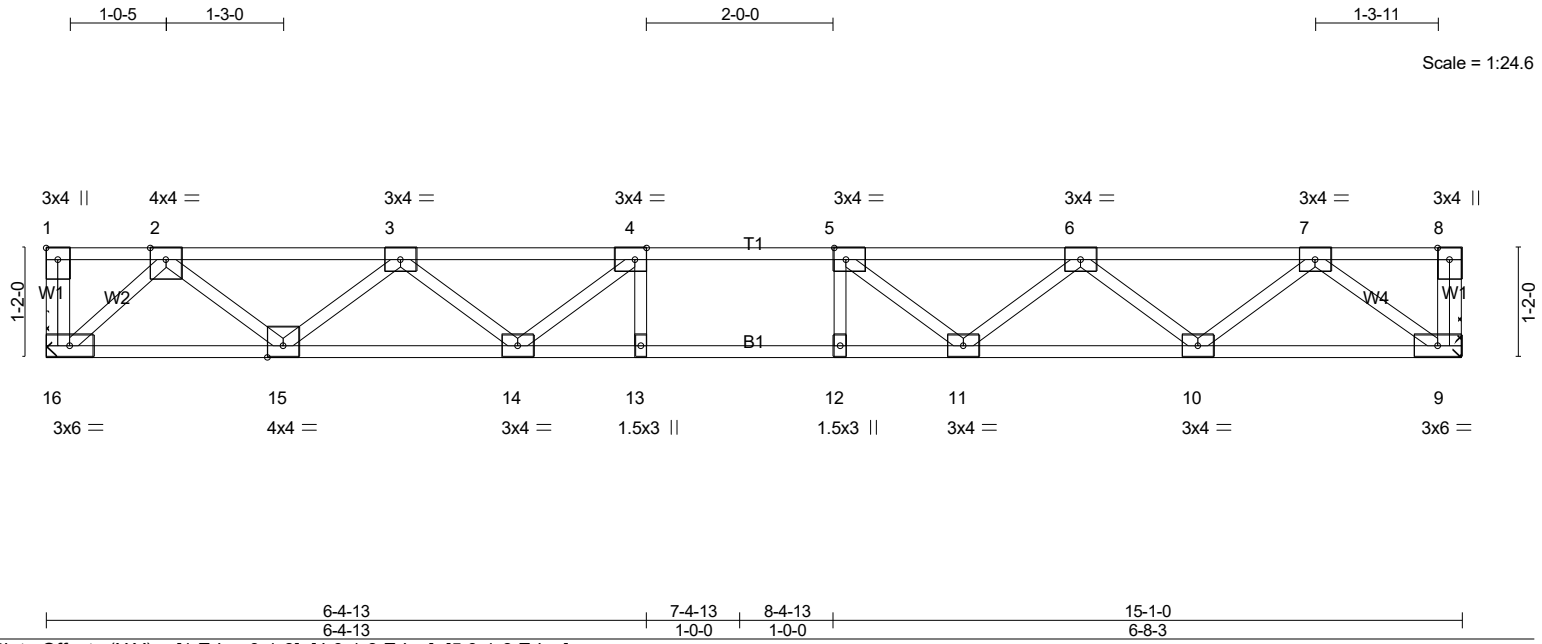

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [4:0-1-8,Edge], [5:0-1-8,Edge]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.38	Vert(LL)	-0.16	11-12	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.79	Vert(CT)	-0.21	11-12	>833	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.42	Horz(CT)	0.04	9	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 76 lb	FT = 20%F, 11%E

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

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

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

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1545/0, 3-4=-2532/0, 4-5=-2874/0, 5-6=-2601/0, 6-7=-1691/0
BOT CHORD 15-16=0/861, 14-15=0/2196, 13-14=0/2874, 12-13=0/2874, 11-12=0/2874, 10-11=0/2308, 9-10=0/1040
WEBS 4-14=-602/0, 3-14=0/485, 3-15=-847/0, 2-15=0/892, 2-16=-1161/0, 5-11=-542/0, 6-11=0/446, 6-10=-803/0, 7-10=0/847, 7-9=-1286/0

NOTES- (4)
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
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.

LOAD CASE(S) Standard

3/3/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 CAMPBELL RIDGE | 311 ALDEN WAY ANGIER, NC
25-2031-F02	F204	Floor	2	1	Job Reference (optional) **# 57302**

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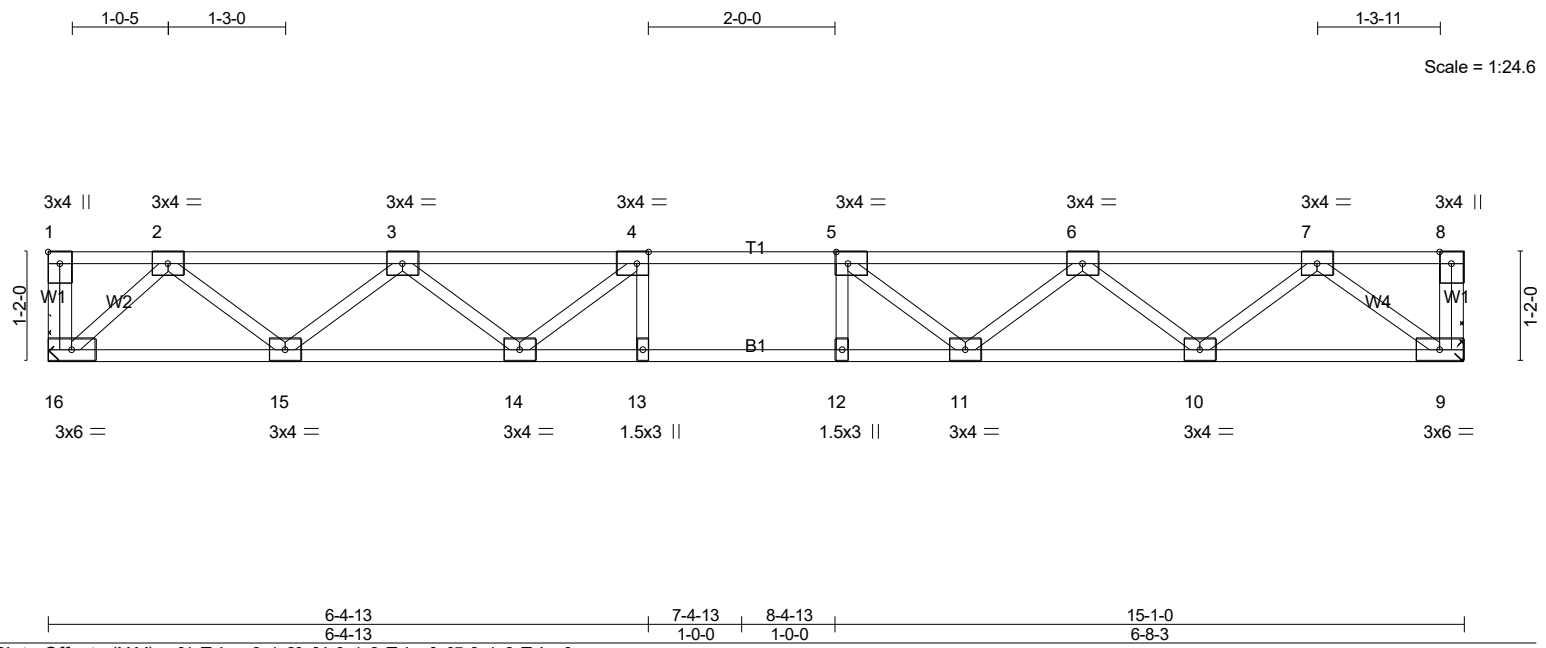

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [4:0-1-8,Edge], [5:0-1-8,Edge]

LOADING (psf)		**SPACING-**	1-4-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.25	Vert(LL)	-0.11	11-12	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.52	Vert(CT)	-0.14	11-12	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.28	Horz(CT)	0.03	9	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 76 lb	FT = 20%F, 11%E

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

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

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

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1030/0, 3-4=-1688/0, 4-5=-1916/0, 5-6=-1734/0, 6-7=-1127/0
BOT CHORD 15-16=0/574, 14-15=0/1464, 13-14=0/1916, 12-13=0/1916, 11-12=0/1916, 10-11=0/1539, 9-10=0/693
WEBS 4-14=-402/0, 3-14=0/324, 3-15=-565/0, 2-15=0/594, 2-16=-774/0, 5-11=-361/0, 6-11=0/298, 6-10=-536/0, 7-10=0/565, 7-9=-857/0

NOTES- (4)
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
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.

LOAD CASE(S) Standard

3/3/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 CAMPBELL RIDGE | 311 ALDEN WAY ANGIER, NC
25-2031-F02	F205	FLOOR	4	1	# 57302
					Job Reference (optional)

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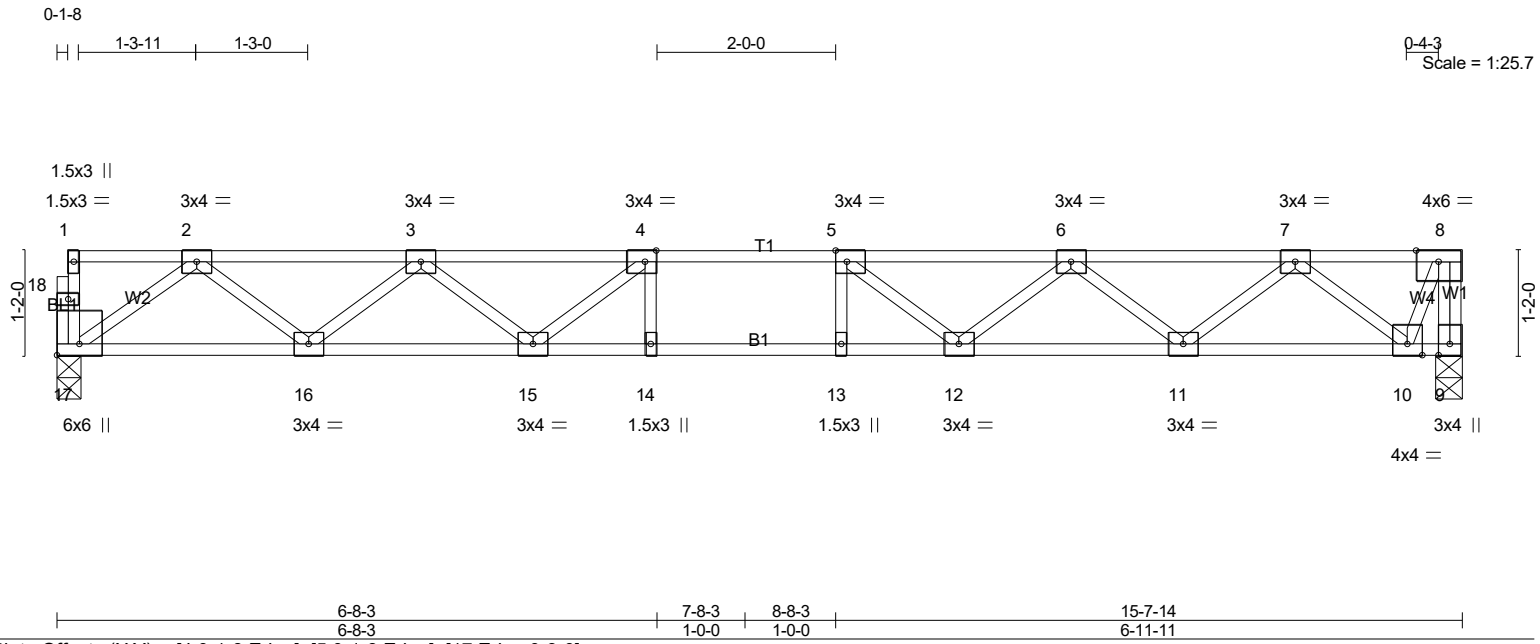

Plate Offsets (X,Y)-- [4:0-1-8,Edge], [5:0-1-8,Edge], [17:Edge,0-3-0]

LOADING (psf)		SPACING-	1-9-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.34	Vert(LL)	-0.15	12-13	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.73	Vert(CT)	-0.21	12-13	>883	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.37	Horz(CT)	0.04	9	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 79 lb	FT = 20%F, 11%E

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

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

REACTIONS. (lb/size) 9=741/0-3-8 (min. 0-1-8), 17=736/0-3-6 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 8-9=-743/0, 2-3=-1549/0, 3-4=-2413/0, 4-5=-2714/0, 5-6=-2476/0, 6-7=-1681/0, 7-8=-313/0
BOT CHORD 16-17=0/948, 15-16=0/2119, 14-15=0/2714, 13-14=0/2714, 12-13=0/2714, 11-12=0/2219, 10-11=0/1117
WEBS 4-15=-542/0, 3-15=0/434, 3-16=-741/0, 2-16=0/783, 2-17=-1170/0, 5-12=-487/0, 6-12=0/400, 6-11=-700/0, 7-11=0/734, 7-10=-1047/0, 8-10=0/756

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

LOAD CASE(S) Standard

3/3/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 CAMPBELL RIDGE | 311 ALDEN WAY ANGIER, NC
25-2031-F02	F205A	Floor	1	1	# 57302
					Job Reference (optional)

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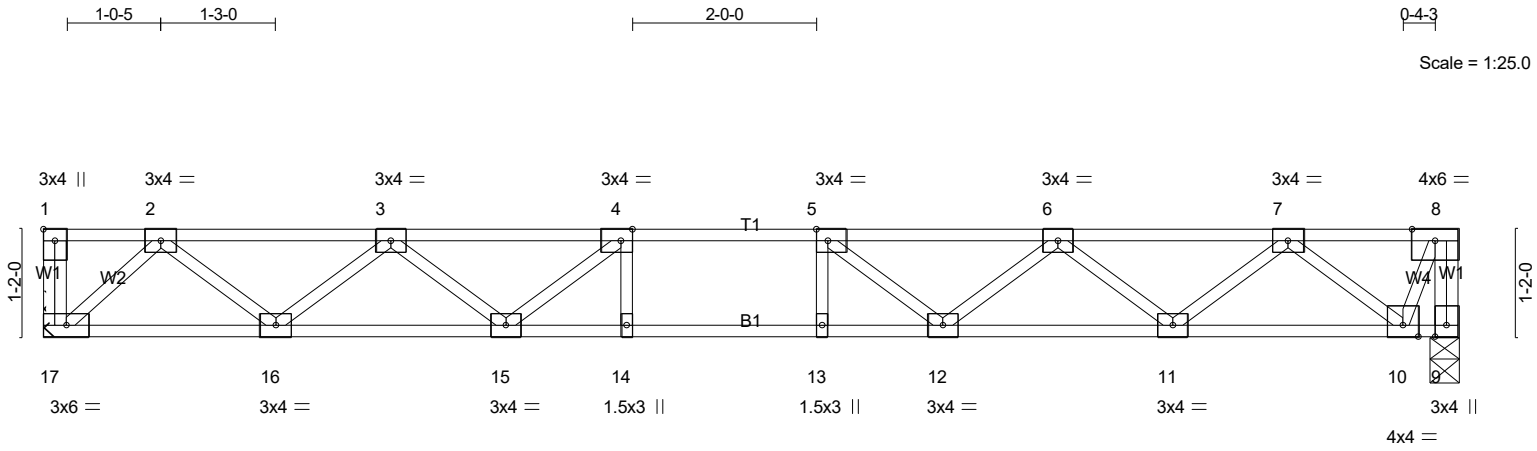

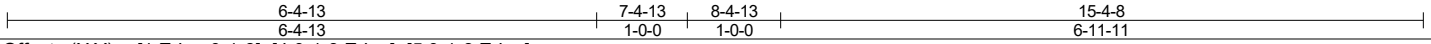

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [4:0-1-8,Edge], [5:0-1-8,Edge]

LOADING (psf)		**SPACING-**	1-4-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.27	Vert(LL)	-0.12	12-13	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.56	Vert(CT)	-0.16	12-13	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.29	Horz(CT)	0.03	9	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 78 lb	FT = 20%F, 11%E

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

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

REACTIONS. (lb/size) 9=555/0-3-8 (min. 0-1-8), 17=555/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 8-9=-556/0, 2-3=-1055/0, 3-4=-1738/0, 4-5=-1990/0, 5-6=-1832/0, 6-7=-1252/0
BOT CHORD 16-17=0/586, 15-16=0/1500, 14-15=0/1990, 13-14=0/1990, 12-13=0/1990, 11-12=0/1651, 10-11=0/834
WEBS 4-15=-428/0, 3-15=0/340, 3-16=-579/0, 2-16=0/610, 2-17=-790/0, 5-12=-346/0, 6-12=0/289, 6-11=-519/0, 7-11=0/544, 7-10=-781/0, 8-10=0/565

NOTES- (4)
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
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.

LOAD CASE(S) Standard

3/3/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 CAMPBELL RIDGE | 311 ALDEN WAY ANGIER, NC
25-2031-F02	F206	Floor	6	1	Job Reference (optional) **# 57302**

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Tue Mar 4 12:29:36 2025 Page 1
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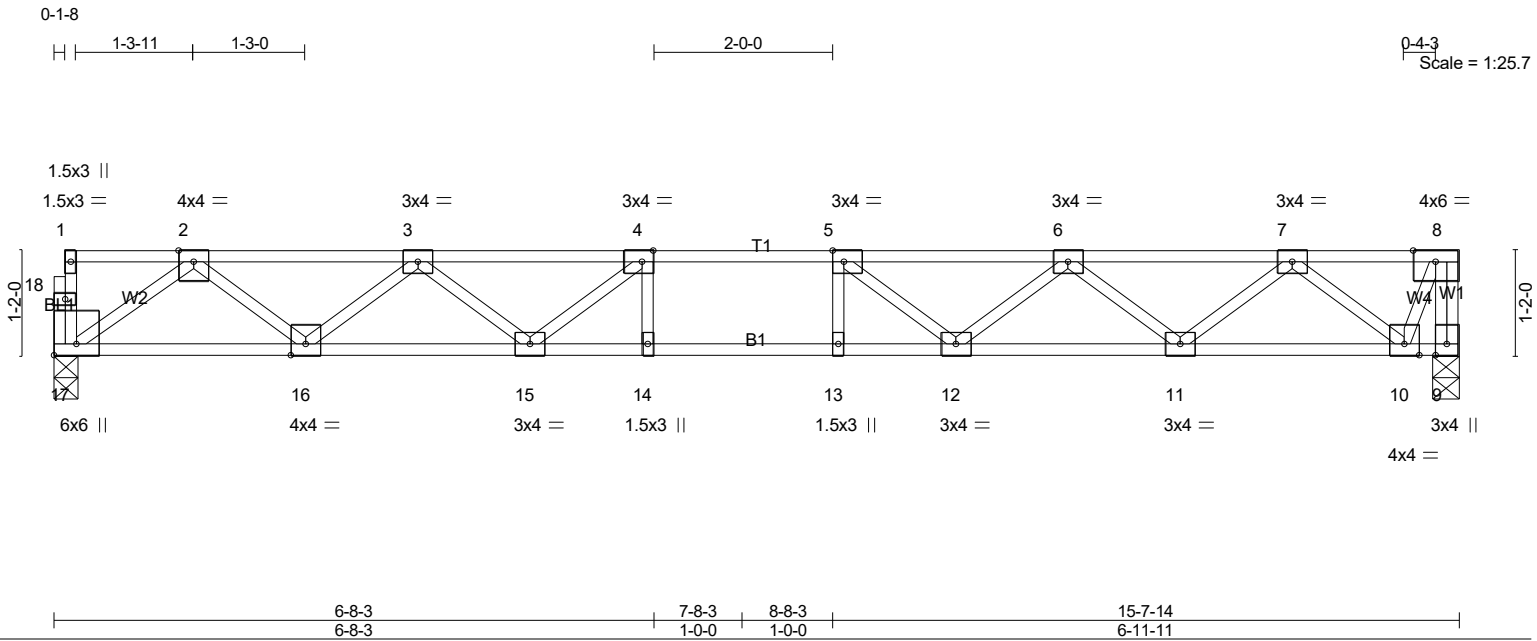

Plate Offsets (X,Y)-- [4:0-1-8,Edge], [5:0-1-8,Edge], [17:Edge,0-3-0]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.41	Vert(LL)	-0.18	12-13	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.83	Vert(CT)	-0.24	12-13	>772	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.43	Horz(CT)	0.05	9	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 79 lb	FT = 20%F, 11%E

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

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

REACTIONS. (lb/size) 9=847/0-3-8 (min. 0-1-8), 17=841/0-3-6 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 8-9=-849/0, 2-3=-1771/0, 3-4=-2758/0, 4-5=-3101/0, 5-6=-2829/0, 6-7=-1921/0, 7-8=-358/0
BOT CHORD 16-17=0/1084, 15-16=0/2422, 14-15=0/3101, 13-14=0/3101, 12-13=0/3101, 11-12=0/2536, 10-11=0/1277
WEBS 4-15=-620/0, 3-15=0/496, 3-16=-847/0, 2-16=0/894, 2-17=-1337/0, 5-12=-556/0, 6-12=0/457, 6-11=-800/0, 7-11=0/839, 7-10=-1197/0, 8-10=0/864

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

LOAD CASE(S) Standard

3/3/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 CAMPBELL RIDGE | 311 ALDEN WAY ANGIER, NC
25-2031-F02	F207	Floor Supported Gable	1	1	Job Reference (optional) **# 57302**

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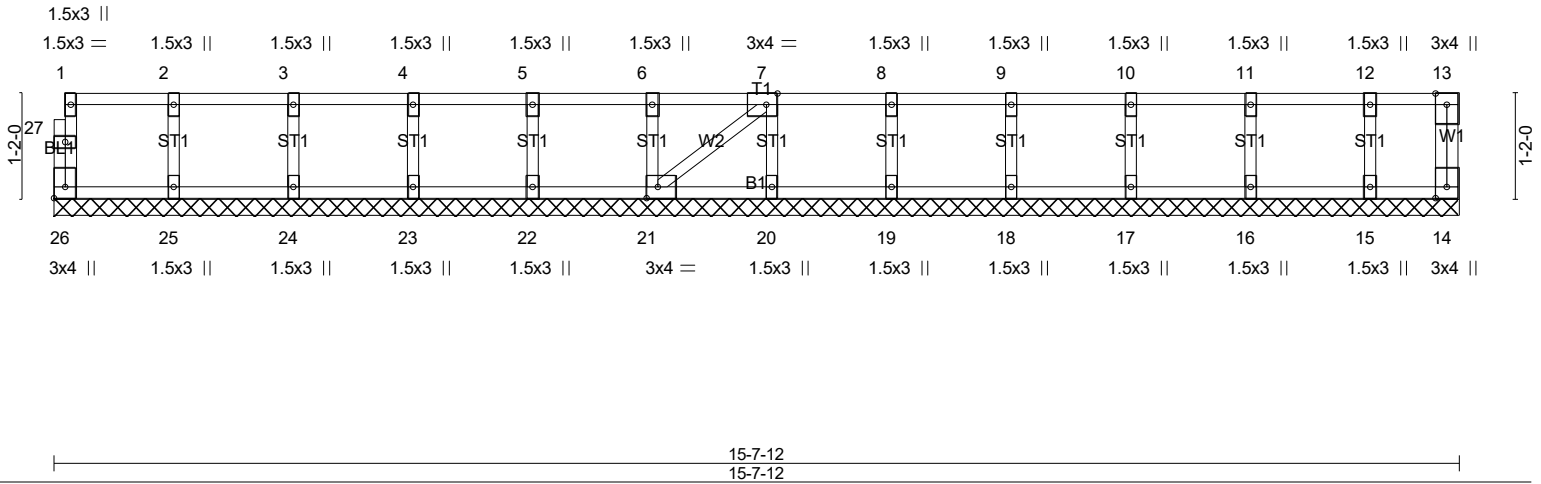

Plate Offsets (X,Y)-- [7:0-1-8,Edge], [21:0-1-8,Edge], [26:Edge,0-1-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	14	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 69 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 15-7-12.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 26, 14, 25, 24, 23, 22, 21, 20, 19, 18, 17, 16, 15

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

NOTES- (6)
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

3/3/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 CAMPBELL RIDGE | 311 ALDEN WAY ANGIER, NC
25-2031-F02	F208	Floor Supported Gable	1	1	Job Reference (optional) **# 57302**

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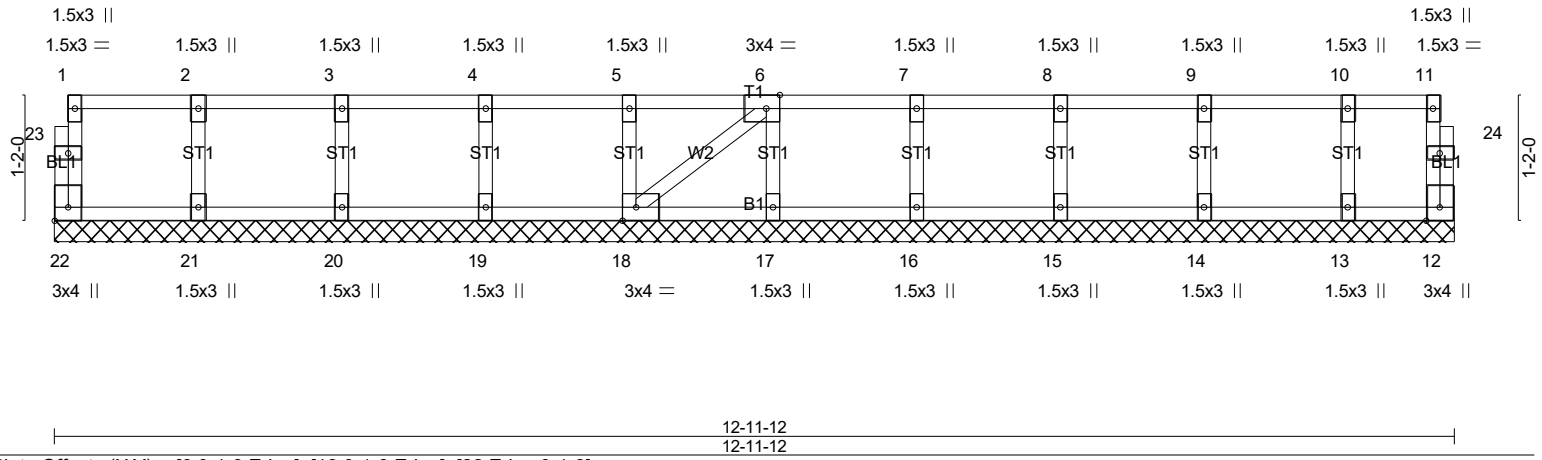

12-11-12
12-11-12

Plate Offsets (X,Y)-- [6:0-1-8,Edge], [18:0-1-8,Edge], [22:Edge,0-1-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	12	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 58 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 12-11-12.
(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- (5)
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

3/3/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 CAMPBELL RIDGE | 311 ALDEN WAY ANGIER, NC
25-2031-F02	F209	Floor	2	1	Job Reference (optional) **# 57302**

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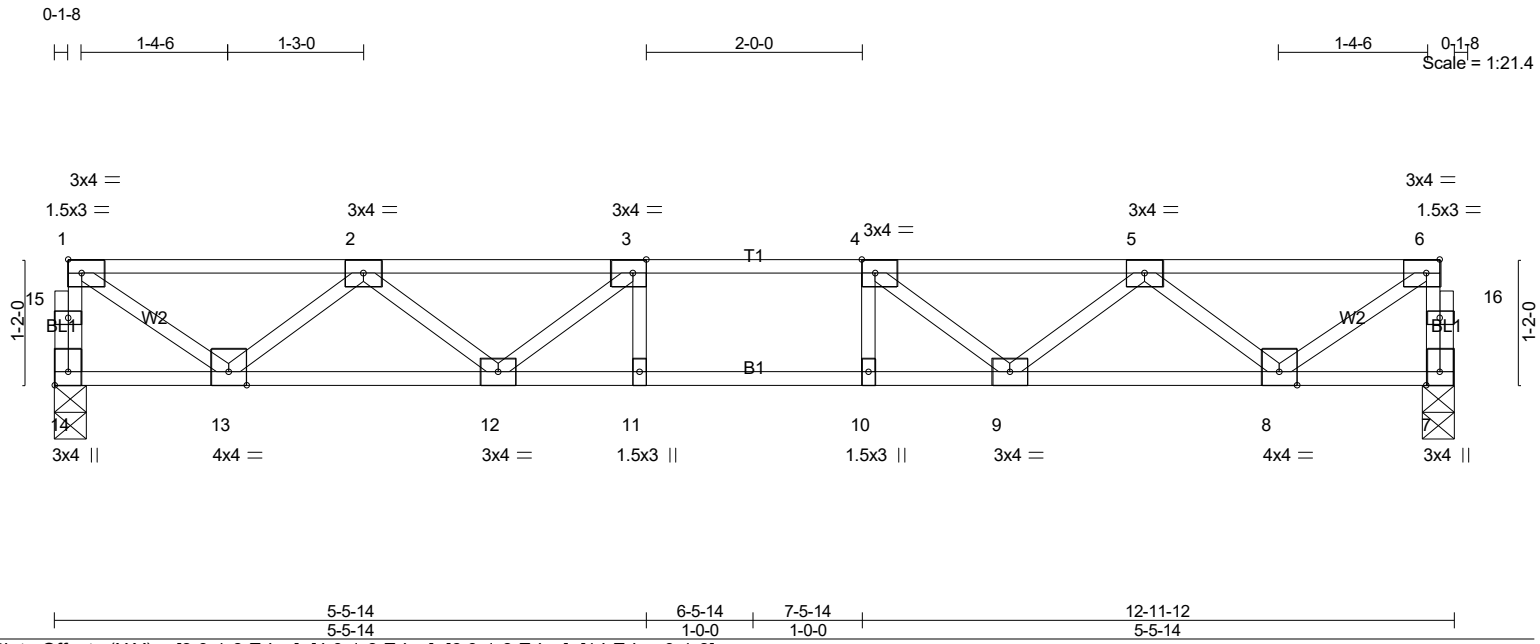

Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [6:0-1-8,Edge], [14:Edge,0-1-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.32	Vert(LL)	-0.10	11-12	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.58	Vert(CT)	-0.13	9-10	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.47	Horz(CT)	0.03	7	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 65 lb	FT = 20%F, 11%E

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

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

REACTIONS. (lb/size) 14=694/0-3-6 (min. 0-1-8), 7=694/0-3-6 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 14-15=-688/0, 1-15=-687/0, 7-16=-688/0, 6-16=-687/0, 1-2=-836/0, 2-3=-1812/0, 3-4=-2109/0, 4-5=-1812/0, 5-6=-836/0
BOT CHORD 12-13=0/1506, 11-12=0/2109, 10-11=0/2109, 9-10=0/2109, 8-9=0/1506
WEBS 3-12=-507/0, 2-12=0/427, 2-13=-872/0, 1-13=0/984, 4-9=-507/0, 5-9=0/427, 5-8=-872/0, 6-8=0/984

NOTES- (3)
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.

LOAD CASE(S) Standard

3/3/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 CAMPBELL RIDGE | 311 ALDEN WAY ANGIER, NC
25-2031-F02	F210	Floor	2	1	Job Reference (optional) **# 57302**

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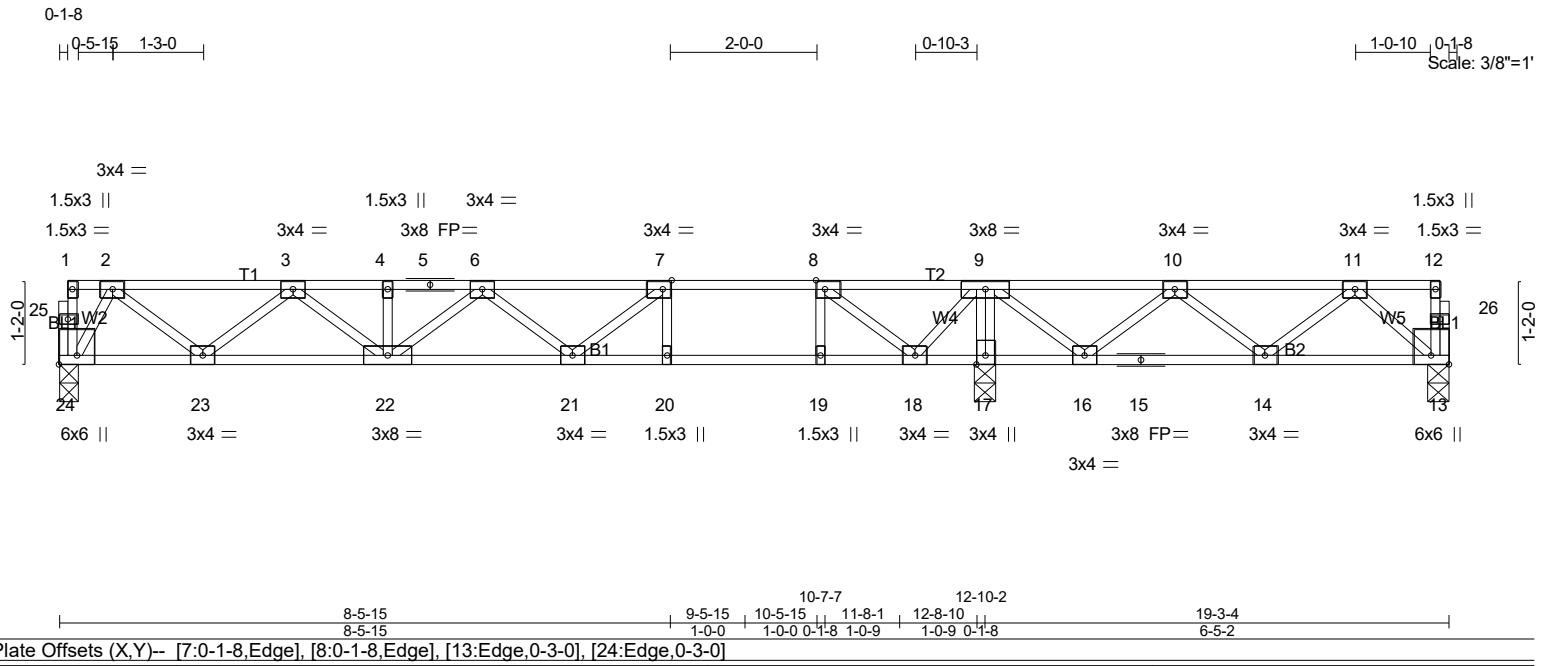

Plate Offsets (X,Y)-- [7:0-1-8,Edge], [8:0-1-8,Edge], [13:Edge,0-3-0], [24:Edge,0-3-0]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.83	Vert(LL)	-0.25	20-21	>612	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.88	Vert(CT)	-0.34	20-21	>451	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.38	Horz(CT)	0.03	13	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 100 lb	FT = 20%F, 11%E

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 17-18,16-17.

REACTIONS. (lb/size) 24=697/0-3-6 (min. 0-1-8), 17=1035/0-3-8 (min. 0-1-8), 13=348/0-3-6 (min. 0-1-8)
Max Grav 24=703(LC 3), 17=1035(LC 1), 13=376(LC 7)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1058/0, 3-4=-1954/0, 4-5=-1954/0, 5-6=-1954/0, 6-7=-2133/0, 7-8=-1724/0, 8-9=-668/0, 9-10=-476/0, 10-11=-559/0
BOT CHORD 23-24=0/442, 22-23=0/1639, 21-22=0/2254, 20-21=0/1724, 19-20=0/1724, 18-19=0/1724, 15-16=0/698, 14-15=0/698, 13-14=0/384
WEBS 7-20=-399/0, 8-19=0/456, 9-17=-914/0, 7-21=0/562, 6-22=-383/0, 3-22=0/402, 3-23=-756/0, 2-23=0/803, 2-24=-870/0, 8-18=-1360/0, 9-18=0/775, 9-16=0/408, 10-16=-376/0, 11-13=-511/0

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

LOAD CASE(S) Standard

3/3/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 CAMPBELL RIDGE | 311 ALDEN WAY ANGIER, NC
25-2031-F02	F211	Floor	5	1	Job Reference (optional) **# 57302**

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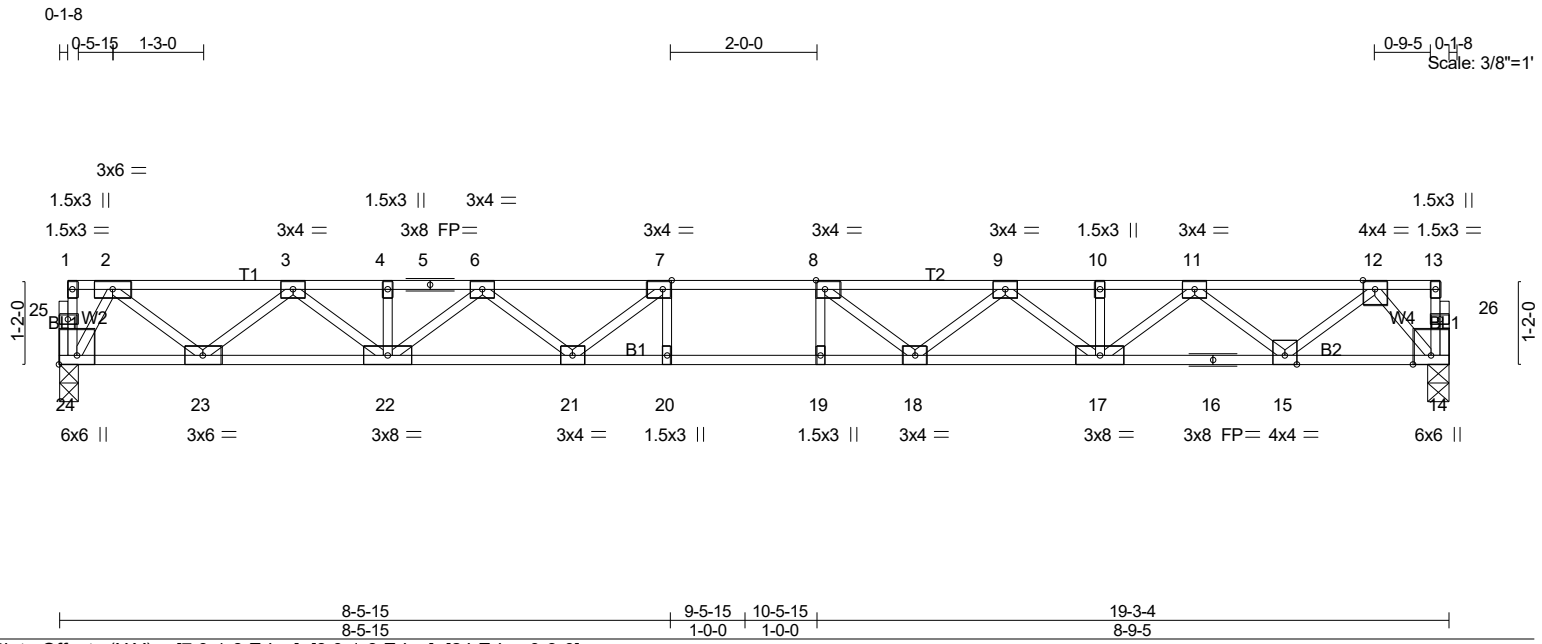

Plate Offsets (X,Y)-- [7:0-1-8,Edge], [8:0-1-8,Edge], [24:Edge,0-3-0]

LOADING (psf)		**SPACING-**	1-7-3	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.46	Vert(LL)	-0.31	19-20	>747	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.92	Vert(CT)	-0.42	19-20	>542	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.50	Horz(CT)	0.07	14	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 98 lb	FT = 20%F, 11%E

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:
2-2-0 oc bracing: 19-20.

REACTIONS. (lb/size) 24=831/0-3-6 (min. 0-1-8), 14=831/0-3-6 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1325/0, 3-4=-2720/0, 4-5=-2720/0, 5-6=-2720/0, 6-7=-3509/0, 7-8=-3788/0, 8-9=-3565/0, 9-10=-2835/0, 10-11=-2835/0, 11-12=-1502/0
BOT CHORD 23-24=0/513, 22-23=0/2114, 21-22=0/3233, 20-21=0/3788, 19-20=0/3788, 18-19=0/3788, 17-18=0/3324, 16-17=0/2263, 15-16=0/2263, 14-15=0/717
WEBS 7-21=-579/9, 6-21=0/454, 6-22=-656/0, 3-22=0/773, 3-23=-1028/0, 2-23=0/1057, 2-24=-1008/0, 8-18=-531/57, 9-18=0/423, 9-17=-624/0, 11-17=0/730, 11-15=-990/0, 12-15=0/1022, 12-14=-1096/0

NOTES- (3)
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.

LOAD CASE(S) Standard

3/3/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 CAMPBELL RIDGE | 311 ALDEN WAY ANGIER, NC
25-2031-F02	F212	FLOOR	5	1	Job Reference (optional) **# 57302**

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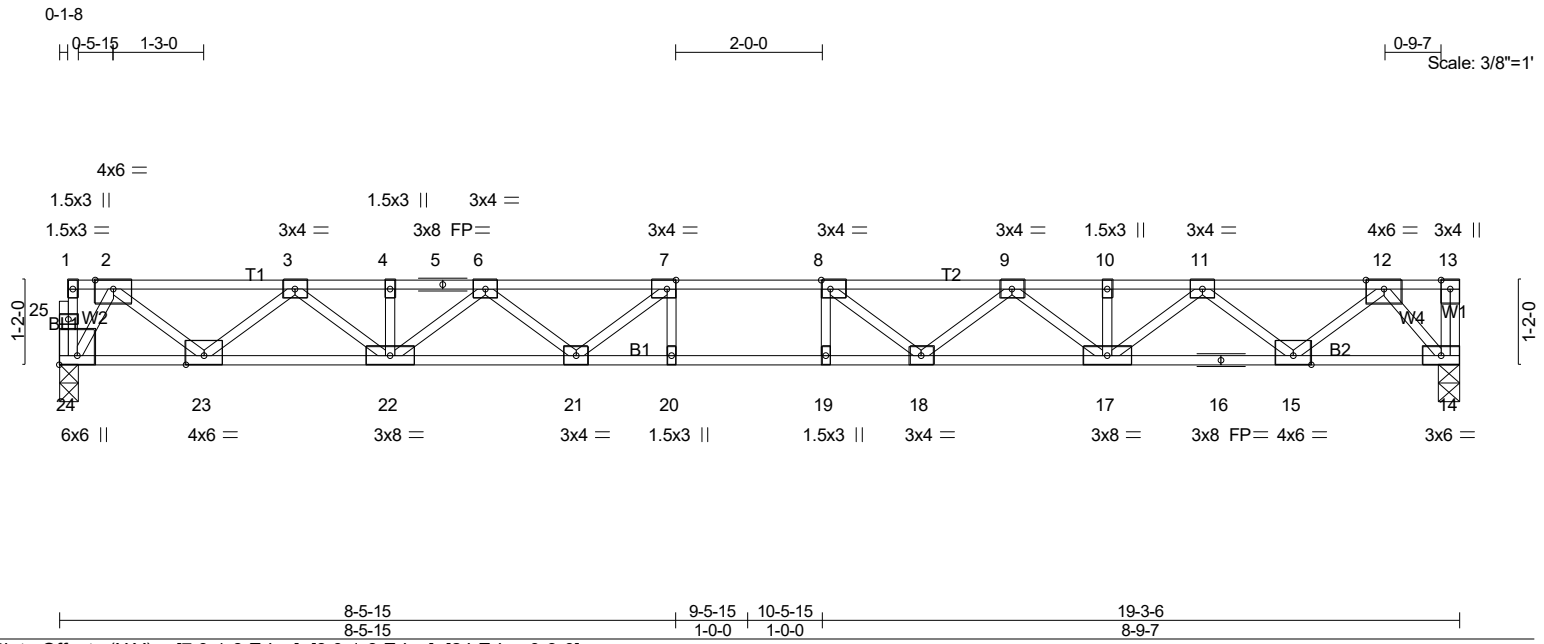

Plate Offsets (X,Y)-- [7:0-1-8,Edge], [8:0-1-8,Edge], [24:Edge,0-3-0]

LOADING (psf)		**SPACING-**	1-9-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.51	Vert(LL)	-0.32	19-20	>718	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.64	Vert(CT)	-0.44	19-20	>522	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.55	Horz(CT)	0.07	14	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 99 lb	FT = 20%F, 11%E

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

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

REACTIONS. (lb/size) 24=910/0-3-6 (min. 0-1-8), 14=916/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1451/0, 3-4=-2978/0, 4-5=-2978/0, 5-6=-2978/0, 6-7=-3844/0, 7-8=-4151/0, 8-9=-3907/0, 9-10=-3109/0, 10-11=-3109/0, 11-12=-1652/0
BOT CHORD 23-24=0/561, 22-23=0/2316, 21-22=0/3542, 20-21=0/4151, 19-20=0/4151, 18-19=0/4151, 17-18=0/3644, 16-17=0/2484, 15-16=0/2484, 14-15=0/793
WEBS 7-21=-638/12, 6-21=0/493, 6-22=-720/0, 3-22=0/846, 3-23=-1126/0, 2-23=0/1158, 2-24=-1103/0, 8-18=-584/66, 9-18=0/459, 9-17=-684/0, 11-17=0/797, 11-15=-1083/0, 12-15=0/1119, 12-14=-1204/0

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

LOAD CASE(S) Standard

3/3/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 CAMPBELL RIDGE | 311 ALDEN WAY ANGIER, NC
25-2031-F02	F213	FLOOR	3	1	Job Reference (optional) **# 57302**

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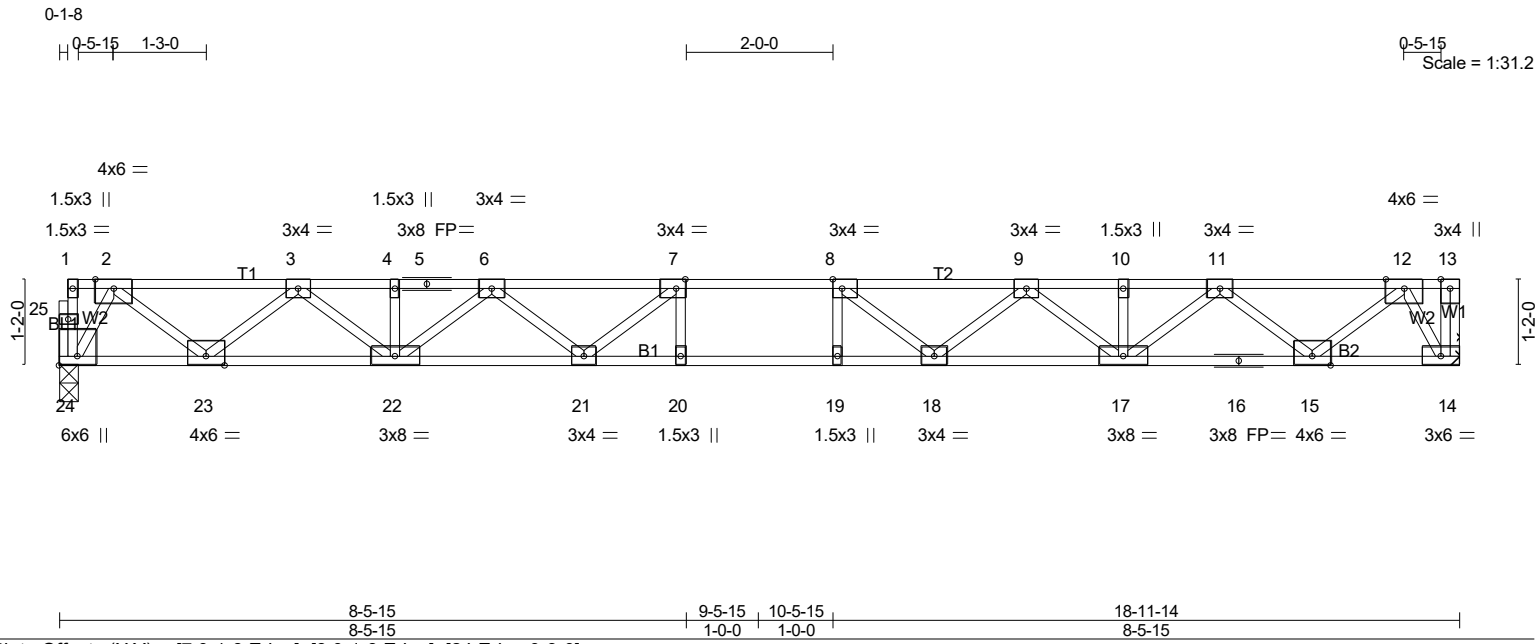

Plate Offsets (X,Y)-- [7:0-1-8,Edge], [8:0-1-8,Edge], [24:Edge,0-3-0]

LOADING (psf)		**SPACING-**	1-9-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.49	Vert(LL)	-0.31	19-20	>717	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.95	Vert(CT)	-0.43	19-20	>520	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.54	Horz(CT)	0.07	14	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 98 lb	FT = 20%F, 11%E

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 2-2-0 oc bracing.

REACTIONS. (lb/size) 24=896/0-3-6 (min. 0-1-8), 14=902/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1426/0, 3-4=-2919/0, 4-5=-2919/0, 5-6=-2919/0, 6-7=-3750/0, 7-8=-4025/0, 8-9=-3750/0, 9-10=-2919/0, 10-11=-2919/0, 11-12=-1426/0
BOT CHORD 23-24=0/553, 22-23=0/2274, 21-22=0/3467, 20-21=0/4025, 19-20=0/4025, 18-19=0/4025, 17-18=0/3467, 16-17=0/2274, 15-16=0/2274, 14-15=0/553
WEBS 7-21=-601/29, 6-21=0/475, 6-22=-700/0, 3-22=0/824, 3-23=-1103/0, 2-23=0/1136, 2-24=-1087/0, 8-18=-601/30, 9-18=0/475, 9-17=-700/0, 11-17=0/824, 11-15=-1103/0, 12-15=0/1136, 12-14=-1082/0

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

LOAD CASE(S) Standard

3/3/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 CAMPBELL RIDGE | 311 ALDEN WAY ANGIER, NC
25-2031-F02	F214	FLOOR	1	1	Job Reference (optional) **# 57302**

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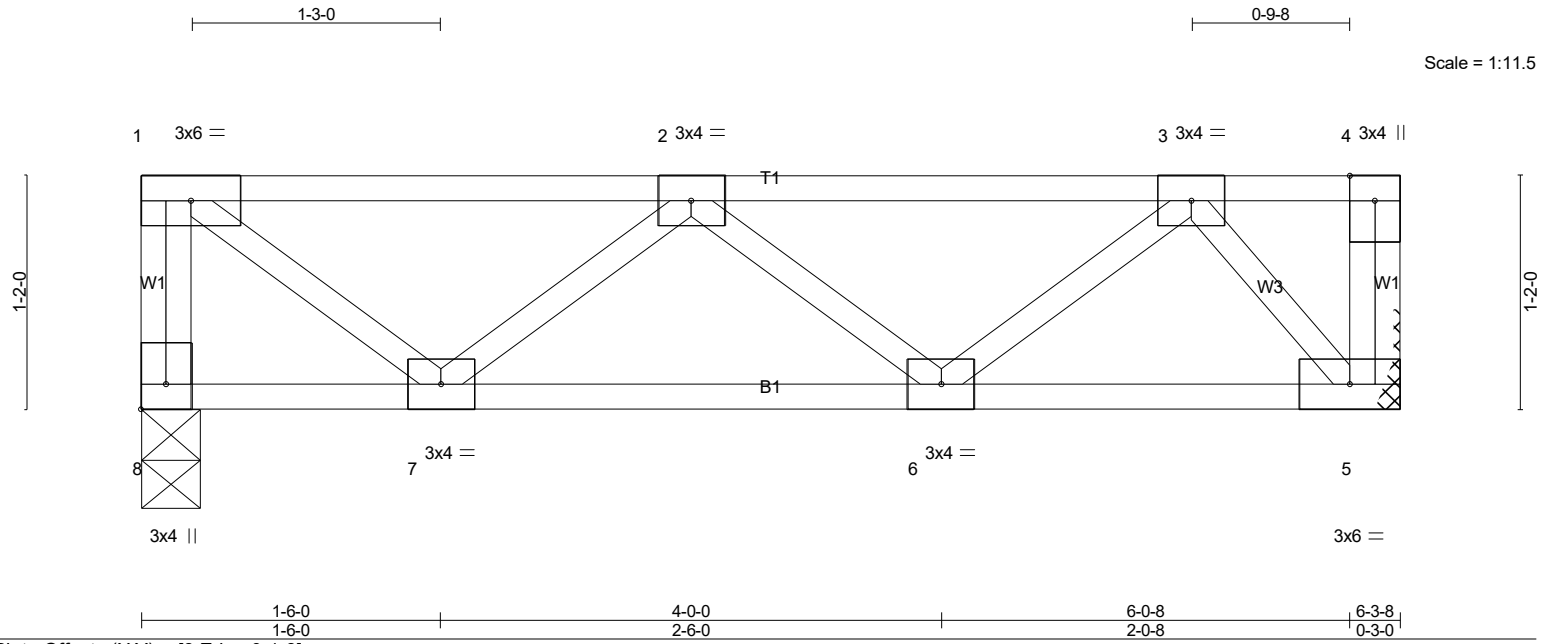

Plate Offsets (X,Y)-- [8:Edge,0-1-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.28	Vert(LL)	-0.01	6	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.12	Vert(CT)	-0.01	6-7	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.18	Horz(CT)	0.00	5	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-P							Weight: 35 lb	FT = 20%F, 11%E

LUMBER-
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) 8=332/0-3-8 (min. 0-1-8), 5=332/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-8=-327/0, 1-2=-295/0, 2-3=-422/0
BOT CHORD 6-7=0/538, 5-6=0/275
WEBS 1-7=0/370, 2-7=-317/0, 3-5=-416/0

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

LOAD CASE(S) Standard

3/3/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 CAMPBELL RIDGE | 311 ALDEN WAY ANGIER, NC
25-2031-F02	F215	FLOOR	6	1	Job Reference (optional) **# 57302**

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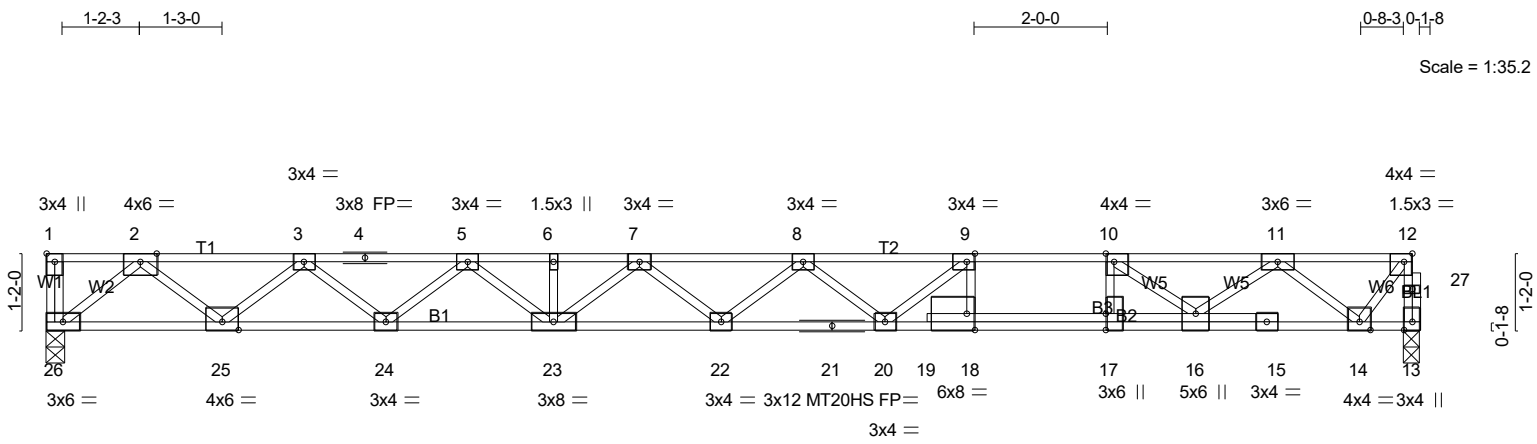

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [9:0-1-8,Edge], [10:0-1-8,Edge], [12:0-1-8,Edge], [17:0-3-0,0-0-0], [18:0-1-8,Edge]

LOADING (psf)		**SPACING-**	1-8-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.73	Vert(LL)	-0.47	22	>529	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.89	Vert(CT)	-0.65	22	>385	360	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.54	Horz(CT)	0.08	13	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 SS(flat) *Except*
B1: 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

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

REACTIONS. (lb/size) 26=951/0-3-8 (min. 0-1-8), 13=945/0-3-6 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 13-27=-948/0, 12-27=-946/0, 2-3=-2017/0, 3-4=-3452/0, 4-5=-3452/0, 5-6=-4385/0, 6-7=-4385/0, 7-8=-4687/0, 8-9=-4455/0, 9-10=-3942/0, 10-11=-2568/0, 11-12=-684/0
BOT CHORD 25-26=0/1139, 24-25=0/2867, 23-24=0/4014, 22-23=0/4640, 21-22=0/4724, 20-21=0/4724, 19-20=0/3942, 18-19=0/3911, 17-18=0/3942, 16-17=0/3942, 15-16=0/1708, 14-15=0/1710
WEBS 9-18=-616/0, 10-17=0/828, 9-20=-25/799, 8-20=-399/36, 7-23=-326/0, 5-23=0/473, 5-24=-732/0, 3-24=0/762, 3-25=-1107/0, 2-25=0/1143, 2-26=-1456/0, 10-16=-1714/0, 11-16=0/1091, 11-14=-1335/0, 12-14=0/1079

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

LOAD CASE(S) Standard

3/3/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 CAMPBELL RIDGE | 311 ALDEN WAY ANGIER, NC
25-2031-F02	F216	FLOOR SUPPORTED GABL	1	1	Job Reference (optional) **# 57302**

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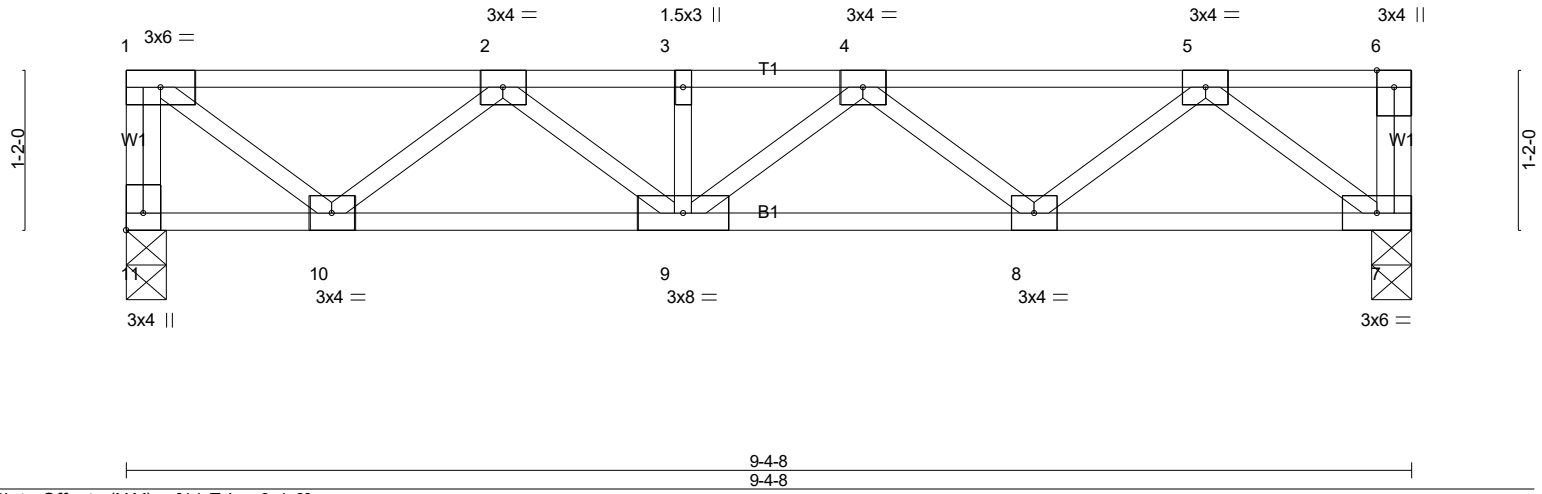

9-4-8
9-4-8

Plate Offsets (X,Y)-- [11: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	0.32	Vert(LL)	-0.02	9	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.24	Vert(CT)	-0.03	8-9	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.31	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, Except: 6-0-0 oc bracing: 10-11.

REACTIONS. (lb/size) 11=502/0-3-8 (min. 0-1-8), 7=502/0-3-8 (min. 0-1-8)
Max Uplift 11=-56(LC 6), 7=-56(LC 7)
Max Grav 11=528(LC 3), 7=528(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-11=-523/60, 1-2=-562/78, 2-3=-1072/0, 3-4=-1072/0, 4-5=-870/6
BOT CHORD 9-10=-14/954, 8-9=0/1109, 7-8=-75/627
WEBS 1-10=-121/723, 2-10=-648/149, 2-9=-206/315, 4-9=-253/254, 4-8=-434/199, 5-8=-153/479, 5-7=-804/118

NOTES- (5)
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 56 lb uplift at joint 11 and 56 lb uplift at joint 7.
3) This truss has been designed for a total drag load of 150 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 9-4-8 for 150.0 plf.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

3/3/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 CAMPBELL RIDGE | 311 ALDEN WAY ANGIER, NC
25-2031-F02	F217	Floor	3	1	Job Reference (optional) **# 57302**

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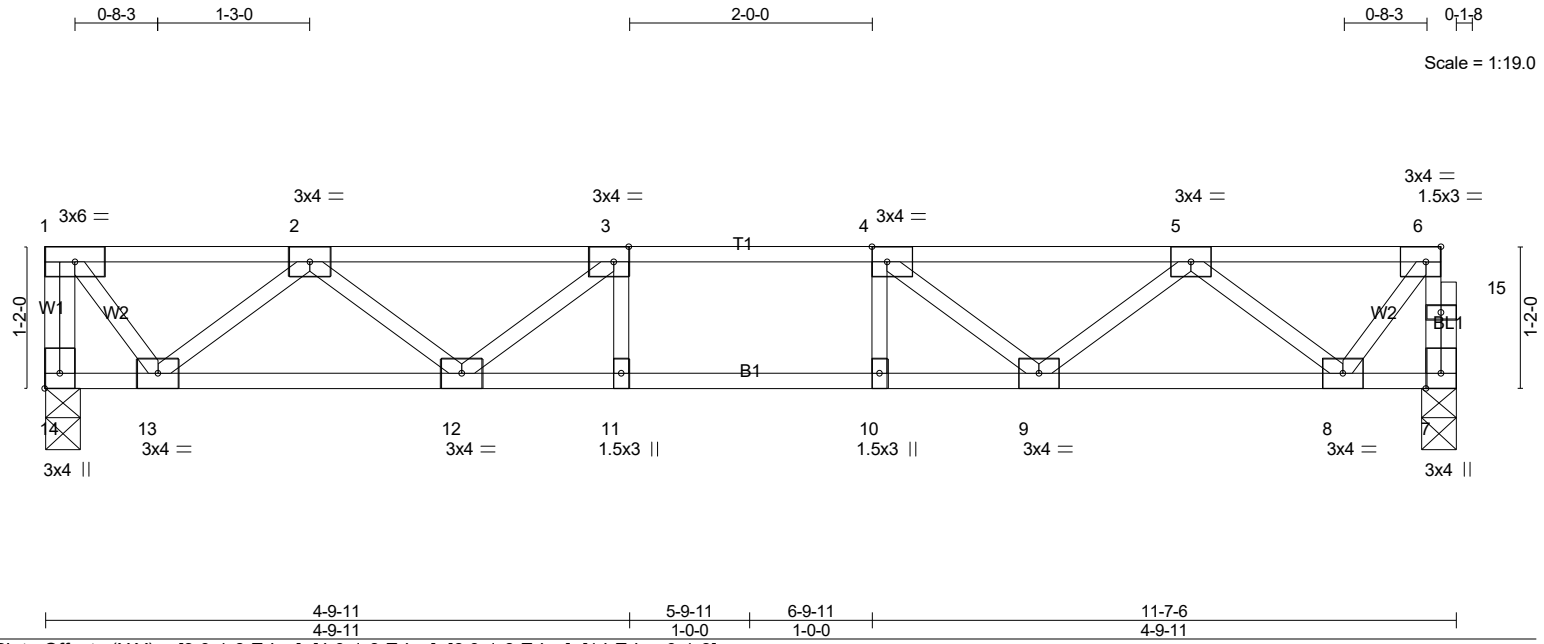

Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [6:0-1-8,Edge], [14:Edge,0-1-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.26	Vert(LL)	-0.08	9-10	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.50	Vert(CT)	-0.09	9-10	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.33	Horz(CT)	0.02	7	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 60 lb	FT = 20%F, 11%E

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

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

REACTIONS. (lb/size) 14=625/0-3-8 (min. 0-1-8), 7=619/0-3-6 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-14=-624/0, 7-15=-619/0, 6-15=-618/0, 1-2=-424/0, 2-3=-1373/0, 3-4=-1681/0, 4-5=-1373/0, 5-6=-426/0
BOT CHORD 12-13=0/1056, 11-12=0/1681, 10-11=0/1681, 9-10=0/1681, 8-9=0/1055
WEBS 3-12=-476/0, 2-12=0/413, 2-13=-822/0, 1-13=0/693, 4-9=-476/0, 5-9=0/414, 5-8=-818/0, 6-8=0/669

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

LOAD CASE(S) Standard

3/3/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 CAMPBELL RIDGE | 311 ALDEN WAY ANGIER, NC
25-2031-F02	F218	Floor Supported Gable	1	1	Job Reference (optional) **# 57302**

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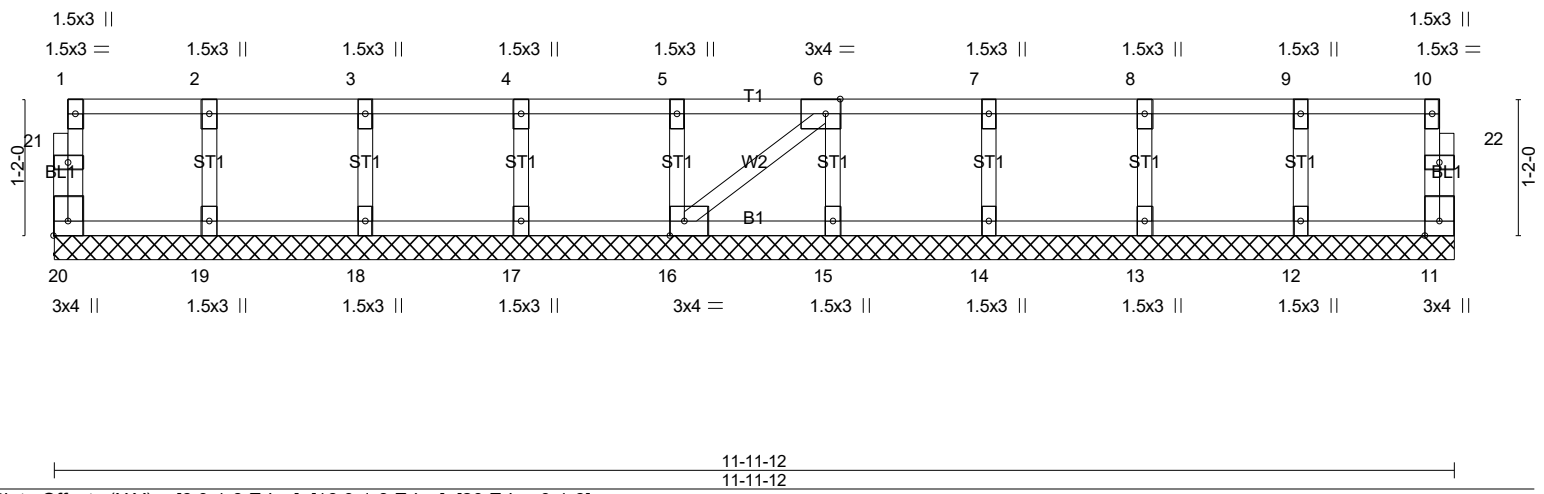

11-11-12
11-11-12

Plate Offsets (X,Y)-- [6:0-1-8,Edge], [16:0-1-8,Edge], [20:Edge,0-1-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	11	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 53 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 11-11-12.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 20, 11, 19, 18, 17, 16, 15, 14, 13, 12

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

NOTES- (5)
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

3/3/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0013 CAMPBELL RIDGE | 311 ALDEN WAY ANGIER, NC
25-2031-F02	F219	Floor	4	1	# 57302
					Job Reference (optional)

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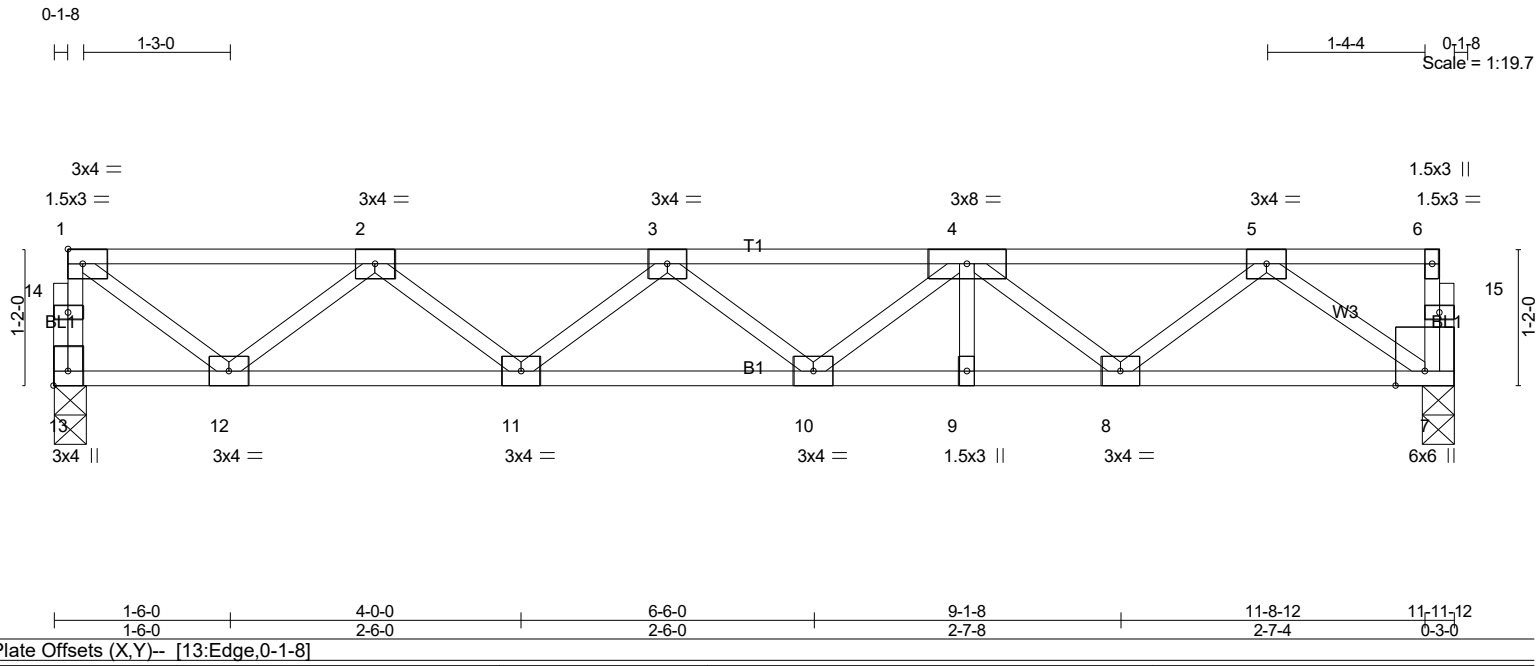

Plate Offsets (X,Y)-- [13:Edge,0-1-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.27	Vert(LL)	-0.06	10	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.35	Vert(CT)	-0.08	10-11	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.41	Horz(CT)	0.02	7	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 62 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=639/0-3-6 (min. 0-1-8), 7=639/0-3-6 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 13-14=-634/0, 1-14=-633/0, 1-2=-705/0, 2-3=-1584/0, 3-4=-1769/0, 4-5=-1266/0
BOT CHORD 11-12=0/1317, 10-11=0/1821, 9-10=0/1687, 8-9=0/1687, 7-8=0/831
WEBS 1-12=0/852, 2-12=-795/0, 2-11=0/348, 3-11=-308/0, 4-8=-537/0, 5-8=0/566, 5-7=-1013/0

NOTES- (2)
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.

LOAD CASE(S) Standard

3/3/2025