Mark Morris, P.E.

#126, 1317-M, Summerville, SC 29483
843 209-5784, Fax (866)-213-4614

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 #: 56557
JOB: 25-0890-F02
JOB NAME: LOT 0.0004 CAMPBELL RIDGE
Wind Code: N/A
Wind Speed: Vult= N/A
Exposure Category: N/A
Mean Roof Height (feet): N/A
These truss designs comply with IRC 2018 as well as IRC 2021.
28 Truss Design(s)

Trusses:
F201, F202, F203, F204, F205, F206, F207, F208, F209, F210, F211, F212, F213, F214, F215, F216, F217, F218, F219, F220, F221, F222, F223, F224, F225, F226, F227, F228

2/4/2025
Mark Morris

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

This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult 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 0.0004 CAMPBELL RIDGE | 138 ALDEN WAY ANGIER, NC
25-0890-F02	F201	Floor Supported Gable	1	1	Job Reference (optional) **# 56557**

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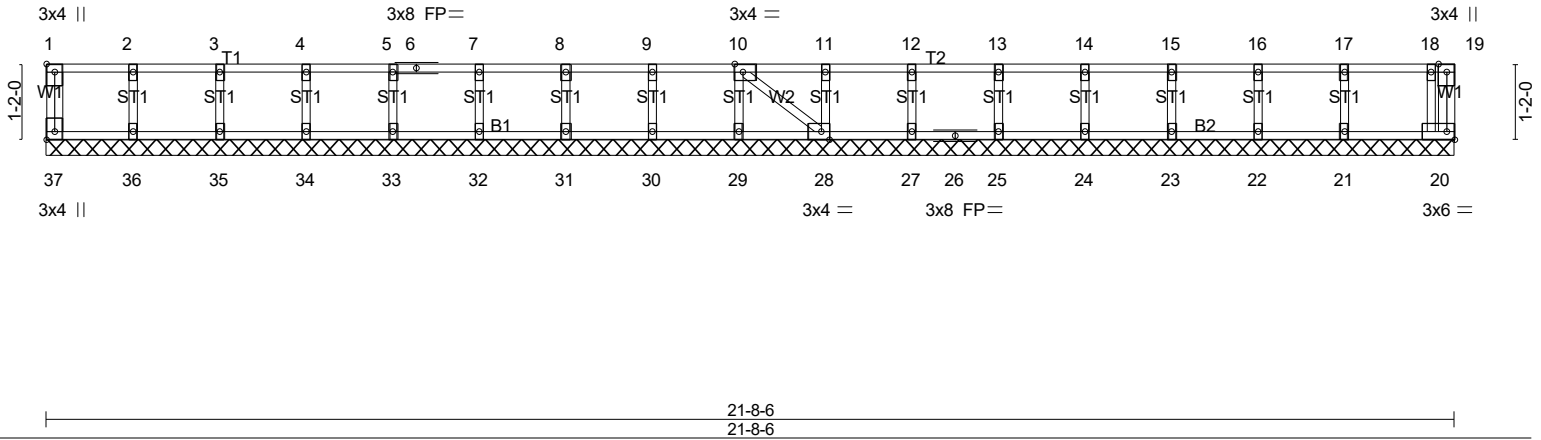

21-8-6
21-8-6

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [10:0-1-8,Edge], [28:0-1-8,Edge], [37: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	20	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 94 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 21-8-6.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 37, 20, 36, 35, 34, 33, 32, 31, 30, 29, 28, 27, 25, 24, 23, 22, 21

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

2/4/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0004 CAMPBELL RIDGE | 138 ALDEN WAY ANGIER, NC
25-0890-F02	F202	FLOOR	9	1	# 56557
					Job Reference (optional)

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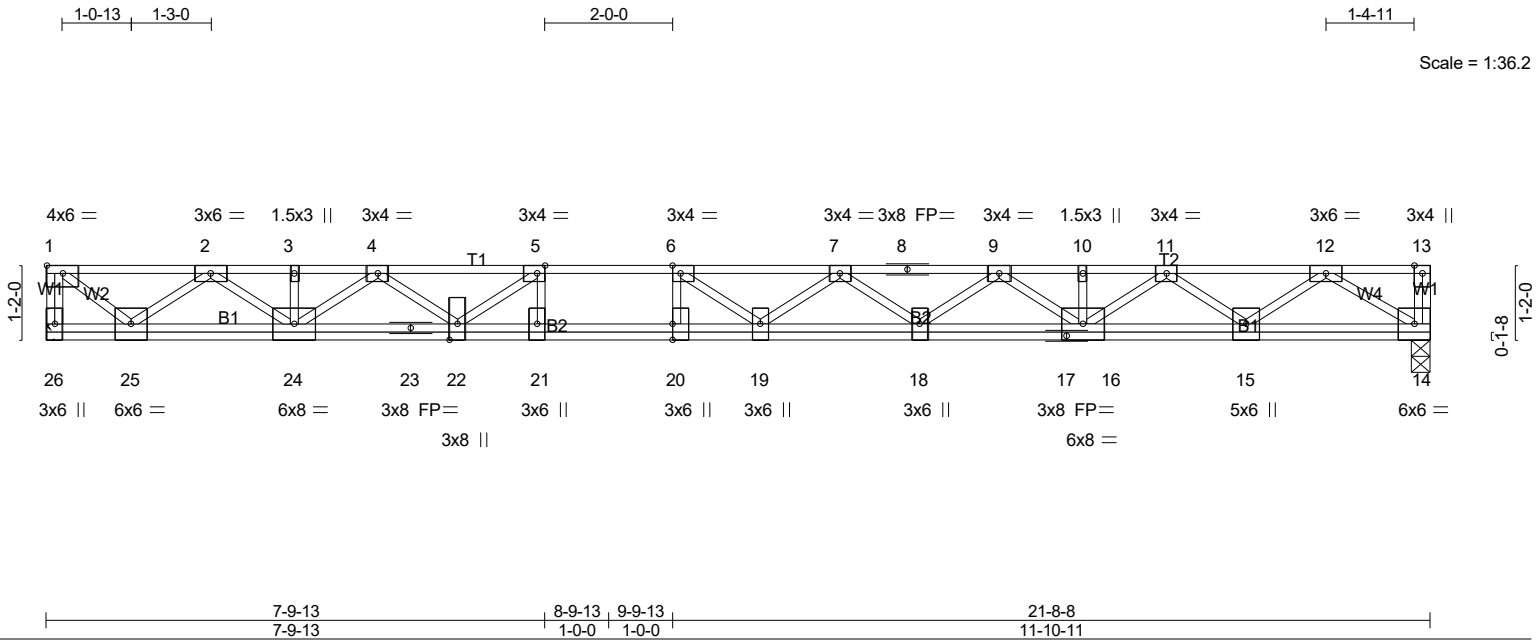

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [5:0-1-8,Edge], [6:0-1-8,Edge], [20:0-3-0,Edge]

LOADING (psf)		SPACING-	1-7-3	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.76	Vert(LL)	-0.44	19-20	>586	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.77	Vert(CT)	-0.60	19-20	>426	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.64	Horz(CT)	0.05	14	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 139 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 4-6-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 26=944/Mechanical, 14=944/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-26=-929/0, 1-2=-1033/0, 2-3=-2954/0, 3-4=-2954/0, 4-5=-4194/0, 5-6=-4918/0, 6-7=-5086/0, 7-8=-4728/0, 8-9=-4728/0, 9-10=-3812/0, 10-11=-3812/0, 11-12=-2269/0
BOT CHORD 24-25=0/2106, 23-24=0/3700, 22-23=0/3700, 21-22=0/4918, 20-21=0/4918, 19-20=0/4918, 18-19=0/5053, 17-18=0/4392, 16-17=0/4392, 15-16=0/3142, 14-15=0/1371
WEBS 5-21=-44/477, 6-20=-437/81, 5-22=-1058/0, 4-22=0/646, 4-24=-930/0, 2-24=0/1058, 2-25=-1363/0, 1-25=0/1336, 6-19=-308/497, 7-19=-90/255, 7-18=-412/0, 9-18=0/427, 9-16=-724/0, 11-16=0/836, 11-15=-1109/0, 12-15=0/1141, 12-14=-1632/0

NOTES- (4-5)
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
3) Required 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

2/4/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0004 CAMPBELL RIDGE | 138 ALDEN WAY ANGIER, NC
25-0890-F02	F203	Floor	1	1	# 56557
					Job Reference (optional)

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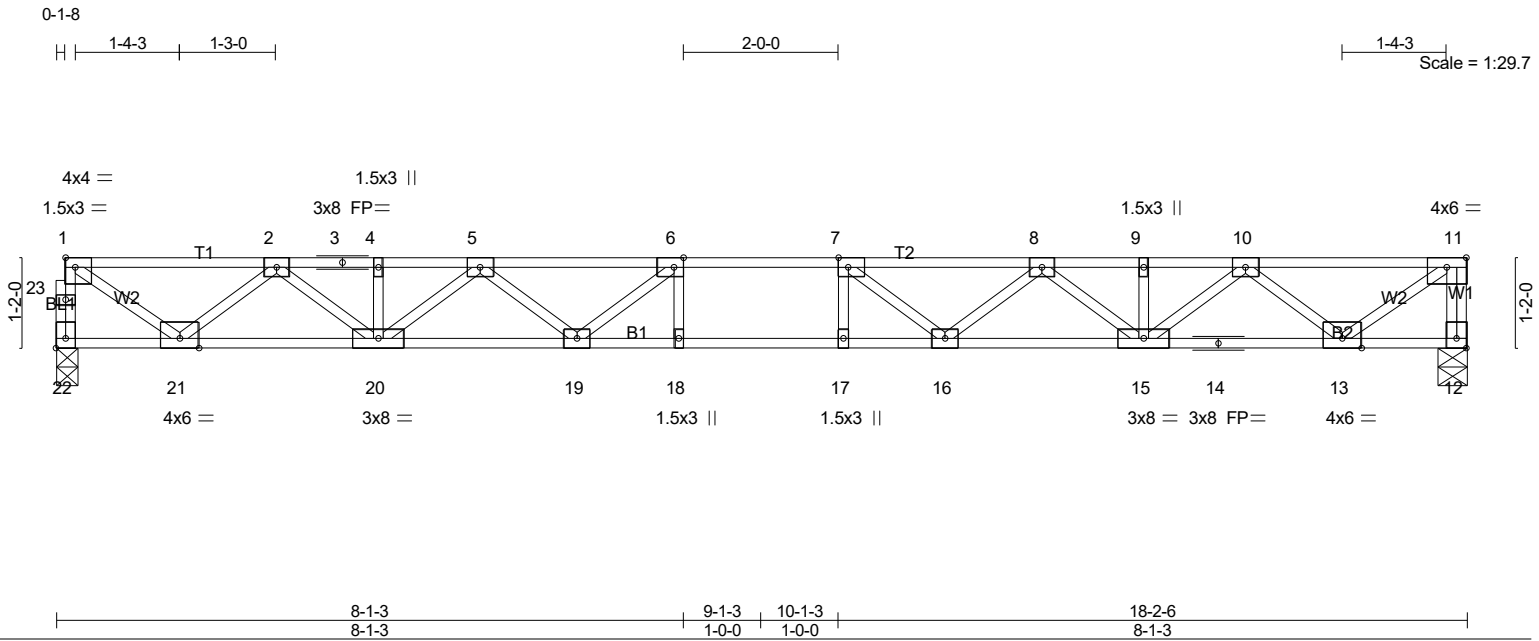

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [6:0-1-8,Edge], [7:0-1-8,Edge], [12:Edge,0-1-8], [22:Edge,0-1-8]

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	0.40	Vert(LL)	-0.24	17-18	>882	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.81	Vert(CT)	-0.34	17-18	>640	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.57	Horz(CT)	0.06	12	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 92 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) 22=784/0-3-6 (min. 0-1-8), 12=789/0-4-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 22-23=-779/0, 1-23=-778/0, 11-12=-783/0, 1-2=-982/0, 2-3=-2358/0, 3-4=-2358/0, 4-5=-2358/0, 5-6=-3121/0, 6-7=-3372/0, 7-8=-3121/0, 8-9=-2357/0, 9-10=-2357/0, 10-11=-980/0
BOT CHORD 20-21=0/1790, 19-20=0/2864, 18-19=0/3372, 17-18=0/3372, 16-17=0/3372, 15-16=0/2864, 14-15=0/1792, 13-14=0/1792
WEBS 6-19=-531/9, 5-19=0/423, 5-20=-646/0, 2-20=0/725, 2-21=-1052/0, 1-21=0/1162, 7-16=-531/10, 8-16=0/423, 8-15=-647/0, 10-15=0/721, 10-13=-1057/0, 11-13=0/1200

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

2/4/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0004 CAMPBELL RIDGE | 138 ALDEN WAY ANGIER, NC
25-0890-F02	F204	Floor	5	1	# 56557
					Job Reference (optional)

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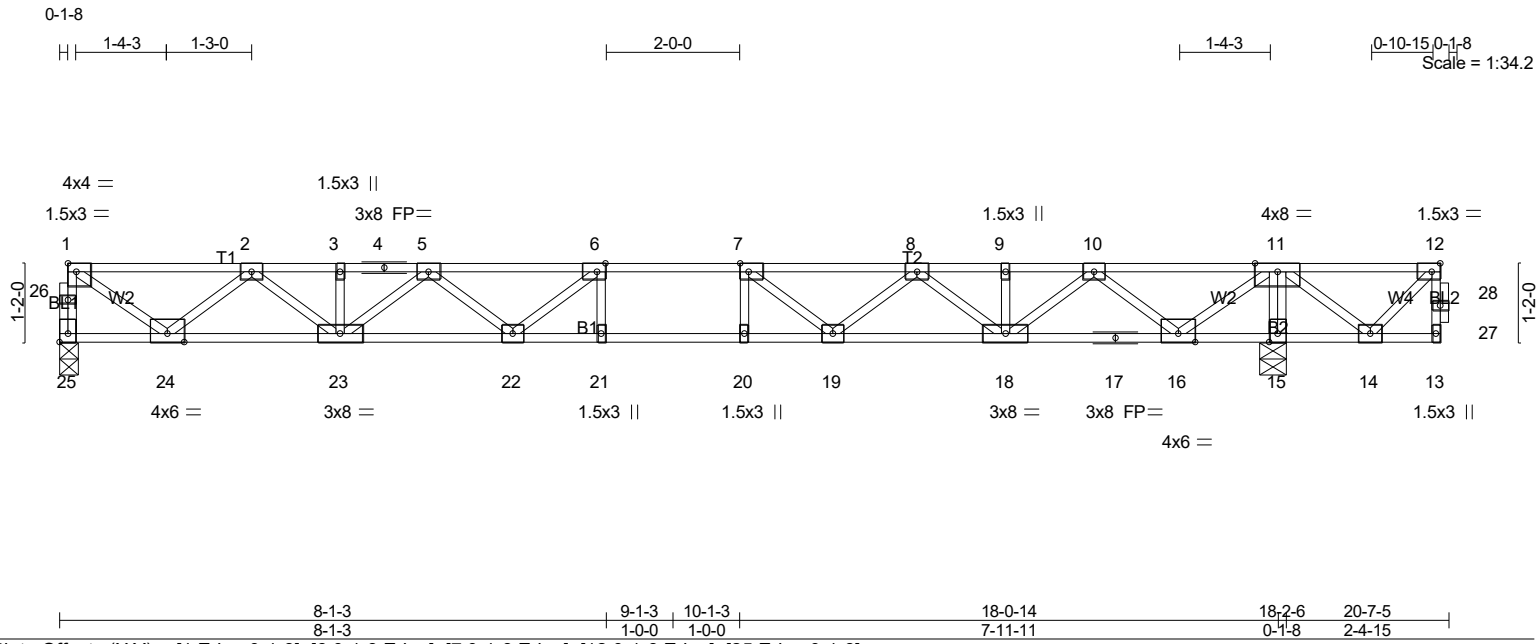

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [6:0-1-8,Edge], [7:0-1-8,Edge], [12:0-1-8,Edge], [25:Edge,0-1-8]

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	0.41	Vert(LL)	-0.24	20-21	>882	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.83	Vert(CT)	-0.33	20-21	>646	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.55	Horz(CT)	0.06	15	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 106 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: 15-16,14-15.

REACTIONS. (lb/size) 25=771/0-3-6 (min. 0-1-8), 15=1009/0-4-8 (min. 0-1-8)
Max Grav 25=781(LC 3), 15=1009(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 25-26=-776/0, 1-26=-775/0, 1-2=-976/0, 2-3=-2343/0, 3-4=-2343/0, 4-5=-2343/0, 5-6=-3098/0, 6-7=-3341/0, 7-8=-3081/0, 8-9=-2312/0, 9-10=-2312/0, 10-11=-930/0
BOT CHORD 23-24=0/1780, 22-23=0/2846, 21-22=0/3341, 20-21=0/3341, 19-20=0/3341, 18-19=0/2818, 17-18=0/1726, 16-17=0/1726
WEBS 11-15=-982/0, 6-22=-521/48, 5-22=0/416, 5-23=-641/0, 2-23=0/719, 2-24=-1046/0, 1-24=0/1156, 7-19=-570/0, 8-19=0/447, 8-18=-657/0, 10-18=0/776, 10-16=-1036/0, 11-16=0/1163

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

2/4/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0004 CAMPBELL RIDGE | 138 ALDEN WAY ANGIER, NC
25-0890-F02	F205	Floor	2	1	# 56557
					Job Reference (optional)

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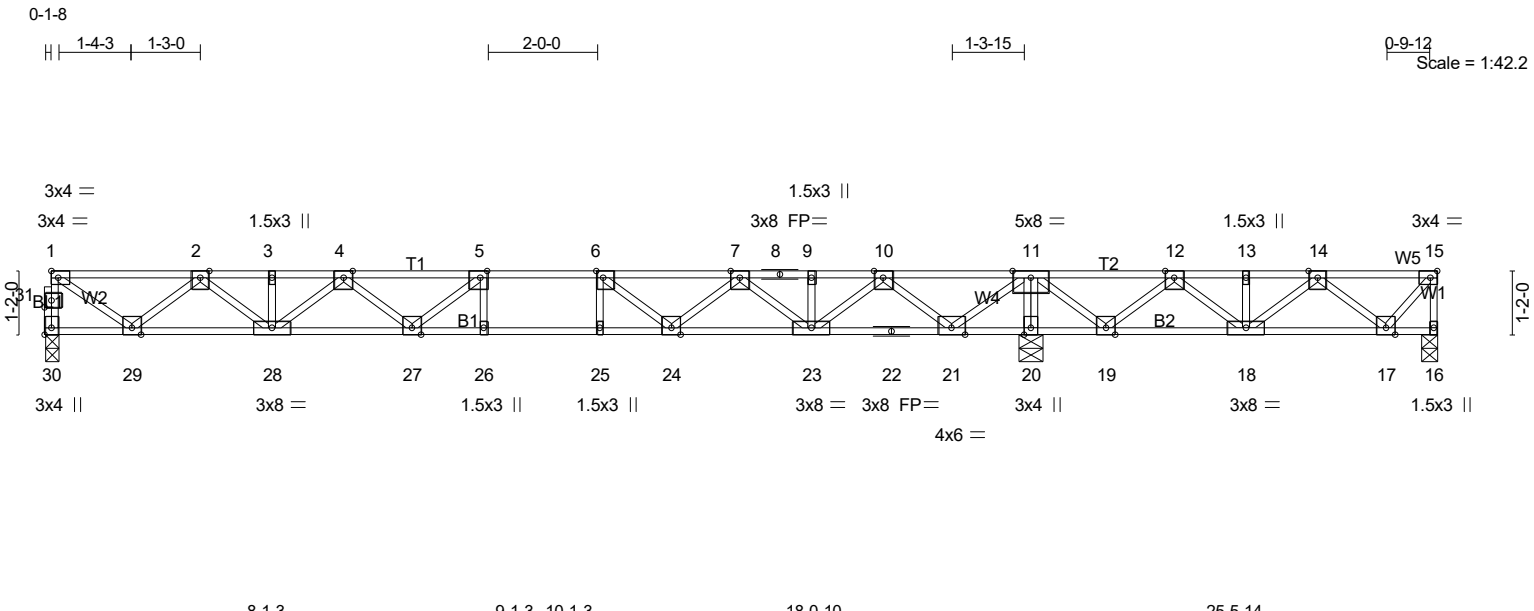

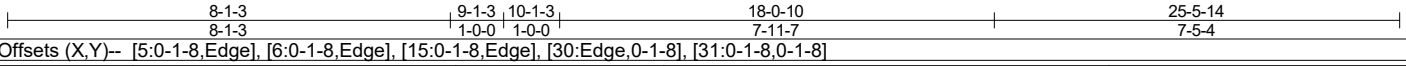

Plate Offsets (X,Y)-- [5:0-1-8,Edge], [6:0-1-8,Edge], [15:0-1-8,Edge], [30:Edge,0-1-8], [31:0-1-8,0-1-8]

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	0.48	Vert(LL)	-0.21	26-27	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.90	Vert(CT)	-0.28	26-27	>759	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.64	Horz(CT)	0.03	20	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 130 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) 30=661/0-3-6 (min. 0-1-8), 16=26/0-3-8 (min. 0-1-8), 20=1534/0-5-8 (min. 0-1-8)
Max Uplift16=-196(LC 3)
Max Grav 30=666(LC 3), 16=229(LC 4), 20=1534(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 30-31=-663/0, 1-31=-661/0, 1-2=-817/0, 2-3=-1896/0, 3-4=-1896/0, 4-5=-2375/0, 5-6=-2363/0, 6-7=-1847/0, 7-8=-803/0, 8-9=-803/0, 9-10=-803/0, 10-11=0/953, 11-12=0/1531, 12-13=-258/771, 13-14=-258/771
BOT CHORD 28-29=0/1483, 27-28=0/2283, 26-27=0/2363, 25-26=0/2363, 24-25=0/2363, 23-24=0/1424, 20-21=-2031/0, 19-20=-2034/0, 18-19=-1153/125, 17-18=-445/305
WEBS 11-20=-1499/0, 4-28=-495/0, 2-28=0/527, 2-29=-866/0, 1-29=0/966, 6-24=-726/0, 7-24=0/561, 7-23=-798/0, 10-23=0/963, 10-21=-1213/0, 11-21=0/1337, 11-19=0/811, 12-19=-759/0, 12-18=0/508, 14-18=-415/0, 14-17=-223/351, 15-17=-273/207

NOTES- (6-7)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 4x4 MT20 unless otherwise indicated.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 196 lb uplift at joint 16.
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

2/4/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0004 CAMPBELL RIDGE | 138 ALDEN WAY ANGIER, NC
25-0890-F02	F206	Floor	5	1	# 56557
					Job Reference (optional)

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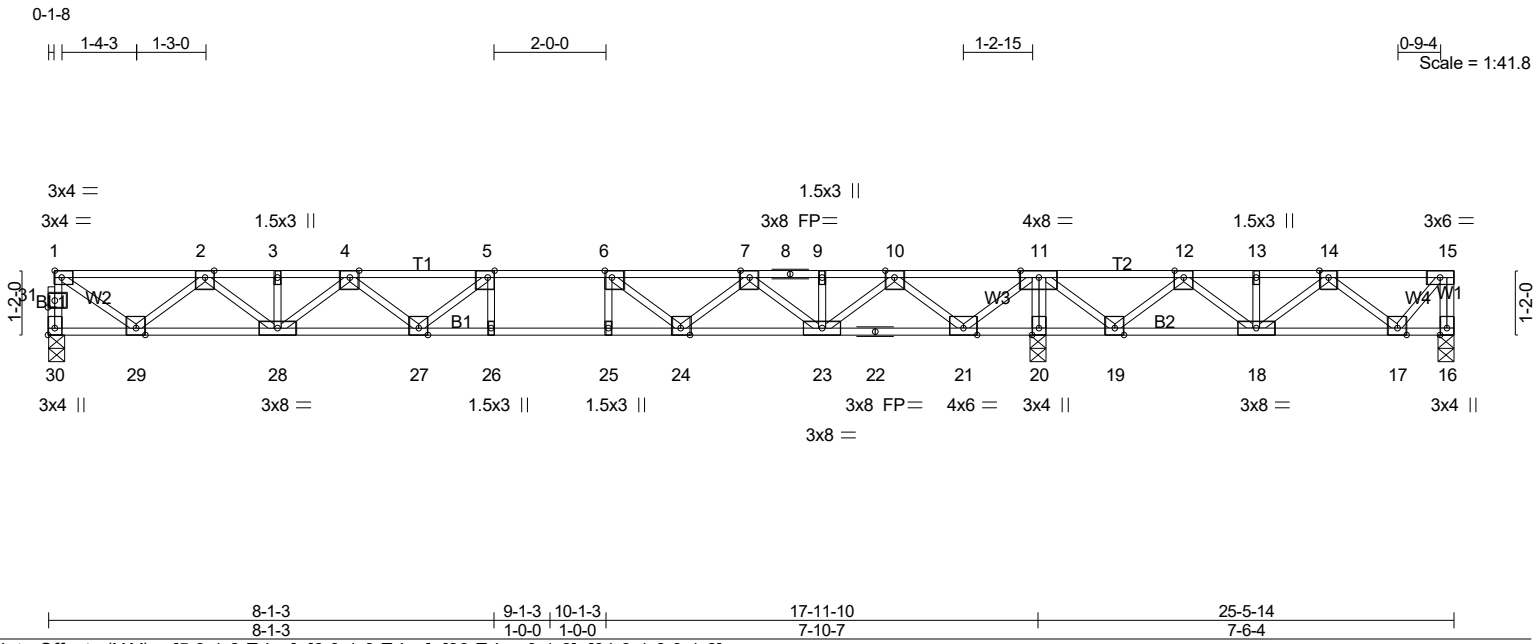

Plate Offsets (X,Y)-- [5:0-1-8,Edge], [6:0-1-8,Edge], [30:Edge,0-1-8], [31:0-1-8,0-1-8]

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	0.48	Vert(LL)	-0.21	26-27	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.91	Vert(CT)	-0.28	26-27	>760	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.61	Horz(CT)	0.03	20	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 131 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) 30=658/0-3-6 (min. 0-1-8), 16=32/0-3-8 (min. 0-1-8), 20=1524/0-3-8 (min. 0-1-8)
Max Uplift16=-190(LC 3)
Max Grav 30=664(LC 3), 16=231(LC 4), 20=1524(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 30-31=-660/0, 1-31=-659/0, 1-2=-814/0, 2-3=-1887/0, 3-4=-1887/0, 4-5=-2361/0, 5-6=-2342/0, 6-7=-1822/0, 7-8=-772/0, 8-9=-772/0, 9-10=-772/0, 10-11=0/989, 11-12=0/1506, 12-13=-264/758, 13-14=-264/758
BOT CHORD 28-29=0/1477, 27-28=0/2272, 26-27=0/2342, 25-26=0/2342, 24-25=0/2342, 23-24=0/1395, 20-21=-2003/0, 19-20=-2003/0, 18-19=-1133/133, 17-18=-439/311
WEBS 11-20=-1490/0, 4-28=-492/0, 2-28=0/523, 2-29=-863/0, 1-29=0/962, 6-24=-730/0, 7-24=0/566, 7-23=-800/0, 10-23=0/971, 10-21=-1211/0, 11-21=0/1286, 11-19=0/805, 12-19=-753/0, 12-18=0/500, 14-18=-408/0, 14-17=-226/343, 15-17=-269/211

NOTES- (6-7)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 4x4 MT20 unless otherwise indicated.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 190 lb uplift at joint 16.
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

2/4/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0004 CAMPBELL RIDGE | 138 ALDEN WAY ANGIER, NC
25-0890-F02	F207	Floor	1	1	# 56557
					Job Reference (optional)

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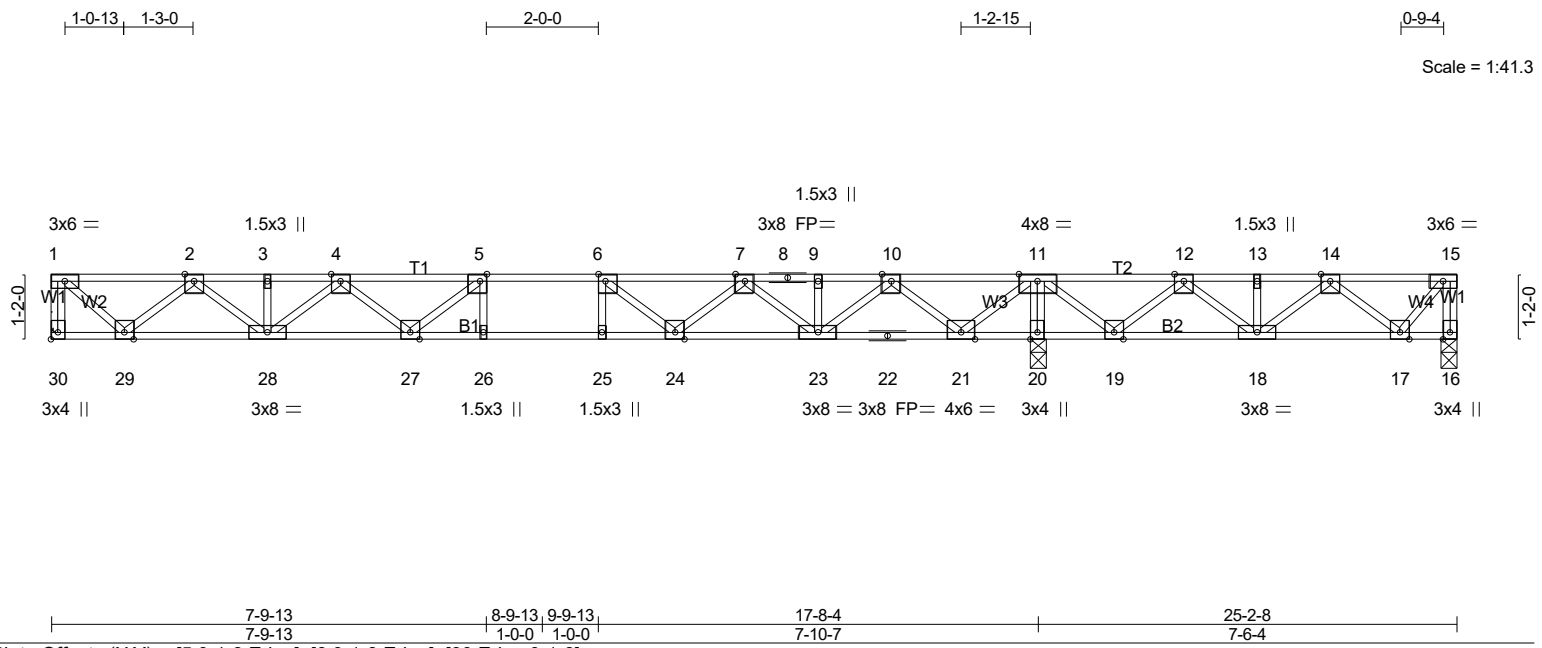


Plate Offsets (X,Y)-- [5:0-1-8,Edge], [6:0-1-8,Edge], [30:Edge,0-1-8]

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	0.46	Vert(LL)	-0.19	26-27	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.86	Vert(CT)	-0.26	26-27	>813	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.60	Horz(CT)	0.03	20	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 131 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)

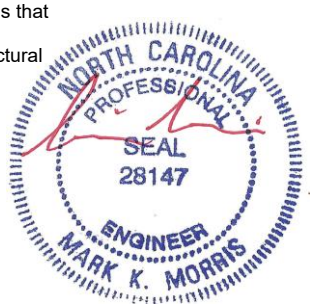
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size) 30=652/Mechanical, 16=40/0-3-8 (min. 0-1-8), 20=1503/0-3-8 (min. 0-1-8)
Max Uplift16=-182(LC 3)
Max Grav 30=658(LC 3), 16=233(LC 4), 20=1503(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-30=-655/0, 1-2=-658/0, 2-3=-1763/0, 3-4=-1763/0, 4-5=-2268/0, 5-6=-2281/0, 6-7=-1791/0, 7-8=-775/0, 8-9=-775/0, 9-10=-775/0, 10-11=0/952, 11-12=0/1462, 12-13=-271/732, 13-14=-271/732
BOT CHORD 28-29=0/1325, 27-28=0/2159, 26-27=0/2281, 25-26=0/2281, 24-25=0/2281, 23-24=0/1384, 20-21=-1949/0, 19-20=-1949/0, 18-19=-1097/142, 17-18=-423/315
WEBS 11-20=-1469/0, 4-28=-506/0, 2-28=0/559, 2-29=-868/0, 1-29=0/873, 6-24=-694/0, 7-24=0/541, 7-23=-783/0, 10-23=0/948, 10-21=-1190/0, 11-21=0/1264, 11-19=0/792, 12-19=-741/0, 12-18=0/488, 14-18=-395/0, 14-17=-229/331, 15-17=-259/214

NOTES- (7-8)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 4x4 MT20 unless otherwise indicated.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 182 lb uplift at joint 16.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) CAUTION, Do not erect truss backwards.
7) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
8) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard



2/4/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0004 CAMPBELL RIDGE | 138 ALDEN WAY ANGIER, NC
25-0890-F02	F208	Floor	6	1	# 56557
					Job Reference (optional)

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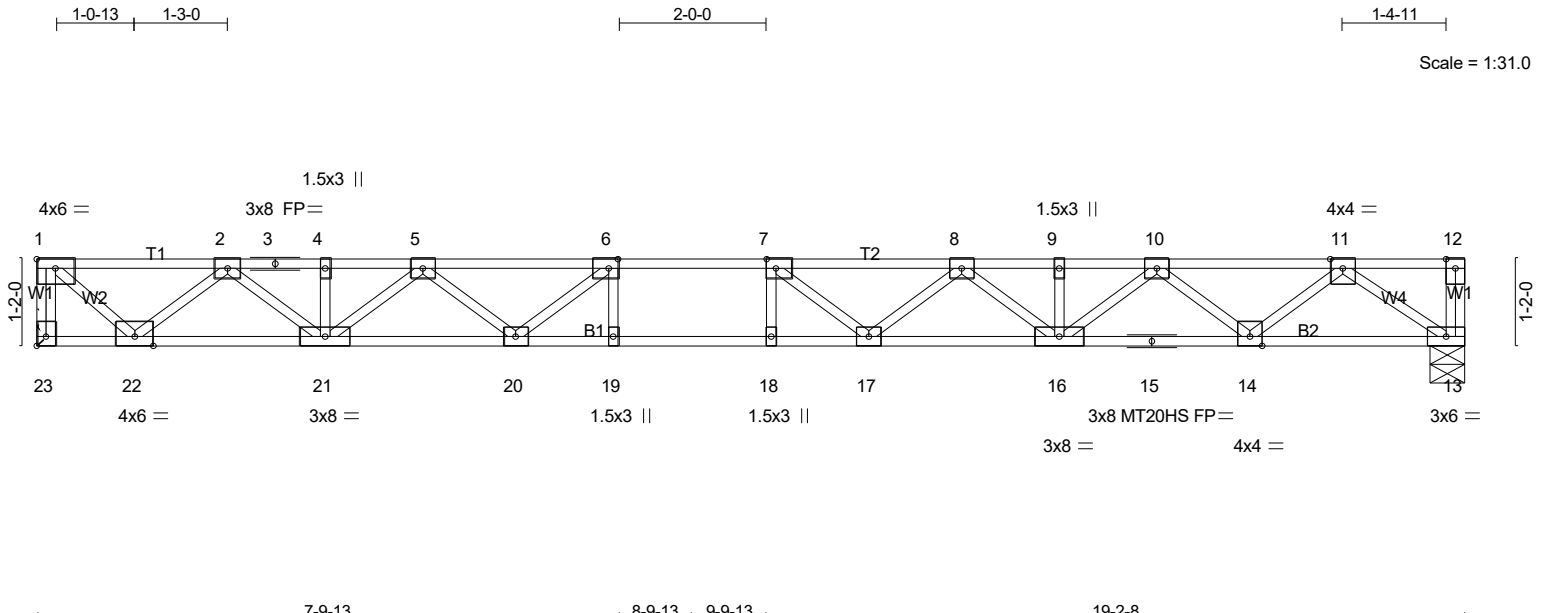

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [6:0-1-8,Edge], [7:0-1-8,Edge], [23:Edge,0-1-8]

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	0.51	Vert(LL)	-0.31	18	>730	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.67	Vert(CT)	-0.43	17-18	>531	360	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.54	Horz(CT)	0.06	13	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 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) 23=834/Mechanical, 13=834/0-5-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-23=-828/0, 1-2=-856/0, 2-3=-2403/0, 3-4=-2403/0, 4-5=-2403/0, 5-6=-3331/0, 6-7=-3738/0, 7-8=-3643/0, 8-9=-3048/0, 9-10=-3048/0, 10-11=-1861/0
BOT CHORD 21-22=0/1735, 20-21=0/2978, 19-20=0/3738, 18-19=0/3738, 17-18=0/3738, 16-17=0/3480, 15-16=0/2552, 14-15=0/2552, 13-14=0/1140
WEBS 6-20=-694/0, 5-20=0/520, 5-21=-734/0, 2-21=0/852, 2-22=-1145/0, 1-22=0/1136, 7-17=-424/172, 8-17=0/352, 8-16=-552/0, 10-16=0/633, 10-14=-900/0, 11-14=0/938, 11-13=-1383/0

NOTES- (6-7)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) All plates are 3x4 MT20 unless otherwise indicated.
4) Refer to girder(s) for truss to truss connections.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
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

2/4/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0004 CAMPBELL RIDGE | 138 ALDEN WAY ANGIER, NC
25-0890-F02	F209	Floor Supported Gable	1	1	Job Reference (optional) **# 56557**

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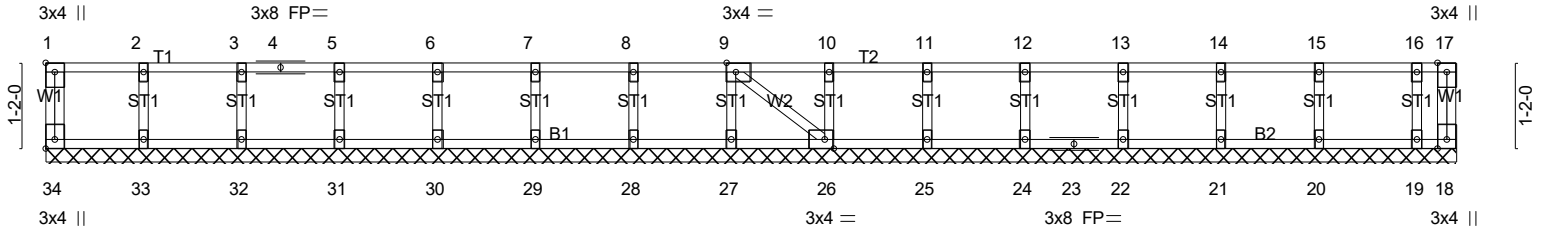

19-2-6
19-2-6

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [9:0-1-8,Edge], [26:0-1-8,Edge], [34:Edge,0-1-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.06	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	26	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 84 lb	FT = 20%F, 11%E

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

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

REACTIONS. All bearings 19-2-6.
(lb) - Max Uplift All uplift 100 lb or less at joint(s) 18
Max Grav All reactions 250 lb or less at joint(s) 34, 18, 33, 32, 31, 30, 29, 28, 27, 26, 25, 24, 22, 21, 20, 19

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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 18.
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

2/4/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0004 CAMPBELL RIDGE | 138 ALDEN WAY ANGIER, NC
25-0890-F02	F210	Floor Supported Gable	1	1	Job Reference (optional) **# 56557**

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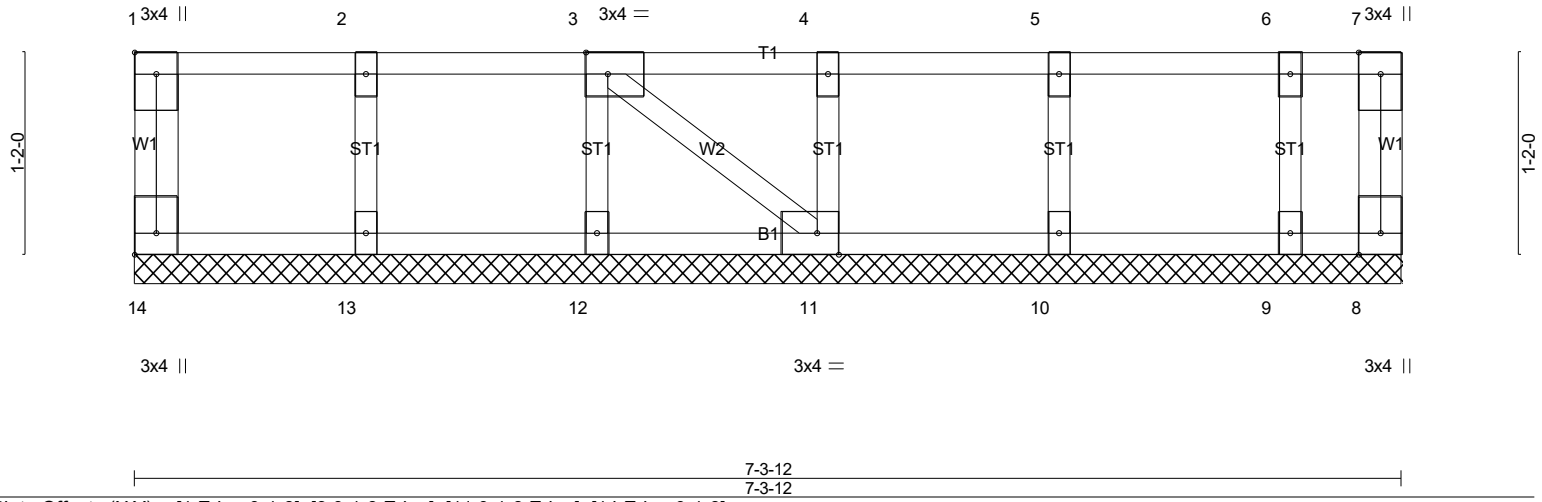

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [3:0-1-8,Edge], [11:0-1-8,Edge], [14:Edge,0-1-8]

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	0.06	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-P							Weight: 36 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 7-3-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 7-3-12.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 14, 8, 13, 12, 11, 10, 9

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

2/4/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0004 CAMPBELL RIDGE | 138 ALDEN WAY ANGIER, NC
25-0890-F02	F211	Floor	7	1	# 56557
					Job Reference (optional)

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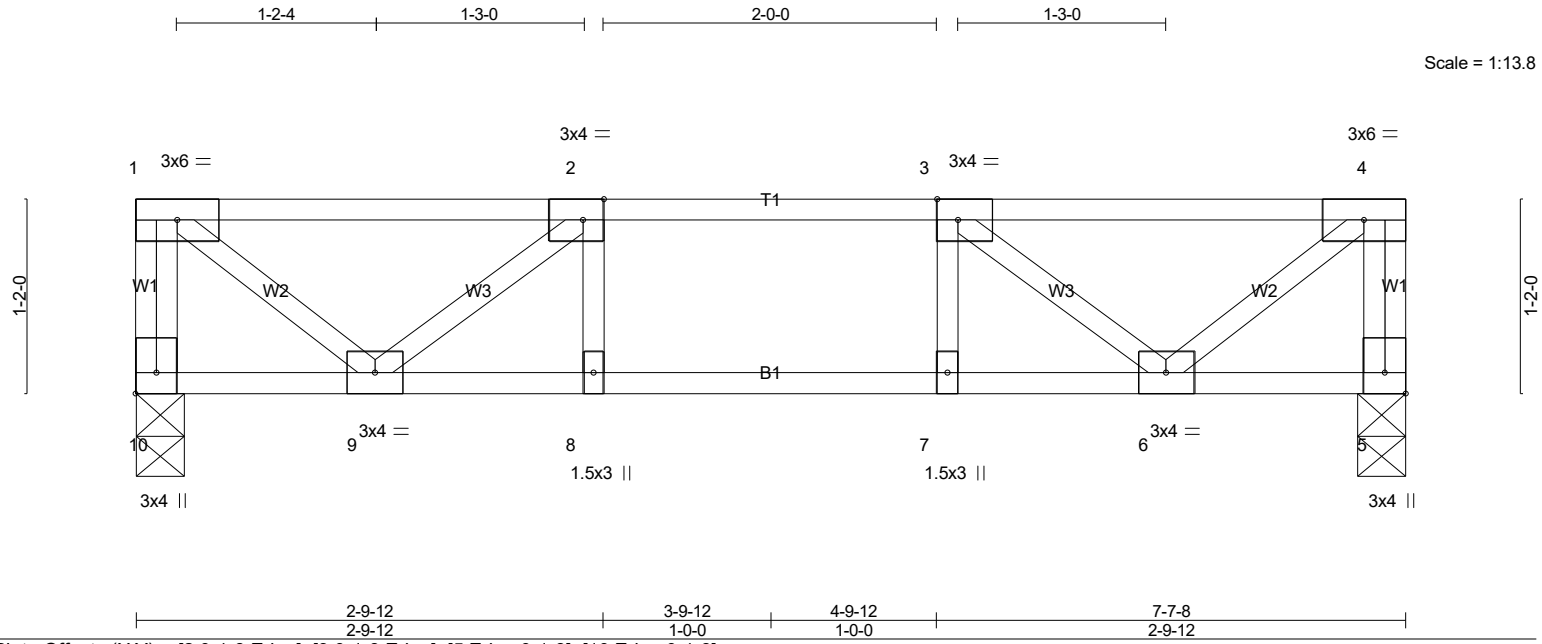

Plate Offsets (X,Y)-- [2:0-1-8,Edge], [3:0-1-8,Edge], [5:Edge,0-1-8], [10:Edge,0-1-8]

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	0.26	Vert(LL)	-0.03	8	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.24	Vert(CT)	-0.03	8	>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-SH							Weight: 40 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) 10=324/0-3-8 (min. 0-1-8), 5=324/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-10=-319/0, 4-5=-319/0, 1-2=-292/0, 2-3=-570/0, 3-4=-292/0
BOT CHORD 8-9=0/570, 7-8=0/570, 6-7=0/570
WEBS 2-9=-355/0, 1-9=0/373, 3-6=-355/0, 4-6=0/373

NOTES- (3-4)
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) 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.
4) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard

2/4/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0004 CAMPBELL RIDGE | 138 ALDEN WAY ANGIER, NC
25-0890-F02	F212	Floor	2	1	# 56557
					Job Reference (optional)

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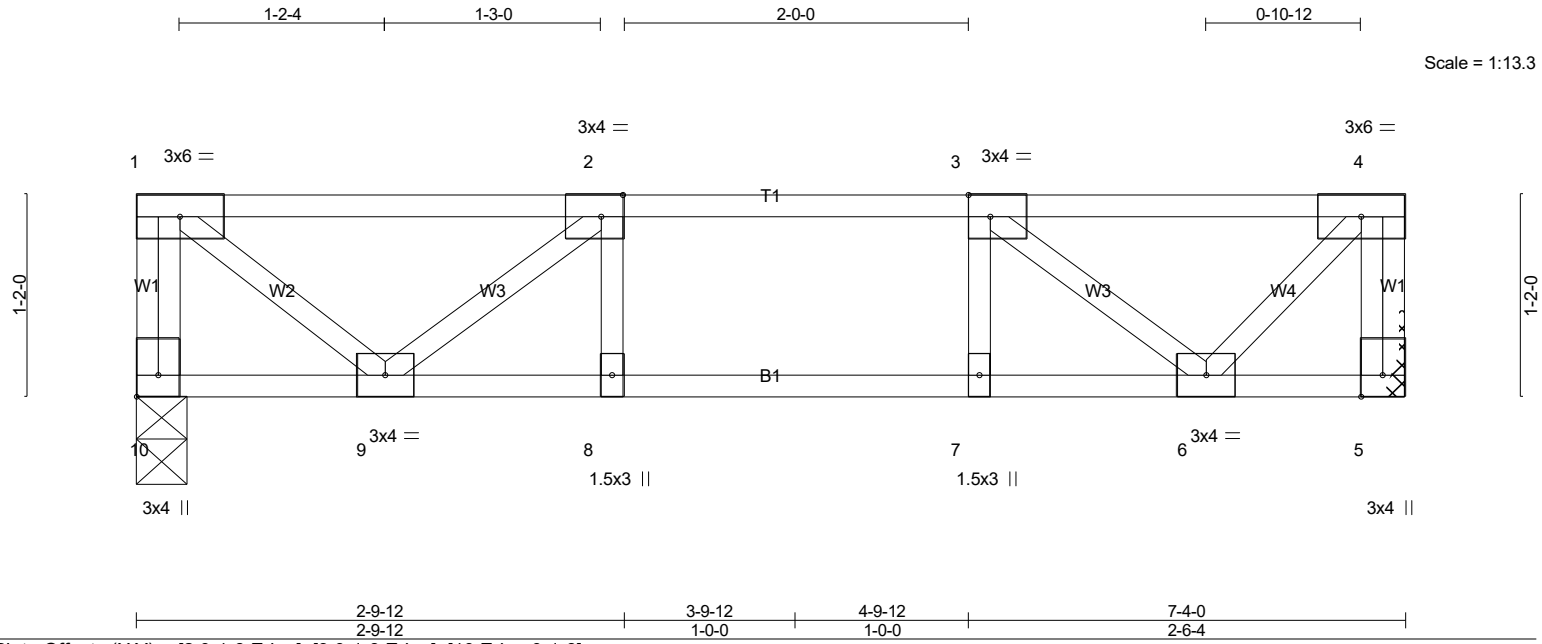

Plate Offsets (X,Y)-- [2:0-1-8,Edge], [3:0-1-8,Edge], [10:Edge,0-1-8]

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	0.27	Vert(LL)	-0.03	8	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.26	Vert(CT)	-0.03	8	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.17	Horz(CT)	0.00	5	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 39 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) 10=311/0-3-8 (min. 0-1-8), 5=311/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-10=-309/0, 4-5=-305/0, 1-2=-276/0, 2-3=-522/0
BOT CHORD 8-9=0/522, 7-8=0/522, 6-7=0/522
WEBS 2-9=-314/0, 1-9=0/352, 3-6=-378/0, 4-6=0/322

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

LOAD CASE(S) Standard

2/4/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0004 CAMPBELL RIDGE | 138 ALDEN WAY ANGIER, NC
25-0890-F02	F213	Floor	1	1	# 56557
					Job Reference (optional)

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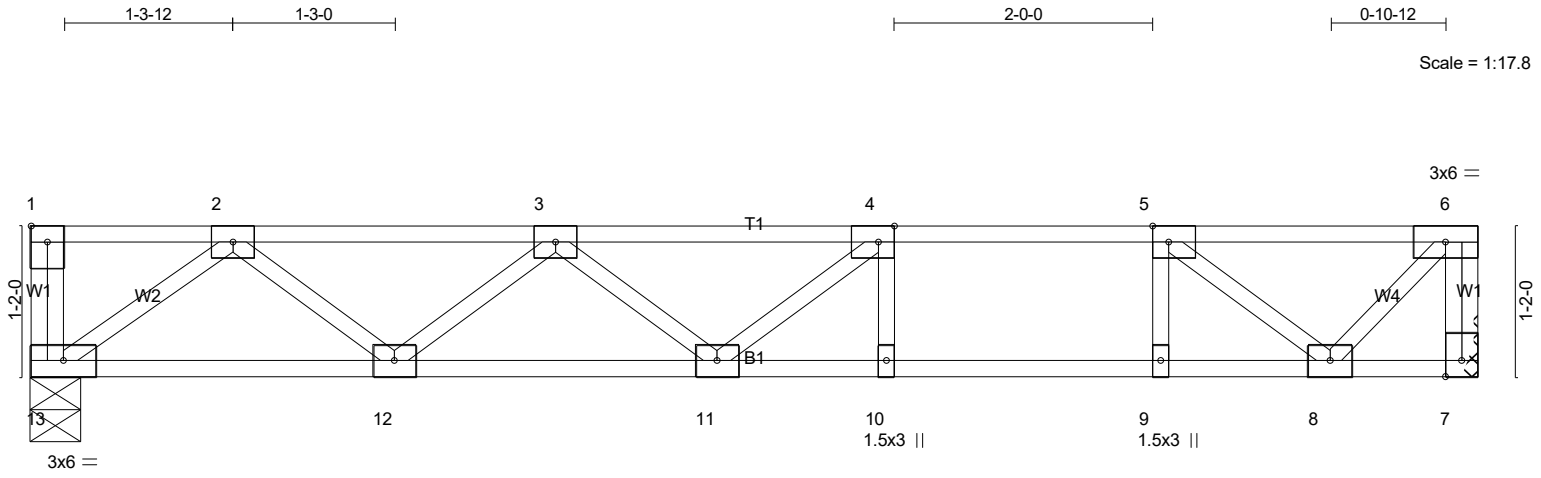

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [4:0-1-8,Edge], [5:0-1-8,Edge]

LOADING (psf)		SPACING-	1-7-3	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.49	Vert(LL)	-0.14	10-11	>924	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.81	Vert(CT)	-0.19	10-11	>693	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.27	Horz(CT)	0.01	7	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 57 lb	FT = 20%F, 11%E

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

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) 7=482/Mechanical, 13=482/0-4-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 6-7=-447/0, 2-3=-918/0, 3-4=-1229/0, 4-5=-1068/0, 5-6=-395/0
BOT CHORD 12-13=0/592, 11-12=0/1231, 10-11=0/1068, 9-10=0/1068, 8-9=0/1068
WEBS 5-9=0/268, 4-11=-42/263, 3-12=-407/0, 2-12=0/425, 2-13=-731/0, 5-8=-860/0, 6-8=0/564

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

2/4/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0004 CAMPBELL RIDGE | 138 ALDEN WAY ANGIER, NC
25-0890-F02	F214	Floor Supported Gable	1	1	Job Reference (optional) **# 56557**

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Wed Feb 5 09:15:53 2025 Page 1
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0-1-8

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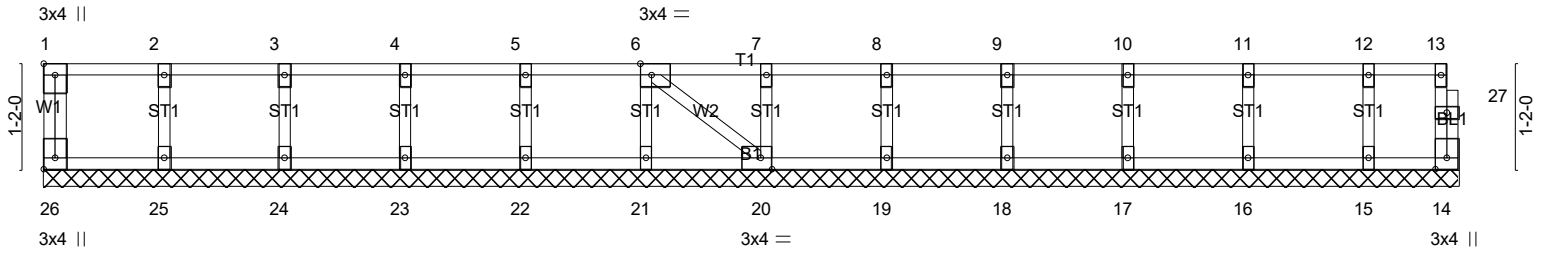

15-7-14
15-7-14

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [6:0-1-8,Edge], [20:0-1-8,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 15-7-14.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 26, 14, 25, 24, 23, 22, 21, 20, 19, 18, 17, 16, 15

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

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

LOAD CASE(S) Standard

2/4/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0004 CAMPBELL RIDGE | 138 ALDEN WAY ANGIER, NC
25-0890-F02	F215	Floor	8	1	# 56557
					Job Reference (optional)

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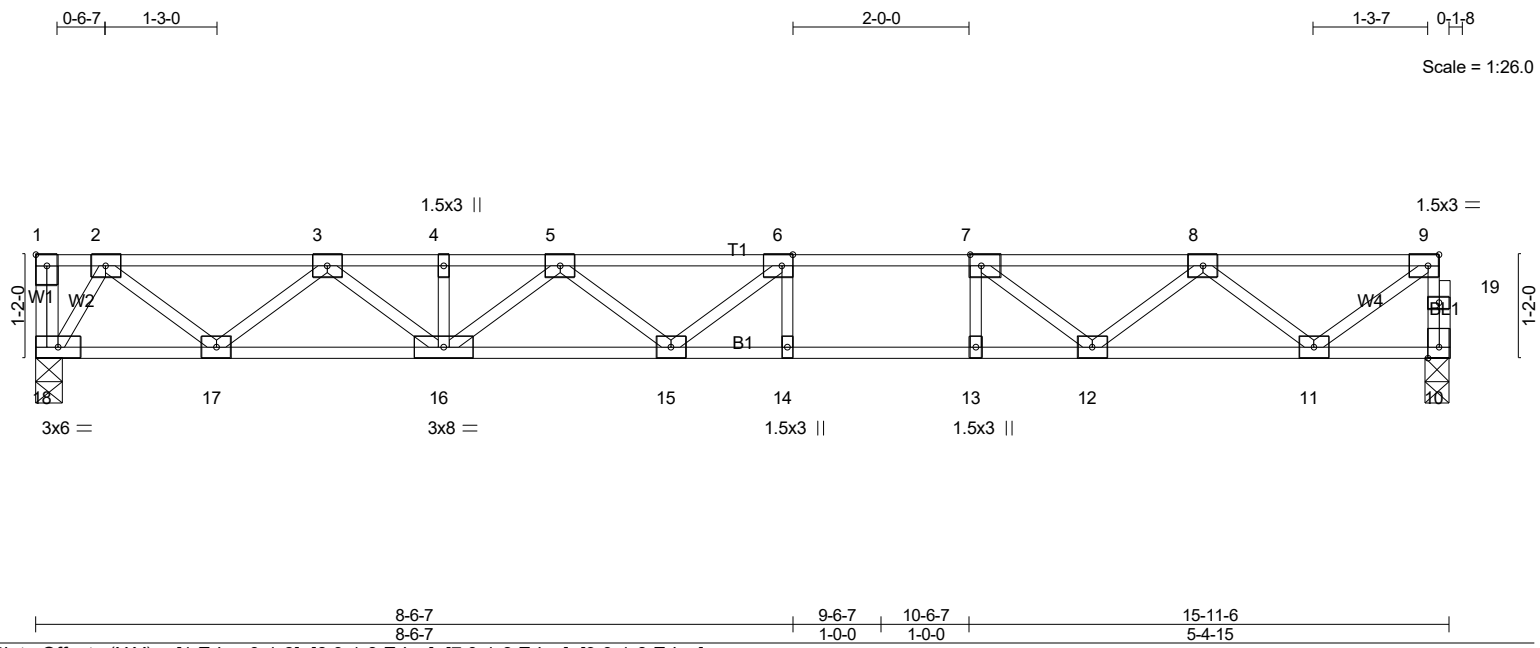

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [6:0-1-8,Edge], [7:0-1-8,Edge], [9:0-1-8,Edge]

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	0.41	Vert(LL)	-0.18	14-15	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.82	Vert(CT)	-0.24	14-15	>774	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.39	Horz(CT)	0.03	10	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 81 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) 10=571/0-3-6 (min. 0-1-8), 18=576/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 10-19=-571/0, 9-19=-570/0, 2-3=-906/0, 3-4=-1754/0, 4-5=-1754/0, 5-6=-2111/0, 6-7=-2061/0, 7-8=-1605/0, 8-9=-677/0
BOT CHORD 17-18=0/376, 16-17=0/1413, 15-16=0/2057, 14-15=0/2061, 13-14=0/2061, 12-13=0/2061, 11-12=0/1243
WEBS 5-16=-386/0, 3-16=0/435, 3-17=-661/0, 2-17=0/689, 2-18=-702/0, 7-12=-631/0, 8-12=0/472, 8-11=-737/0, 9-11=0/812

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

2/4/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0004 CAMPBELL RIDGE | 138 ALDEN WAY ANGIER, NC
25-0890-F02	F216	Floor	1	1	# 56557
					Job Reference (optional)

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Wed Feb 5 09:15:53 2025 Page 1
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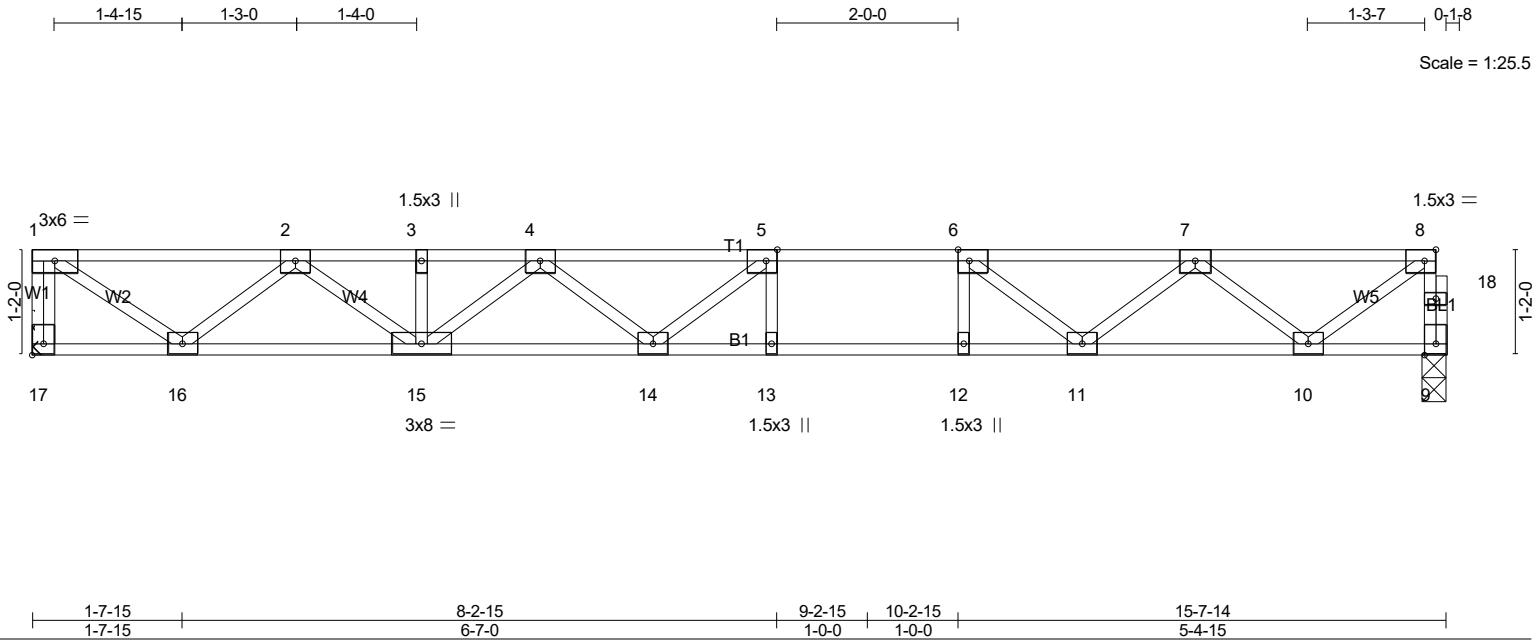

Plate Offsets (X,Y)-- [5:0-1-8,Edge], [6:0-1-8,Edge], [8:0-1-8,Edge], [17:Edge,0-1-8]

LOADING (psf)		**SPACING-**	1-4-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.39	Vert(LL)	-0.17	13-14	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.78	Vert(CT)	-0.23	13-14	>817	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.41	Horz(CT)	0.03	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) 17=565/Mechanical, 9=561/0-3-6 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-17=-561/0, 9-18=-560/0, 8-18=-559/0, 1-2=-714/0, 2-3=-1637/0, 3-4=-1637/0, 4-5=-2023/0, 5-6=-1997/0, 6-7=-1565/0, 7-8=-662/0
BOT CHORD 15-16=0/1275, 14-15=0/1954, 13-14=0/1997, 12-13=0/1997, 11-12=0/1997, 10-11=0/1217
WEBS 4-15=-406/0, 2-15=0/451, 2-16=-730/0, 1-16=0/863, 6-11=-603/0, 7-11=0/453, 7-10=-722/0, 8-10=0/795

NOTES- (6-7)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Refer to girder(s) for truss to truss connections.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
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

2/4/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0004 CAMPBELL RIDGE | 138 ALDEN WAY ANGIER, NC
25-0890-F02	F217	Floor	2	1	# 56557
					Job Reference (optional)

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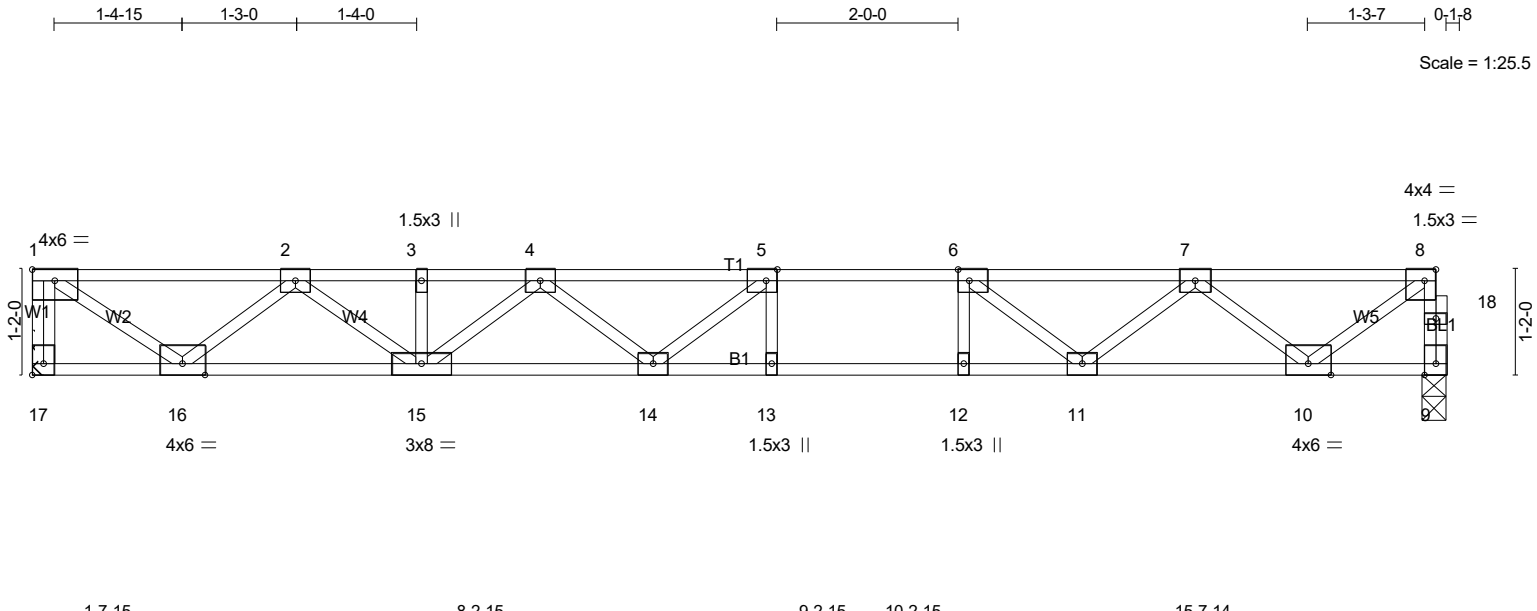

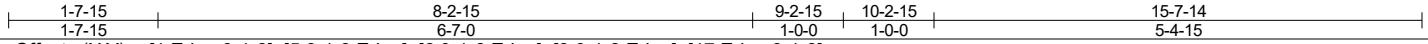

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [5:0-1-8,Edge], [6:0-1-8,Edge], [8:0-1-8,Edge], [17:Edge,0-1-8]

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	0.58	Vert(LL)	-0.23	13-14	>789	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.75	Vert(CT)	-0.32	13-14	>578	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.62	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 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.

REACTIONS. (lb/size) 17=847/Mechanical, 9=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 1-17=-841/0, 9-18=-840/0, 8-18=-839/0, 1-2=-1072/0, 2-3=-2455/0, 3-4=-2455/0, 4-5=-3037/0, 5-6=-2996/0, 6-7=-2345/0, 7-8=-994/0
BOT CHORD 15-16=0/1913, 14-15=0/2931, 13-14=0/2996, 12-13=0/2996, 11-12=0/2996, 10-11=0/1826
WEBS 5-13=-275/44, 6-12=-13/307, 5-14=-298/268, 4-14=0/296, 4-15=-608/0, 2-15=0/676, 2-16=-1096/0, 1-16=0/1295, 6-11=-910/0, 7-11=0/675, 7-10=-1083/0, 8-10=0/1193

NOTES- (6-7)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Refer to girder(s) for truss to truss connections.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
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

2/4/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0004 CAMPBELL RIDGE | 138 ALDEN WAY ANGIER, NC
25-0890-F02	F218	Floor	2	1	# 56557
					Job Reference (optional)

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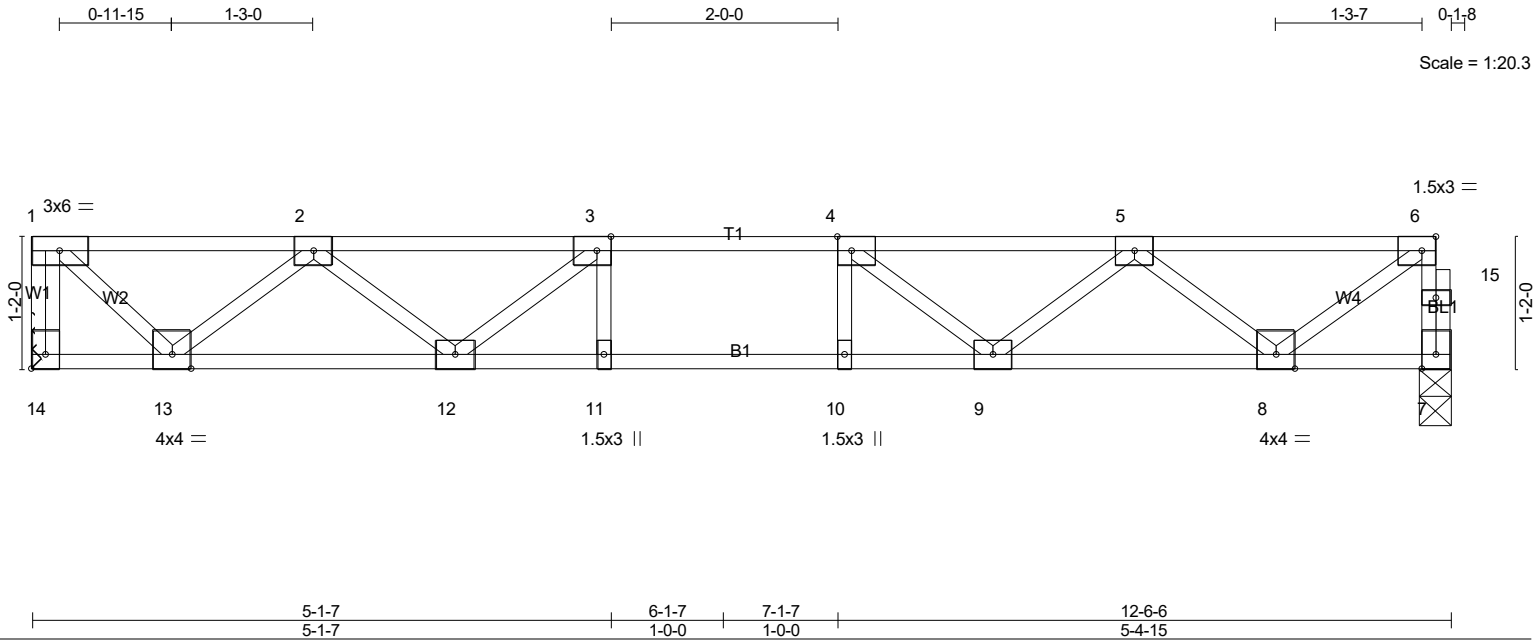

Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [6:0-1-8,Edge], [14:Edge,0-1-8]

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	9-10	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.59	Vert(CT)	-0.13	9-10	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.44	Horz(CT)	0.02	7	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 63 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=675/Mechanical, 7=669/0-3-6 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-14=-672/0, 7-15=-664/0, 6-15=-663/0, 1-2=-622/0, 2-3=-1624/0, 3-4=-1962/0, 4-5=-1699/0, 5-6=-765/0
BOT CHORD 12-13=0/1290, 11-12=0/1962, 10-11=0/1962, 9-10=0/1962, 8-9=0/1412
WEBS 3-12=-529/0, 2-12=0/441, 2-13=-869/0, 1-13=0/850, 4-9=-465/0, 5-9=0/399, 5-8=-843/0, 6-8=0/916

NOTES- (6-7)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Refer to girder(s) for truss to truss connections.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
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

2/4/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0004 CAMPBELL RIDGE | 138 ALDEN WAY ANGIER, NC
25-0890-F02	F219	Floor	3	1	# 56557
					Job Reference (optional)

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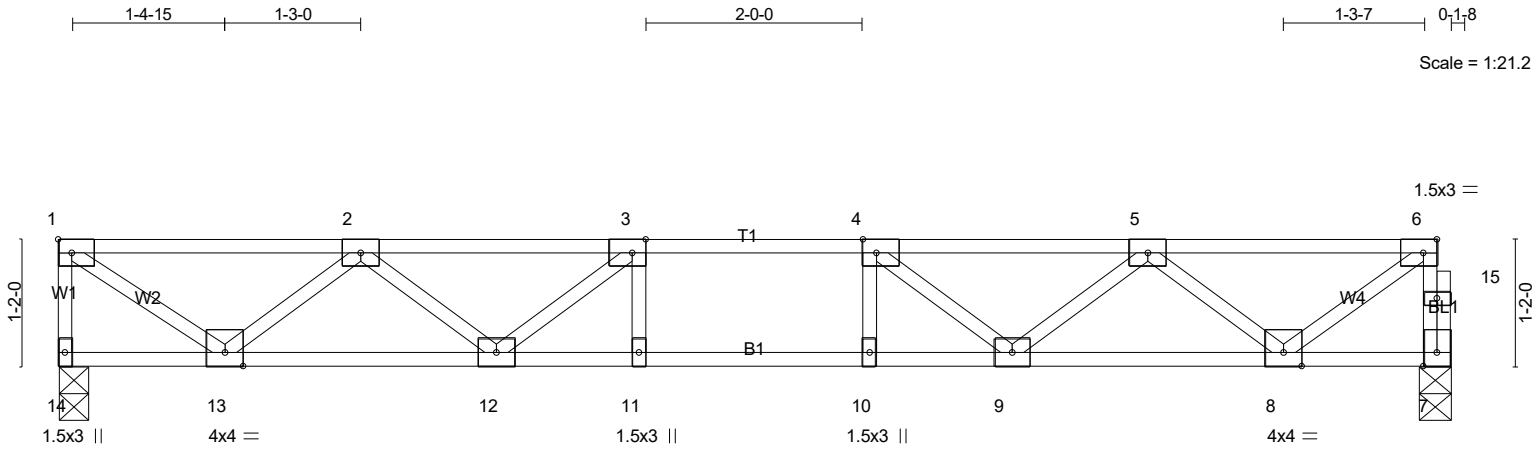

5-4-15	6-4-15	7-4-15	12-9-14
5-4-15	1-0-0	1-0-0	5-4-15

Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,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	0.33	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	11-12	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.48	Horz(CT)	0.02	7	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 63 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=695/0-3-8 (min. 0-1-8), 7=689/0-3-6 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-14=-688/0, 7-15=-684/0, 6-15=-683/0, 1-2=-819/0, 2-3=-1790/0, 3-4=-2078/0, 4-5=-1772/0, 5-6=-791/0
BOT CHORD 12-13=0/1488, 11-12=0/2078, 10-11=0/2078, 9-10=0/2078, 8-9=0/1459
WEBS 3-12=-498/0, 2-12=0/421, 2-13=-872/0, 1-13=0/1003, 4-9=-512/0, 5-9=0/430, 5-8=-870/0, 6-8=0/947

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

2/4/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0004 CAMPBELL RIDGE | 138 ALDEN WAY ANGIER, NC
25-0890-F02	F220	FLOOR GIRDER	1	1	# 56557
					Job Reference (optional)

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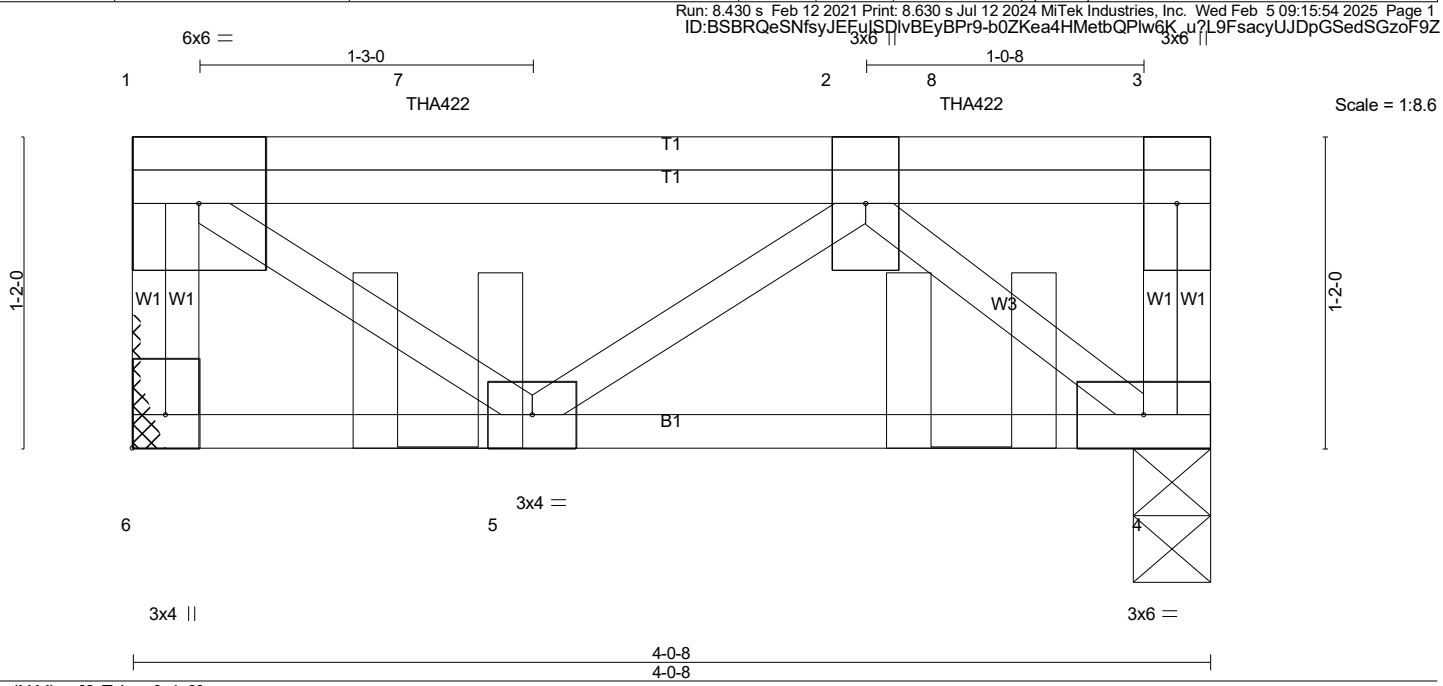

Plate Offsets (X,Y)-- [6:Edge,0-1-8]

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	0.61	Vert(LL)	-0.00	5	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.21	Vert(CT)	-0.01	4-5	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.29	Horz(CT)	0.00	4	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-P							Weight: 29 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 4-0-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 6=748/Mechanical, 4=831/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-742/0, 1-7=-493/0, 2-7=-493/0
BOT CHORD 4-5=0/916
WEBS 1-5=0/606, 2-5=-537/0, 2-4=-1196/0

NOTES- (6-7)
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.
3) Use Simpson Strong-Tie THA422 (6-16d Girder, 6-10d Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-1-12 from the left end to 3-1-12 to connect truss(es) F218 (1 ply 2x4 SP) to front face of top chord.
4) Fill all nail holes where hanger is in contact with lumber.
5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
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: 4-6=-10, 1-3=-100
Concentrated Loads (lb)
Vert: 7=-575(F) 8=-587(F)

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0004 CAMPBELL RIDGE | 138 ALDEN WAY ANGIER, NC
25-0890-F02	F221	Floor	1	1	Job Reference (optional) **# 56557**

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Wed Feb 5 09:15:54 2025 Page 1
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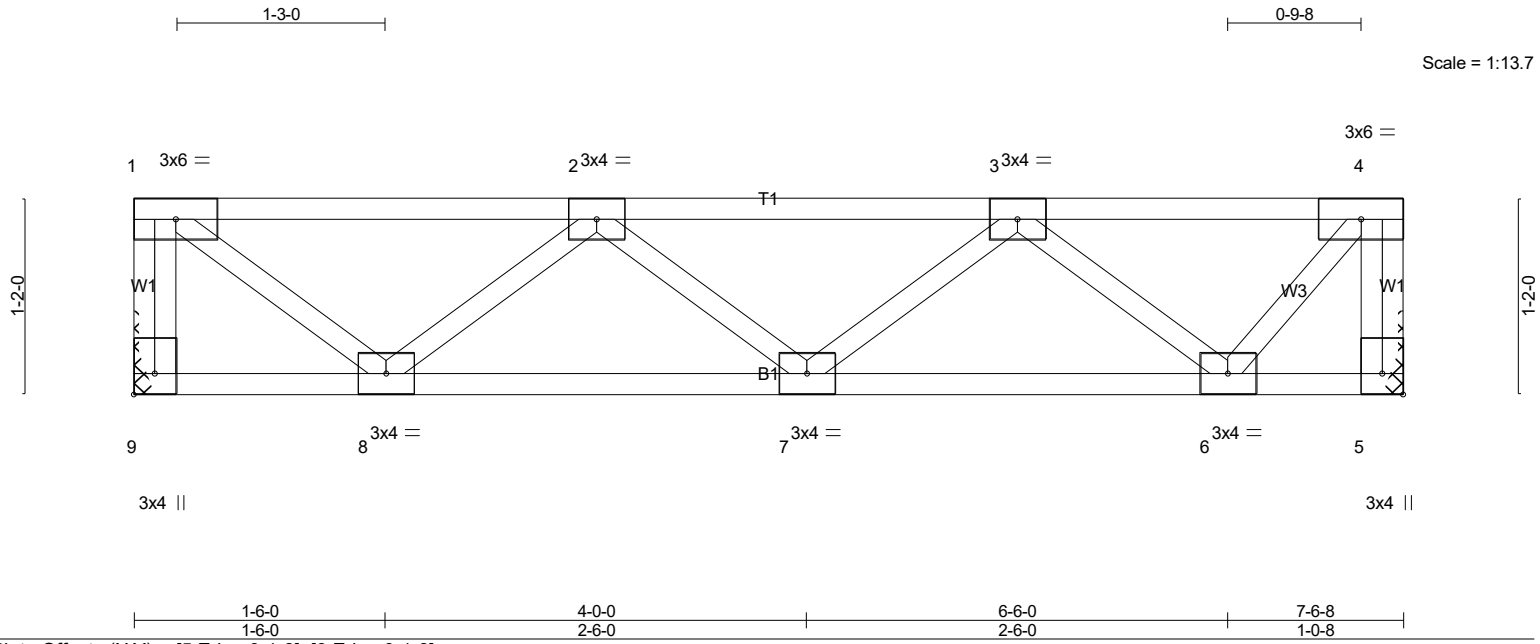

Plate Offsets (X,Y)-- [5:Edge,0-1-8], [9:Edge,0-1-8]

LOADING (psf)		**SPACING-** 2-0-0		**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.28	Vert(LL)	-0.01	7	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.15	Vert(CT)	-0.02	7	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.23	Horz(CT)	0.00	5	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-P							Weight: 41 lb	FT = 20%F, 11%E

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

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

REACTIONS. (lb/size) 9=401/Mechanical, 5=401/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-9=-396/0, 4-5=-399/0, 1-2=-383/0, 2-3=-683/0, 3-4=-276/0
BOT CHORD 7-8=0/706, 6-7=0/628
WEBS 1-8=0/480, 2-8=-421/0, 3-6=-458/0, 4-6=0/417

NOTES- (3-4)
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.
3) 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.
4) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard

2/4/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0004 CAMPBELL RIDGE | 138 ALDEN WAY ANGIER, NC
25-0890-F02	F222	Floor Girder	1	1	Job Reference (optional) **# 56557**

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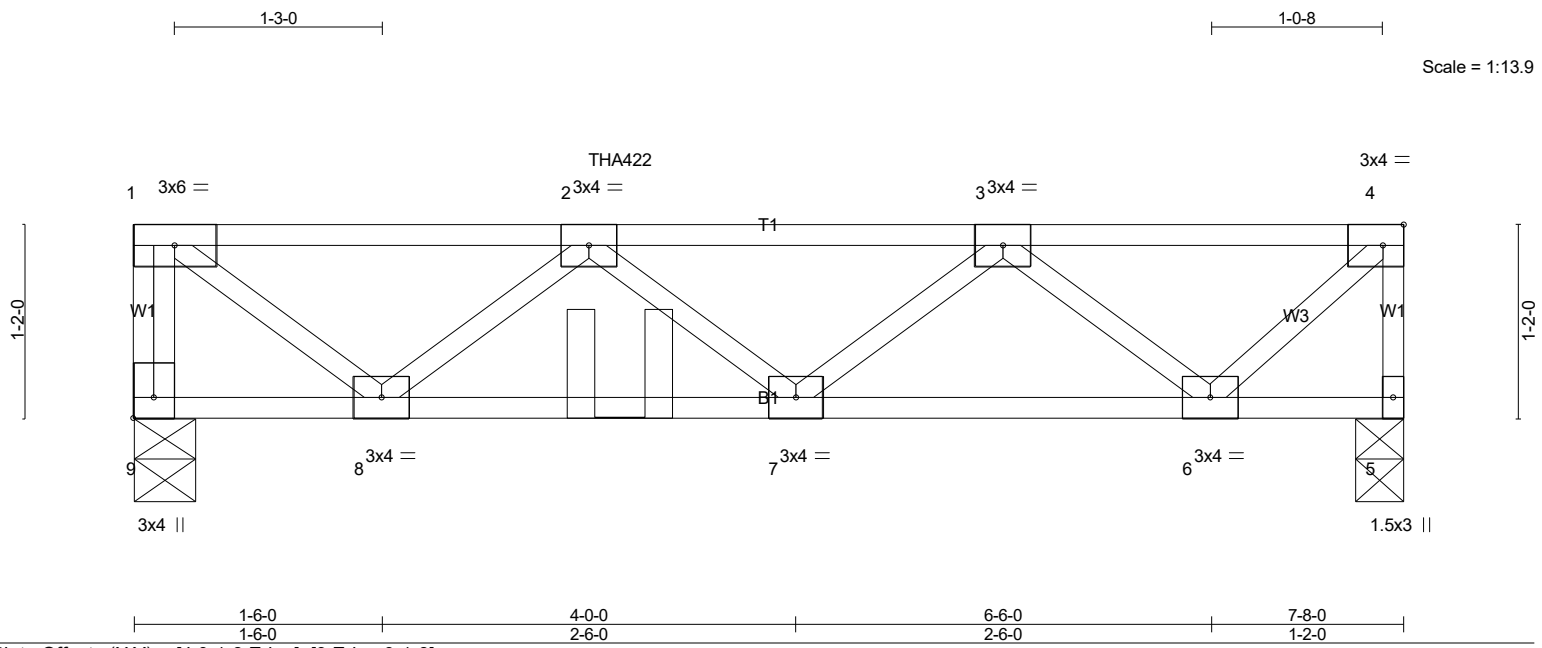

Plate Offsets (X,Y)-- [4:0-1-8,Edge], [9:Edge,0-1-8]

LOADING (psf)		**SPACING-** 2-0-0		**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.32	Vert(LL)	-0.02	7	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.27	Vert(CT)	-0.03	7	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.39	Horz(CT)	0.01	5	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-P							Weight: 40 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=607/0-4-8 (min. 0-1-8), 5=517/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-9=-600/0, 4-5=-513/0, 1-2=-651/0, 2-3=-1086/0, 3-4=-443/0
BOT CHORD 7-8=0/1220, 6-7=0/921
WEBS 1-8=0/817, 2-8=-740/0, 3-6=-622/0, 4-6=0/609

NOTES- (5-6)
1) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
2) Use Simpson Strong-Tie THA422 (Single Chord Girder) or equivalent at 2-11-4 from the left end to connect truss(es) F221 (1 ply 2x4 SP) to front face of top chord.
3) Fill all nail holes where hanger is in contact with lumber.
4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
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: 5-9=-10, 1-4=-100
Concentrated Loads (lb)
Vert: 2=-301(F)

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0004 CAMPBELL RIDGE | 138 ALDEN WAY ANGIER, NC
25-0890-F02	F223	Floor	1	1	# 56557
					Job Reference (optional)

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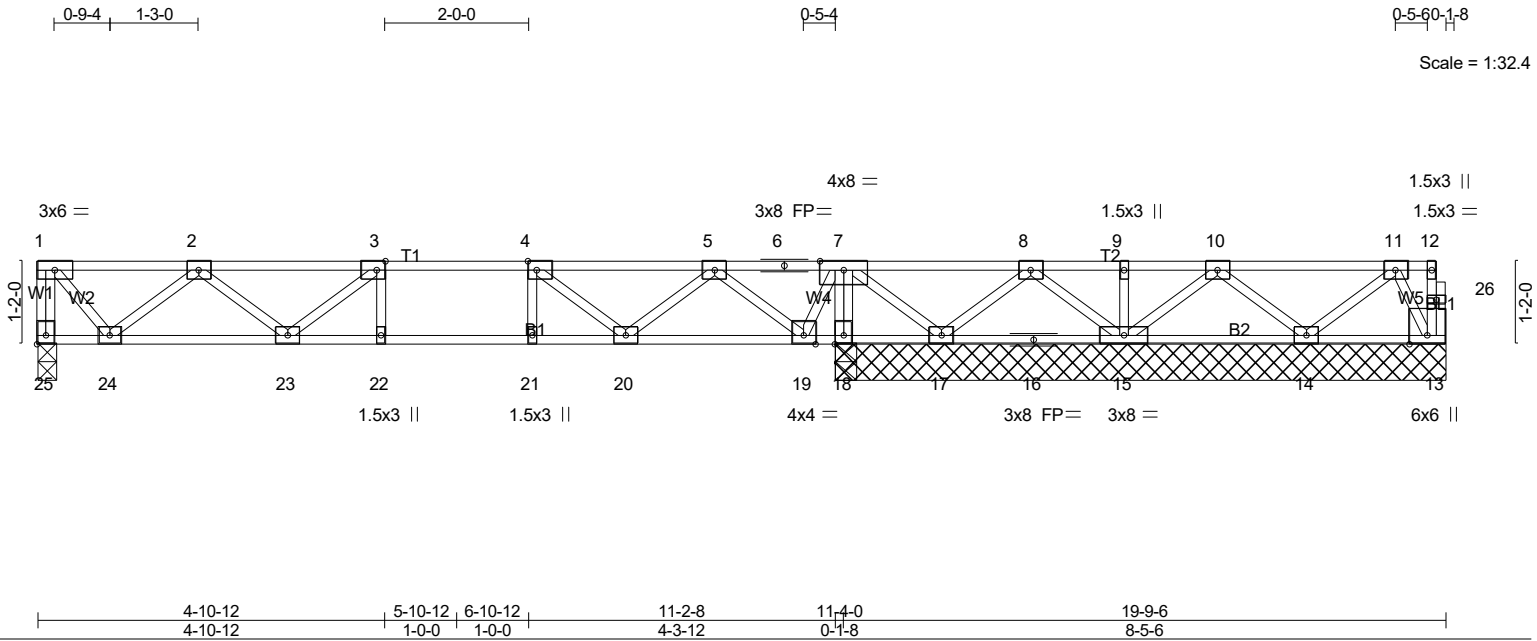


Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [25:Edge,0-1-8]

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	0.33	Vert(LL)	-0.08	22-23	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.54	Vert(CT)	-0.10	22-23	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.31	Horz(CT)	0.01	13	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 103 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)

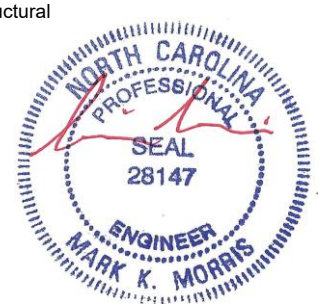
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 18-19,17-18,15-17.

REACTIONS. All bearings 8-6-14 except (jt=length) 25=0-3-8.
(lb) - Max Uplift All uplift 100 lb or less at joint(s) 17
Max Grav All reactions 250 lb or less at joint(s) 17, 14, 13 except 25=558(LC 1), 18=1046(LC 4), 18=1009(LC 1), 15=315(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-25=-553/0, 1-2=-410/0, 2-3=-1177/0, 3-4=-1315/0, 4-5=-829/0, 5-6=-107/510, 6-7=-107/510, 7-8=0/403
BOT CHORD 23-24=0/966, 22-23=0/1315, 21-22=0/1315, 20-21=0/1315, 19-20=0/427, 18-19=-789/0, 17-18=-771/0
WEBS 7-18=-1012/0, 2-23=0/274, 2-24=-724/0, 1-24=0/628, 4-20=-620/0, 5-20=0/563, 5-19=-858/0, 7-19=0/644, 7-17=-34/464, 8-17=-370/0

NOTES- (6-7)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 17.
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



2/4/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0004 CAMPBELL RIDGE | 138 ALDEN WAY ANGIER, NC
25-0890-F02	F224	Floor	3	1	Job Reference (optional) **# 56557**

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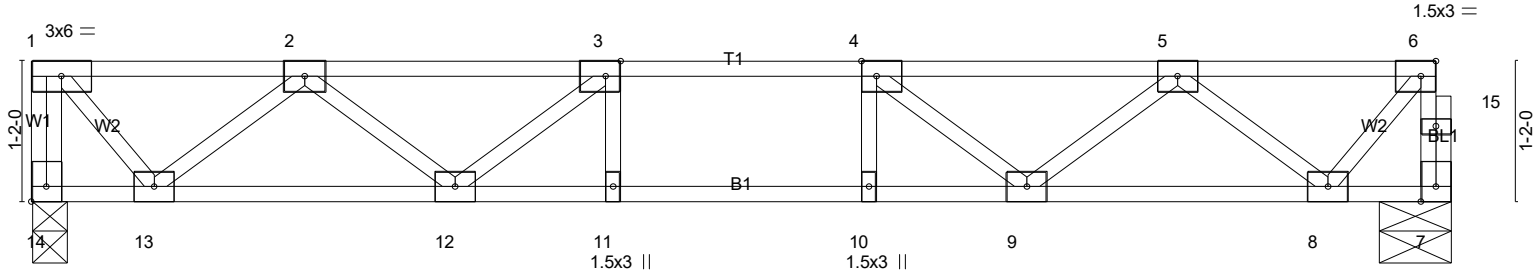

4-10-12 5-10-12 6-10-12 11-9-8
4-10-12 1-0-0 1-0-0 4-10-12

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

LOADING (psf)		**SPACING-**	1-4-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.17	Vert(LL)	-0.05	9-10	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.34	Vert(CT)	-0.07	10	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.23	Horz(CT)	0.01	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=423/0-3-8 (min. 0-1-8), 7=419/0-7-0 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-14=-422/0, 7-15=-419/0, 6-15=-418/0, 1-2=-316/0, 2-3=-952/0, 3-4=-1156/0, 4-5=-951/0, 5-6=-318/0
BOT CHORD 12-13=0/741, 11-12=0/1156, 10-11=0/1156, 9-10=0/1156, 8-9=0/740
WEBS 3-12=-320/0, 2-12=0/274, 2-13=-553/0, 1-13=0/485, 4-9=-320/0, 5-9=0/275, 5-8=-550/0, 6-8=0/468

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

2/4/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0004 CAMPBELL RIDGE | 138 ALDEN WAY ANGIER, NC
25-0890-F02	F225	Floor	4	1	# 56557
					Job Reference (optional)

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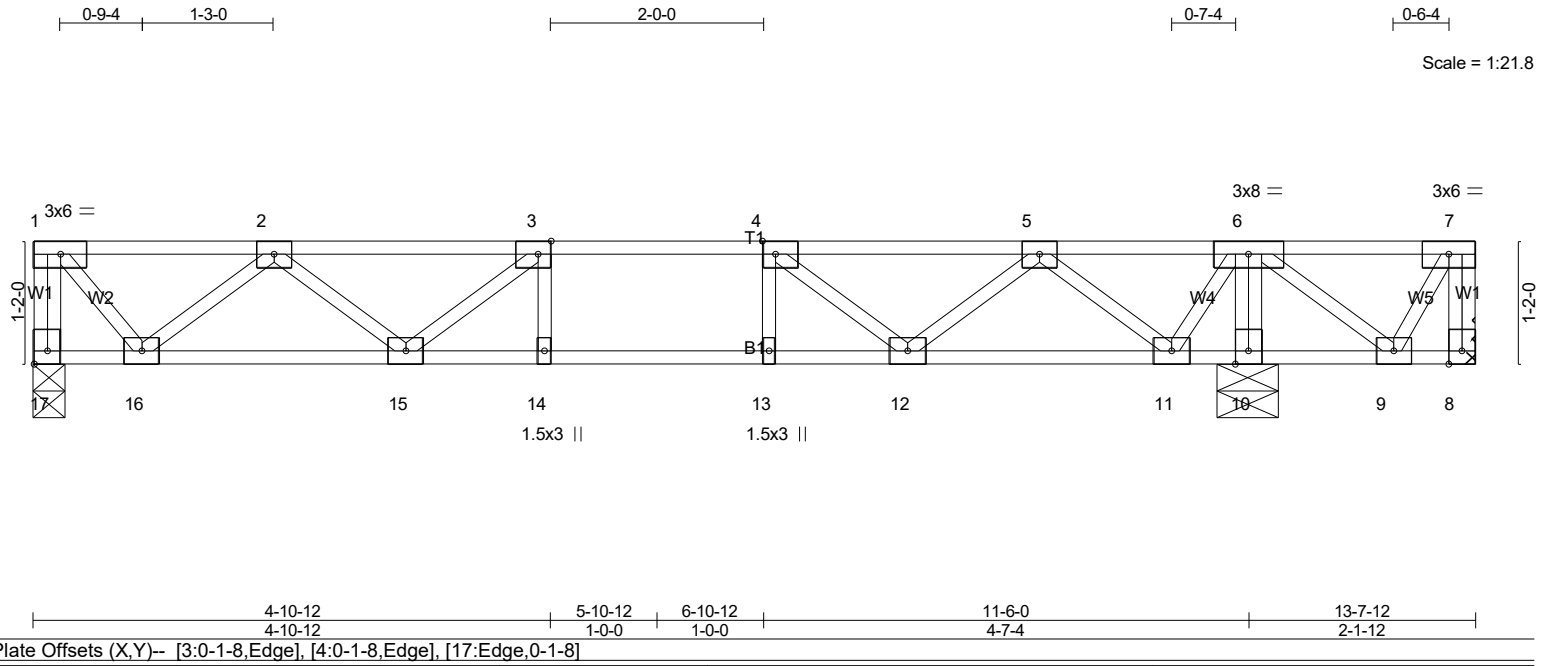

Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [17:Edge,0-1-8]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.25	Vert(LL)	-0.05	14-15	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.39	Vert(CT)	-0.07	14-15	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.23	Horz(CT)	0.01	10	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 73 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: 10-11,9-10.

REACTIONS. (lb/size) 17=376/0-3-8 (min. 0-1-8), 8=-22/Mechanical, 10=763/0-7-0 (min. 0-1-8)
Max Uplift8=-89(LC 8)
Max Grav 17=377(LC 3), 8=164(LC 7), 10=790(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-17=-373/0, 1-2=-277/0, 2-3=-799/0, 3-4=-900/0, 4-5=-589/0, 5-6=-79/304
BOT CHORD 15-16=0/652, 14-15=0/900, 13-14=0/900, 12-13=0/900, 11-12=0/310, 10-11=-546/0, 9-10=-535/0
WEBS 6-10=-763/0, 2-16=-489/0, 1-16=0/424, 4-12=-401/0, 5-12=0/367, 5-11=-595/0, 6-11=0/477, 6-9=0/454, 7-9=-332/0

NOTES- (8-9)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8.
5) Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 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: 8-17=-7, 1-7=-67
Concentrated Loads (lb)
Vert: 7=-135
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 8-17=-7, 1-7=-67

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Continued on page 2

LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 7=-135
3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 8-17=-7, 1-6=-67, 6-7=-13
Concentrated Loads (lb)
Vert: 7=-135
4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 8-17=-7, 1-6=-13, 6-7=-67
Concentrated Loads (lb)
Vert: 7=-135
5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 8-17=-7, 1-6=-67, 6-7=-13
Concentrated Loads (lb)
Vert: 7=-135
6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 8-17=-7, 1-6=-13, 6-7=-67
Concentrated Loads (lb)
Vert: 7=-135
7) 1st chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 8-17=-7, 1-4=-67, 4-6=-13, 6-7=-67
Concentrated Loads (lb)
Vert: 7=-135
8) 2nd chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 8-17=-7, 1-3=-13, 3-7=-67
Concentrated Loads (lb)
Vert: 7=-135
9) 3rd chase Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 8-17=-7, 1-4=-67, 4-6=-13, 6-7=-67
Concentrated Loads (lb)
Vert: 7=-135
10) 4th chase Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 8-17=-7, 1-3=-13, 3-7=-67
Concentrated Loads (lb)
Vert: 7=-135

2/4/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0004 CAMPBELL RIDGE | 138 ALDEN WAY ANGIER, NC
25-0890-F02	F226	Floor	5	1	# 56557
					Job Reference (optional)

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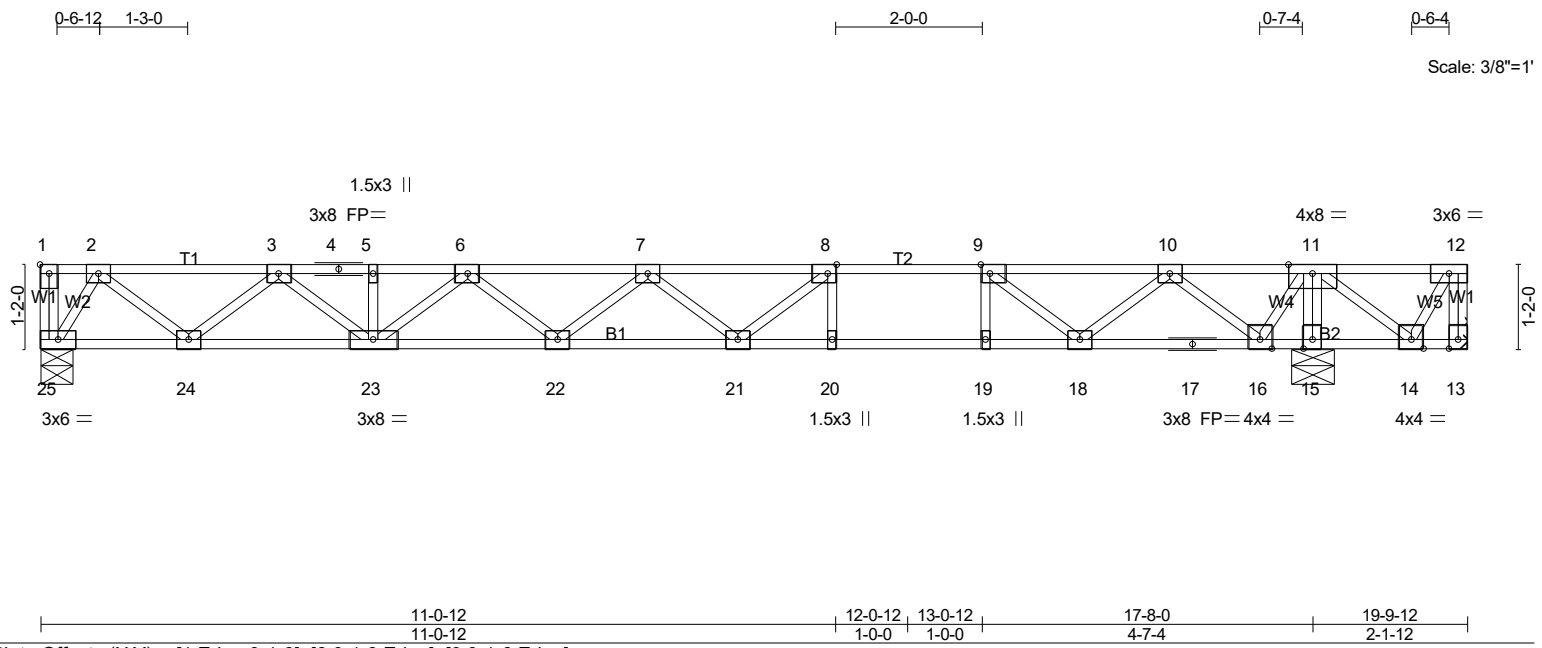

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [8:0-1-8,Edge], [9:0-1-8,Edge]

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	0.83	Vert(LL)	-0.28	20-21	>761	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.88	Vert(CT)	-0.38	20-21	>556	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.42	Horz(CT)	0.03	15	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 104 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: 15-16,14-15.

REACTIONS. (lb/size) 25=578/0-5-8 (min. 0-1-8), 13=-357/Mechanical, 15=1348/0-7-0 (min. 0-1-8)
Max Uplift13=-408(LC 3)
Max Grav 25=578(LC 3), 13=51(LC 4), 15=1348(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 12-13=-48/416, 2-3=-920/0, 3-4=-1785/0, 4-5=-1785/0, 5-6=-1785/0, 6-7=-2141/0, 7-8=-2055/0, 8-9=-1594/0, 9-10=-718/0, 10-11=0/615, 11-12=0/341
BOT CHORD 24-25=0/391, 23-24=0/1431, 22-23=0/2037, 21-22=0/2251, 20-21=0/1594, 19-20=0/1594, 18-19=0/1594, 15-16=-1062/0, 14-15=-1043/0
WEBS 8-20=-369/0, 9-19=0/391, 11-15=-1328/0, 8-21=0/630, 7-21=-273/2, 6-23=-322/0, 3-23=0/451, 3-24=-666/0, 2-24=0/689, 2-25=-709/0, 9-18=-1122/0, 10-18=0/810, 10-16=-928/0, 11-16=0/768, 11-14=0/884, 12-14=-648/0

NOTES- (8-9)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=408.
5) Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 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: 13-25=-7, 1-12=-67
Concentrated Loads (lb)
Vert: 12=-135

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LOAD CASE(S) Standard

2) Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 13-25=-7, 1-12=-67
   Concentrated Loads (lb)
      Vert: 12=-135
3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 13-25=-7, 1-11=-67, 11-12=-13
   Concentrated Loads (lb)
      Vert: 12=-135
4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 13-25=-7, 1-11=-13, 11-12=-67
   Concentrated Loads (lb)
      Vert: 12=-135
5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 13-25=-7, 1-11=-67, 11-12=-13
   Concentrated Loads (lb)
      Vert: 12=-135
6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 13-25=-7, 1-11=-13, 11-12=-67
   Concentrated Loads (lb)
      Vert: 12=-135
7) 1st chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 13-25=-7, 1-9=-67, 9-11=-13, 11-12=-67
   Concentrated Loads (lb)
      Vert: 12=-135
8) 2nd chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 13-25=-7, 1-8=-13, 8-12=-67
   Concentrated Loads (lb)
      Vert: 12=-135
9) 3rd chase Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 13-25=-7, 1-9=-67, 9-11=-13, 11-12=-67
   Concentrated Loads (lb)
      Vert: 12=-135
10) 4th chase Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 13-25=-7, 1-8=-13, 8-12=-67
   Concentrated Loads (lb)
      Vert: 12=-135

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0004 CAMPBELL RIDGE | 138 ALDEN WAY ANGIER, NC
25-0890-F02	F227	Floor	3	1	# 56557
					Job Reference (optional)

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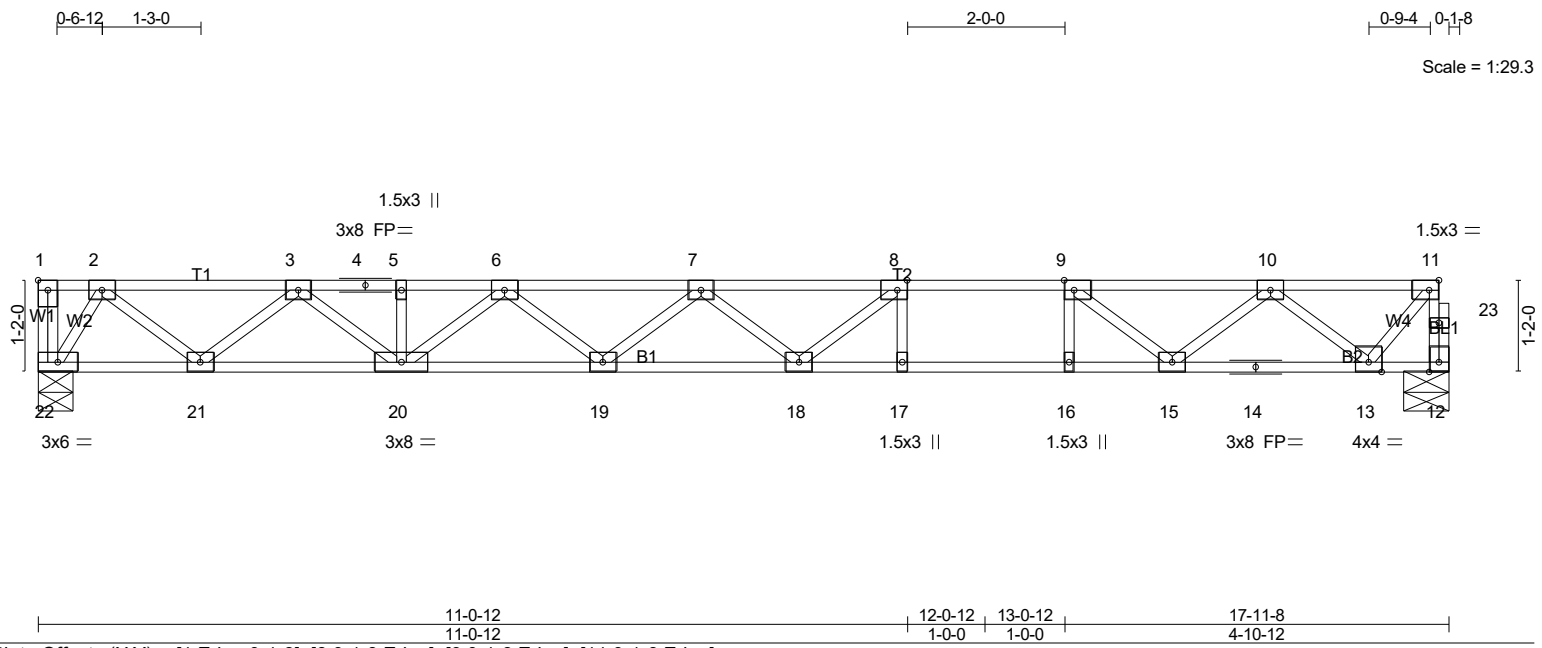

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [8:0-1-8,Edge], [9:0-1-8,Edge], [11:0-1-8,Edge]

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	0.63	Vert(LL)	-0.29	17-18	>744	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.77	Vert(CT)	-0.39	17-18	>542	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.38	Horz(CT)	0.04	12	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 91 lb	FT = 20%F, 11%E

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

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

REACTIONS. (lb/size) 22=649/0-5-8 (min. 0-1-8), 12=645/0-7-0 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 12-23=-656/0, 11-23=-655/0, 2-3=-1051/0, 3-4=-2088/0, 4-5=-2088/0, 5-6=-2088/0, 6-7=-2619/0, 7-8=-2706/0, 8-9=-2403/0, 9-10=-1689/0, 10-11=-511/0
BOT CHORD 21-22=0/437, 20-21=0/1647, 19-20=0/2434, 18-19=0/2804, 17-18=0/2403, 16-17=0/2403, 15-16=0/2403, 14-15=0/1171, 13-14=0/1171
WEBS 8-17=-312/0, 9-16=0/334, 8-18=-37/491, 6-20=-441/0, 3-20=0/564, 3-21=-776/0, 2-21=0/799, 2-22=-794/0, 9-15=-920/0, 10-15=0/674, 10-13=-859/0, 11-13=0/756

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

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0004 CAMPBELL RIDGE | 138 ALDEN WAY ANGIER, NC
25-0890-F02	F228	Floor Supported Gable	1	1	# 56557
					Job Reference (optional)

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0-1-8

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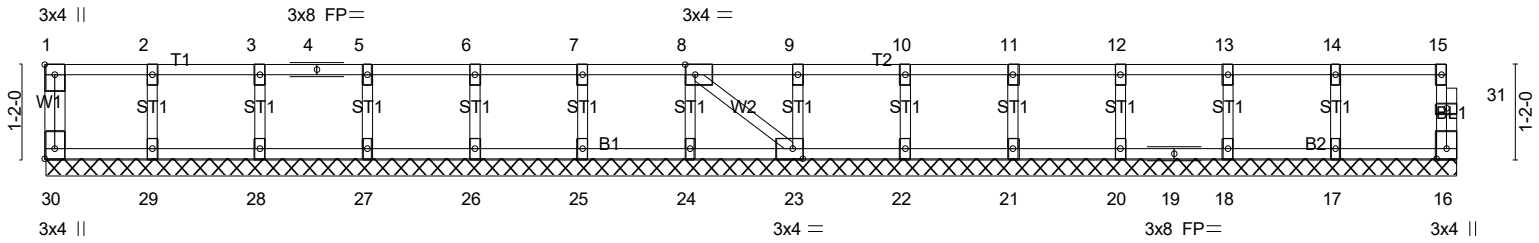

17-6-0
17-6-0

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [8:0-1-8,Edge], [23:0-1-8,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 17-6-0.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 30, 16, 29, 28, 27, 26, 25, 24, 23, 22, 21, 20, 18, 17

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

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