Mark Morris, P.E.

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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 #: 55153
JOB: 24-B429-F02
JOB NAME: LOT 0.0018 CAMPBELL RIDGE
Wind Code: N/A
Wind Speed: Vult= N/A
Exposure Category: N/A
Mean Roof Height (feet): N/A
These truss designs comply with IRC 2018 as well as IRC 2021.
23 Truss Design(s)

Trusses:
F200, F201, F202, F203, F204, F205, F206, F207, F209, F211, F212, F213, F215, F216, F217, F218, F219, F220, F221, F222, F223, F224, F225

12/12/2024
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 0.0018 CAMPBELL RIDGE | 211 ALDEN WAY ANGIER, NC
24-B429-F02	F200	Floor Supported Gable	1	1	Job Reference (optional) **# 55153**

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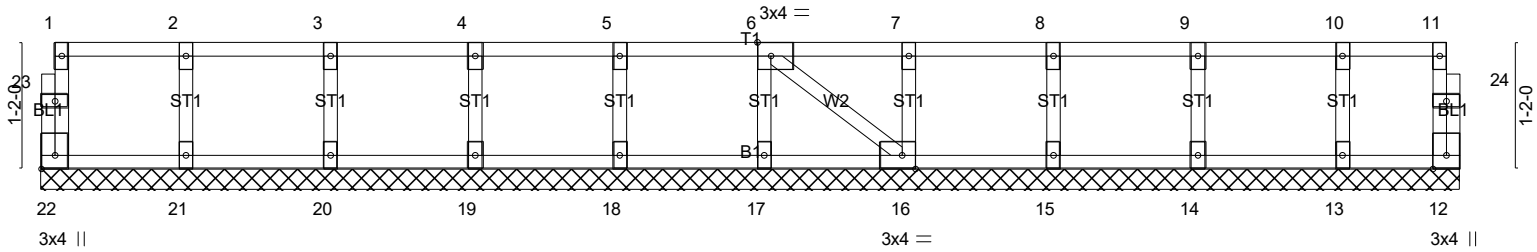

1-4-0	2-8-0	4-0-0	5-4-0	6-8-0	8-0-0	9-4-0	10-8-0	12-0-0	13-1-0
1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-1-0

Plate Offsets (X,Y)-- [6:0-1-8,Edge], [16:0-1-8,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 13-1-0.
(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- (6)
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.

LOAD CASE(S) Standard

12/12/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0018 CAMPBELL RIDGE | 211 ALDEN WAY ANGIER, NC
24-B429-F02	F201	Floor	2	1	Job Reference (optional) **# 55153**

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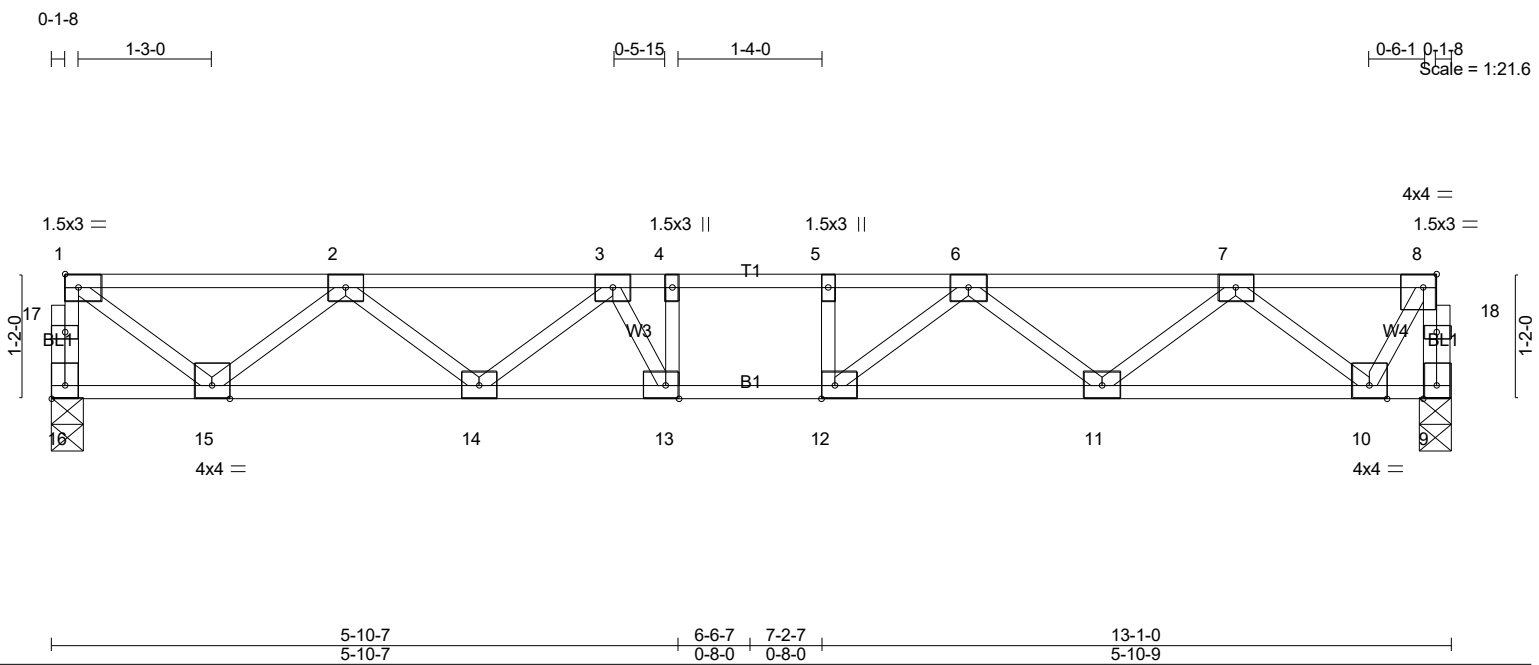

Plate Offsets (X,Y)-- [8:0-1-8,Edge], [12:0-1-8,Edge], [13:0-1-8,Edge], [16:Edge,0-1-8]

LOADING (psf)		**SPACING-**	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)	-0.08	12-13	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.43	Vert(CT)	-0.12	12-13	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.45	Horz(CT)	0.03	9	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 68 lb	FT = 20%F, 11%E

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

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

REACTIONS. (lb/size) 16=700/0-3-8 (min. 0-1-8), 9=700/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 16-17=-695/0, 1-17=-694/0, 9-18=-701/0, 8-18=-700/0, 1-2=-787/0, 2-3=-1803/0, 3-4=-2148/0, 4-5=-2148/0, 5-6=-2148/0, 6-7=-1569/0, 7-8=-388/0
BOT CHORD 14-15=0/1472, 13-14=0/2107, 12-13=0/2148, 11-12=0/1980, 10-11=0/1127
WEBS 4-13=-254/95, 1-15=0/952, 2-15=-891/0, 2-14=0/431, 3-14=-395/0, 3-13=-160/368, 6-12=-25/412, 6-11=-534/0, 7-11=0/576, 7-10=-962/0, 8-10=0/723

NOTES- (4)
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.

LOAD CASE(S) Standard

12/12/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0018 CAMPBELL RIDGE | 211 ALDEN WAY ANGIER, NC
24-B429-F02	F202	Floor	5	1	Job Reference (optional) **# 55153**

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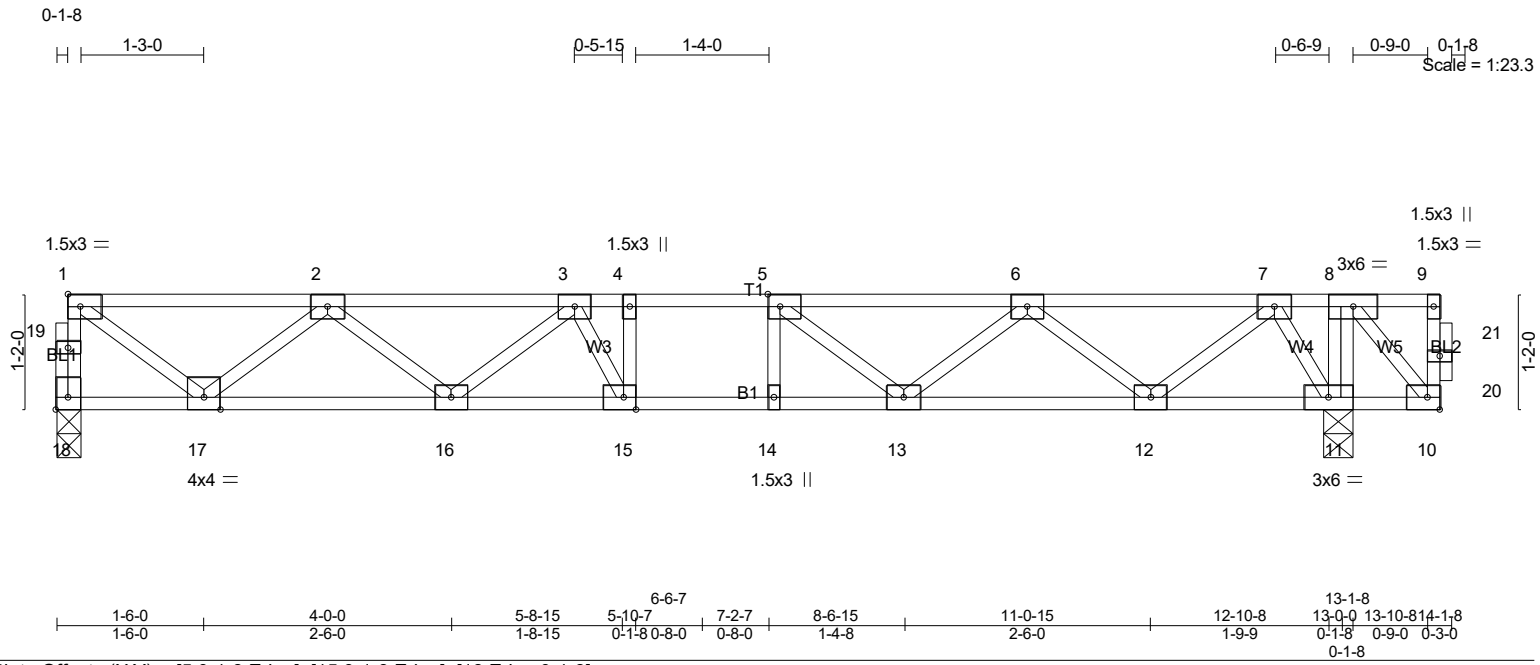

Plate Offsets (X,Y)-- [5:0-1-8,Edge], [15:0-1-8,Edge], [18:Edge,0-1-8]

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	0.29	Vert(LL)	-0.09	14	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.50	Vert(CT)	-0.12	14	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.45	Horz(CT)	0.03	11	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 75 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) 18=698/0-3-0 (min. 0-1-8), 11=815/0-3-8 (min. 0-1-8)
Max Grav 18=701(LC 3), 11=815(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 18-19=-697/0, 1-19=-695/0, 1-2=-790/0, 2-3=-1805/0, 3-4=-2166/0, 4-5=-2166/0, 5-6=-1929/0, 6-7=-1071/0
BOT CHORD 16-17=0/1474, 15-16=0/2119, 14-15=0/2166, 13-14=0/2166, 12-13=0/1663, 11-12=0/456
WEBS 1-17=0/955, 2-17=-891/0, 2-16=0/431, 3-16=-408/0, 3-15=-164/376, 5-13=-419/0, 6-13=0/385, 6-12=-775/0, 7-12=0/805, 7-11=-852/0

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

LOAD CASE(S) Standard

12/12/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0018 CAMPBELL RIDGE | 211 ALDEN WAY ANGIER, NC
24-B429-F02	F203	Floor	4	1	Job Reference (optional) **# 55153**

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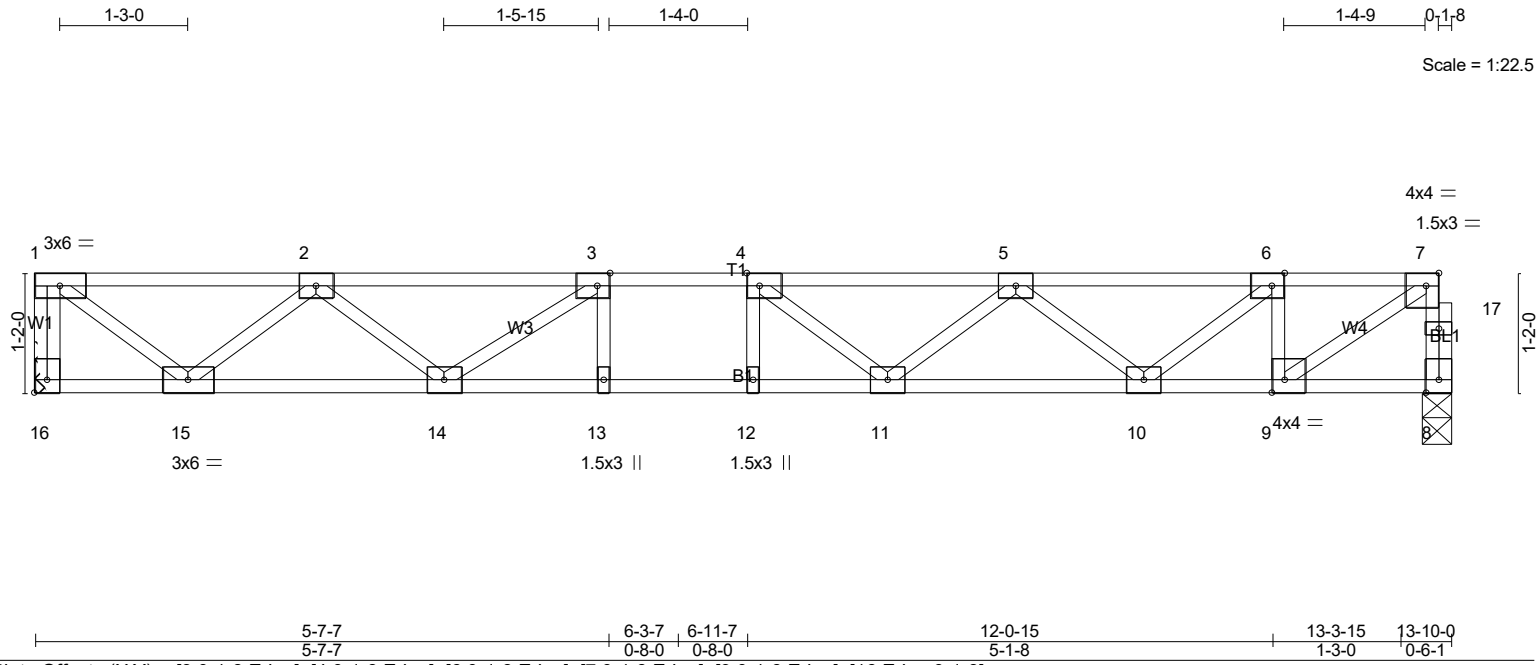

Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [6:0-1-8,Edge], [7:0-1-8,Edge], [9:0-1-8,Edge], [16:Edge,0-1-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.35	Vert(LL)	-0.12	12	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.69	Vert(CT)	-0.16	11-12	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.57	Horz(CT)	0.03	8	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 71 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=747/Mechanical, 8=741/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-16=-742/0, 8-17=-733/0, 7-17=-732/0, 1-2=-843/0, 2-3=-1948/0, 3-4=-2409/0, 4-5=-2290/0, 5-6=-1593/0, 6-7=-1028/0
BOT CHORD 14-15=0/1579, 13-14=0/2409, 12-13=0/2409, 11-12=0/2409, 10-11=0/2114, 9-10=0/1028
WEBS 1-15=0/1057, 2-15=-959/0, 2-14=0/480, 3-14=-623/0, 4-11=-351/81, 5-11=0/313, 5-10=-678/0, 6-10=0/723, 7-9=0/1196, 6-9=-666/0

NOTES- (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) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

12/12/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0018 CAMPBELL RIDGE | 211 ALDEN WAY ANGIER, NC
24-B429-F02	F204	Floor	4	1	# 55153
					Job Reference (optional)

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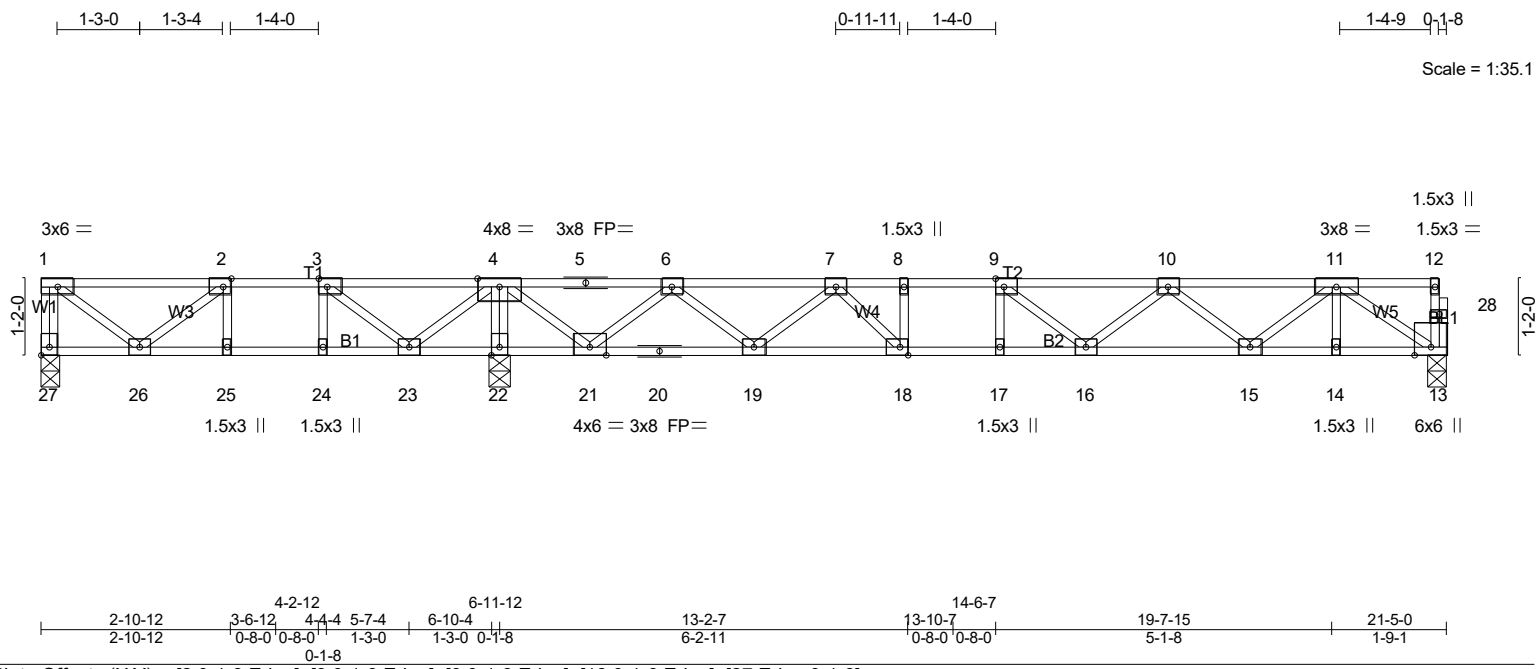

Plate Offsets (X,Y)-- [2:0-1-8,Edge], [3:0-1-8,Edge], [9:0-1-8,Edge], [18:0-1-8,Edge], [27:Edge,0-1-8]

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	0.42	Vert(LL)	-0.13	16-17	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.67	Vert(CT)	-0.17	16-17	>997	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.57	Horz(CT)	0.03	13	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 110 lb	FT = 20%F, 11%E

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

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

REACTIONS. (lb/size) 27=214/0-3-8 (min. 0-1-8), 22=1404/0-3-8 (min. 0-1-8), 13=703/0-3-8 (min. 0-1-8)
Max Uplift27=-50(LC 4)
Max Grav27=322(LC 3), 22=1404(LC 1), 13=716(LC 7)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-27=-321/42, 1-2=-266/105, 2-3=-459/331, 3-4=-62/694, 6-7=-1448/0, 7-8=-2225/0, 8-9=-2225/0, 9-10=-2163/0, 10-11=-1527/0
BOT CHORD 25-26=-331/459, 24-25=-331/459, 23-24=-331/459, 22-23=-1138/0, 21-22=-1138/0, 20-21=0/948, 19-20=0/948, 18-19=0/1946, 17-18=0/2225, 16-17=0/2225, 15-16=0/2021, 14-15=0/990, 13-14=0/990
WEBS 3-24=0/259, 8-18=-251/0, 4-22=-1349/0, 1-26=-132/333, 2-26=-245/287, 3-23=-765/0, 4-23=0/627, 4-21=0/1203, 6-21=-1112/0, 6-19=0/692, 7-19=-699/0, 7-18=0/576, 10-16=0/258, 10-15=-644/0, 11-15=0/686, 11-13=-1185/0

NOTES- (6)
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 50 lb uplift at joint 27.
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

12/12/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0018 CAMPBELL RIDGE | 211 ALDEN WAY ANGIER, NC
24-B429-F02	F205	Floor	2	1	Job Reference (optional) **# 55153**

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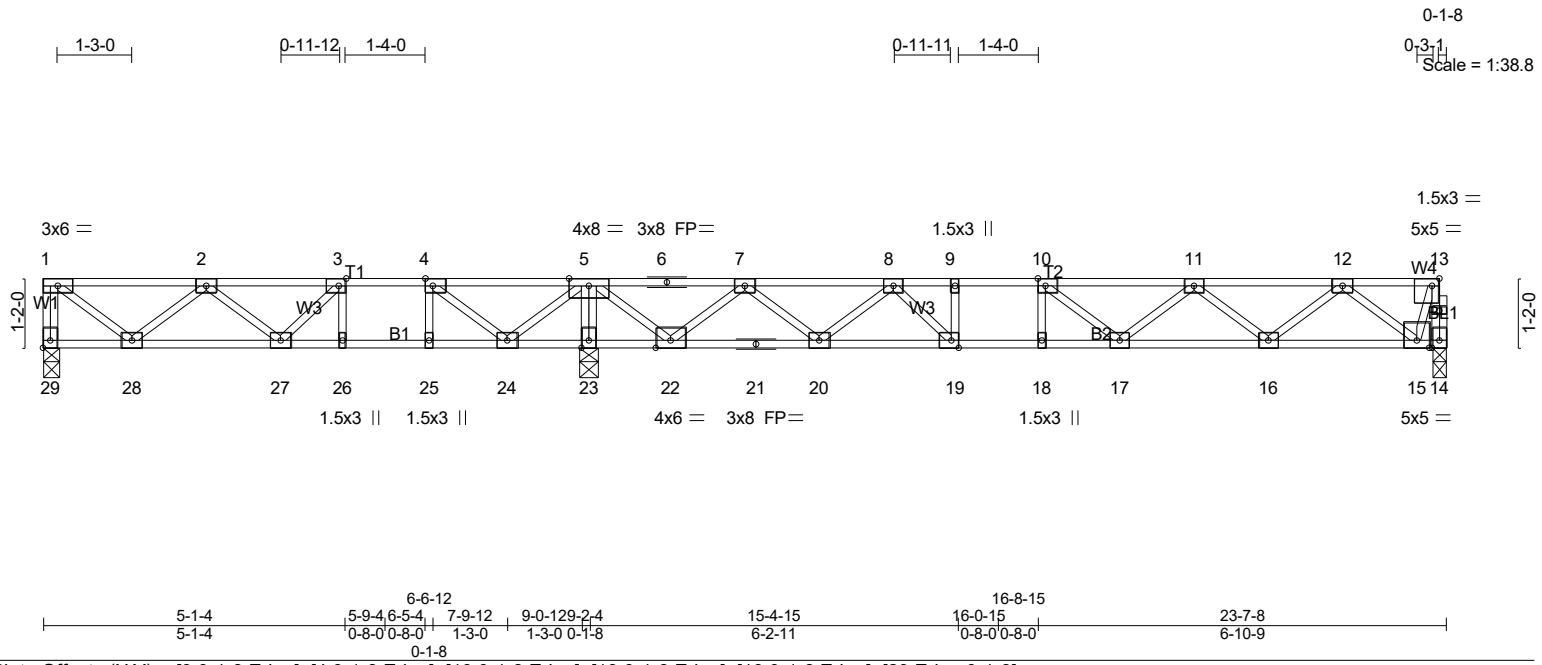

Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [10:0-1-8,Edge], [13:0-1-8,Edge], [19:0-1-8,Edge], [29:Edge,0-1-8]

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	0.49	Vert(LL)	-0.12	17-18	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.67	Vert(CT)	-0.17	17-18	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.58	Horz(CT)	0.03	14	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 121 lb	FT = 20%F, 11%E

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

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

REACTIONS. (lb/size) 29=358/0-3-8 (min. 0-1-8), 14=698/0-3-0 (min. 0-1-8), 23=1515/0-3-8 (min. 0-1-8)
Max Grav 29=449(LC 3), 14=710(LC 7), 23=1515(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-29=-441/0, 13-14=-715/0, 1-2=-448/21, 2-3=-845/197, 3-4=-746/426, 4-5=-146/796, 5-6=0/259, 6-7=0/259, 7-8=-1318/0, 8-9=-2134/0, 9-10=-2134/0, 10-11=-2095/0, 11-12=-1496/0
BOT CHORD 27-28=-57/840, 26-27=-426/746, 25-26=-426/746, 24-25=-426/746, 23-24=-1227/0, 22-23=-1227/0, 21-22=0/805, 20-21=0/805, 19-20=0/1833, 18-19=0/2134, 17-18=0/2134, 16-17=0/1970, 15-16=0/998
WEBS 3-26=-322/0, 4-25=0/318, 9-19=-259/0, 5-23=-1451/0, 1-28=-27/562, 2-28=-510/46, 3-27=0/414, 4-24=-978/0, 5-24=0/797, 5-22=0/1217, 7-22=-1127/0, 7-20=0/701, 8-20=-710/0, 8-19=0/594, 11-16=-617/0, 12-16=0/648, 12-15=-988/0, 13-15=0/698

NOTES- (5)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
4) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

12/12/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0018 CAMPBELL RIDGE | 211 ALDEN WAY ANGIER, NC
24-B429-F02	F206	Floor Supported Gable	1	1	Job Reference (optional) **# 55153**

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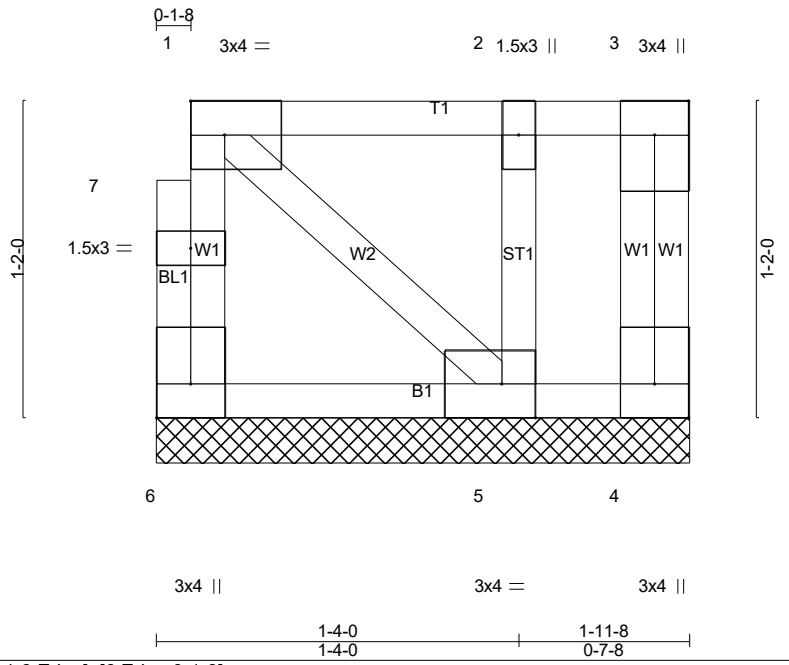

Plate Offsets (X,Y)-- [4:Edge,0-1-8], [5:0-1-8,Edge], [6:Edge,0-1-8]

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	0.05	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	4	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-P							Weight: 14 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 1-11-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 6=50/1-11-8 (min. 0-1-8), 4=2/1-11-8 (min. 0-1-8), 5=130/1-11-8 (min. 0-1-8)

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

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0018 CAMPBELL RIDGE | 211 ALDEN WAY ANGIER, NC
24-B429-F02	F207	Floor	4	1	# 55153
					Job Reference (optional)

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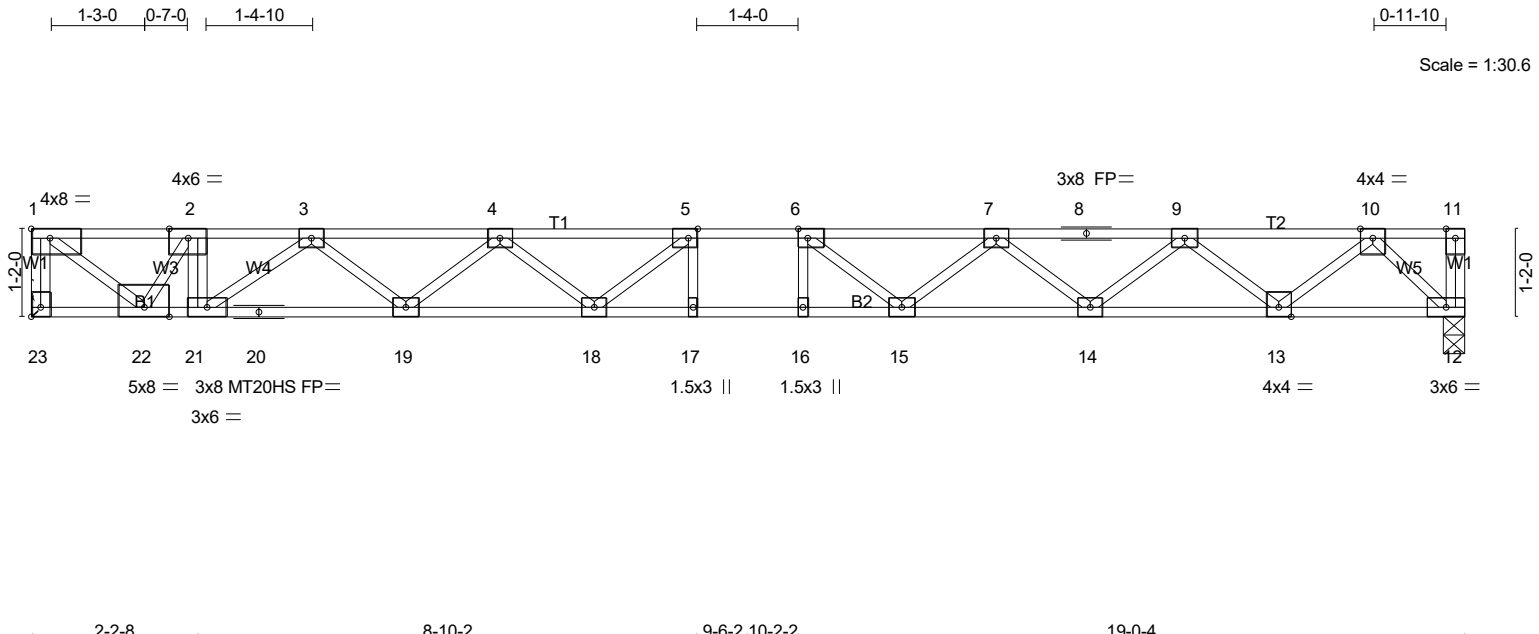

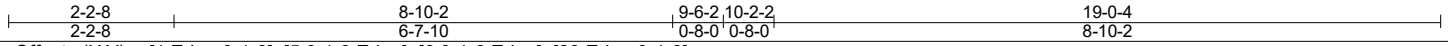

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [5:0-1-8,Edge], [6:0-1-8,Edge], [23:Edge,0-1-8]

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	0.55	Vert(LL)	-0.24	16-17	>934	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.96	Vert(CT)	-0.42	17	>536	360	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	NO	WB	0.91	Horz(CT)	0.07	12	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 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=1222/Mechanical, 12=755/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-23=-1212/0, 1-2=-1519/0, 2-3=-2302/0, 3-4=-3234/0, 4-5=-3646/0, 5-6=-3687/0, 6-7=-3388/0, 7-8=-2659/0, 8-9=-2659/0, 9-10=-1481/0
BOT CHORD 21-22=0/2302, 20-21=0/2892, 19-20=0/2892, 18-19=0/3558, 17-18=0/3687, 16-17=0/3687, 15-16=0/3687, 14-15=0/3121, 13-14=0/2173, 12-13=0/769
WEBS 2-21=0/421, 1-22=0/1906, 2-22=-1392/0, 4-19=-421/0, 3-19=0/446, 3-21=-716/0, 6-15=-555/0, 7-15=0/434, 7-14=-602/0, 9-14=0/632, 9-13=-901/0, 10-13=0/927, 10-12=-1062/0

NOTES- (8)
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) Load case(s) 1, 2, 3, 4, 5, 6 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
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.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 12-23=-7, 1-11=-67
Concentrated Loads (lb)
Vert: 2=-600
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 12-23=-7, 1-11=-67
Concentrated Loads (lb)
Vert: 2=-600
3) 1st chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 12-23=-7, 1-6=-67, 6-11=-13

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Continued on page 2

LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 2=-600
4) 2nd chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 12-23=-7, 1-5=-13, 5-11=-67
Concentrated Loads (lb)
Vert: 2=-600
5) 3rd chase Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 12-23=-7, 1-6=-67, 6-11=-13
Concentrated Loads (lb)
Vert: 2=-600
6) 4th chase Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 12-23=-7, 1-5=-13, 5-11=-67
Concentrated Loads (lb)
Vert: 2=-600

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0018 CAMPBELL RIDGE | 211 ALDEN WAY ANGIER, NC
24-B429-F02	F209	Floor	9	1	Job Reference (optional) **# 55153**

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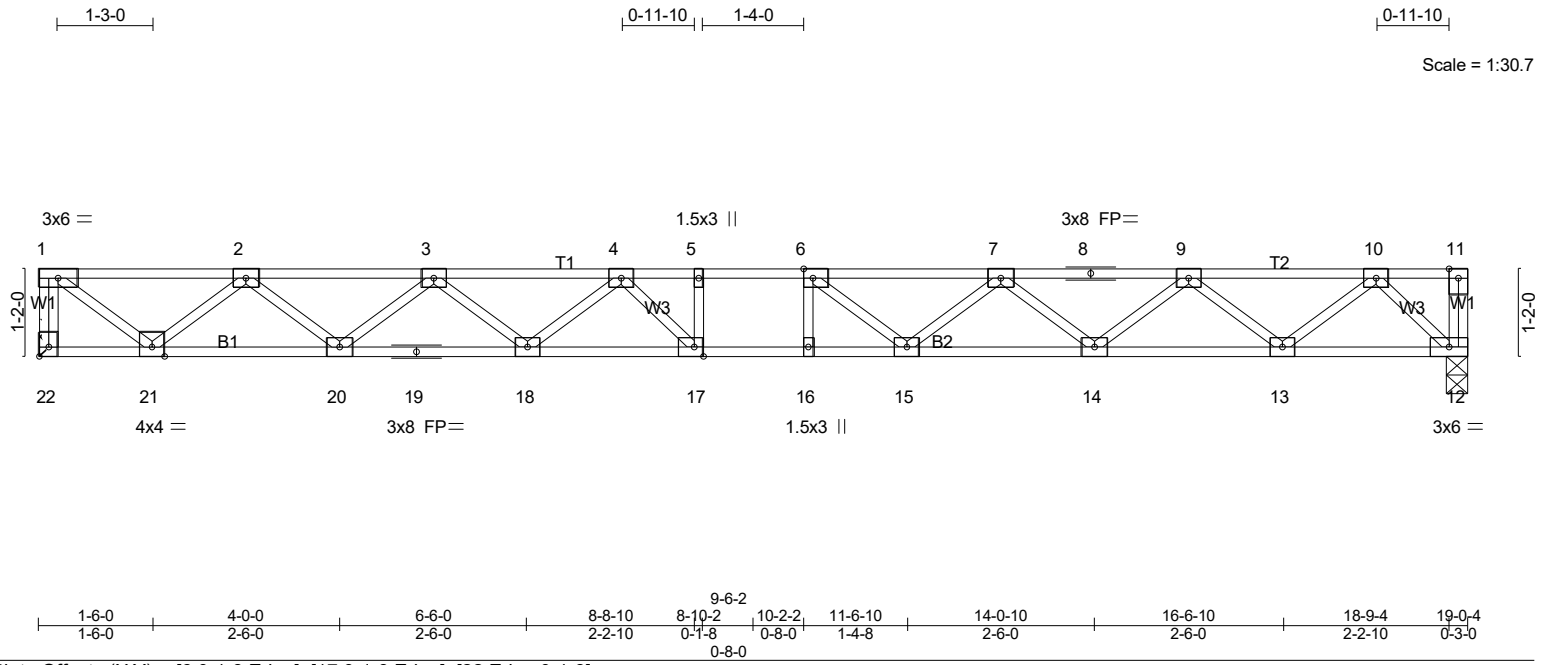

Plate Offsets (X,Y)-- [6:0-1-8,Edge], [17:0-1-8,Edge], [22:Edge,0-1-8]

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	0.32	Vert(LL)	-0.24	16	>929	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.62	Vert(CT)	-0.33	16	>676	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.48	Horz(CT)	0.06	12	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 96 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=688/Mechanical, 12=688/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-22=-683/0, 1-2=-808/0, 2-3=-2014/0, 3-4=-2748/0, 4-5=-3082/0, 5-6=-3082/0, 6-7=-2921/0, 7-8=-2351/0, 8-9=-2351/0, 9-10=-1332/0
BOT CHORD 20-21=0/1526, 19-20=0/2480, 18-19=0/2480, 17-18=0/3003, 16-17=0/3082, 15-16=0/3082, 14-15=0/2741, 13-14=0/1943, 12-13=0/700
WEBS 1-21=0/1013, 2-21=-936/0, 2-20=0/635, 3-20=-606/0, 3-18=0/350, 4-18=-334/0, 4-17=-141/352, 6-15=-374/50, 7-15=0/323, 7-14=-508/0, 9-14=0/532, 9-13=-795/0, 10-13=0/822, 10-12=-967/0

NOTES- (5-6)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) 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

12/12/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0018 CAMPBELL RIDGE | 211 ALDEN WAY ANGIER, NC
24-B429-F02	F211	Floor	1	1	# 55153
					Job Reference (optional)

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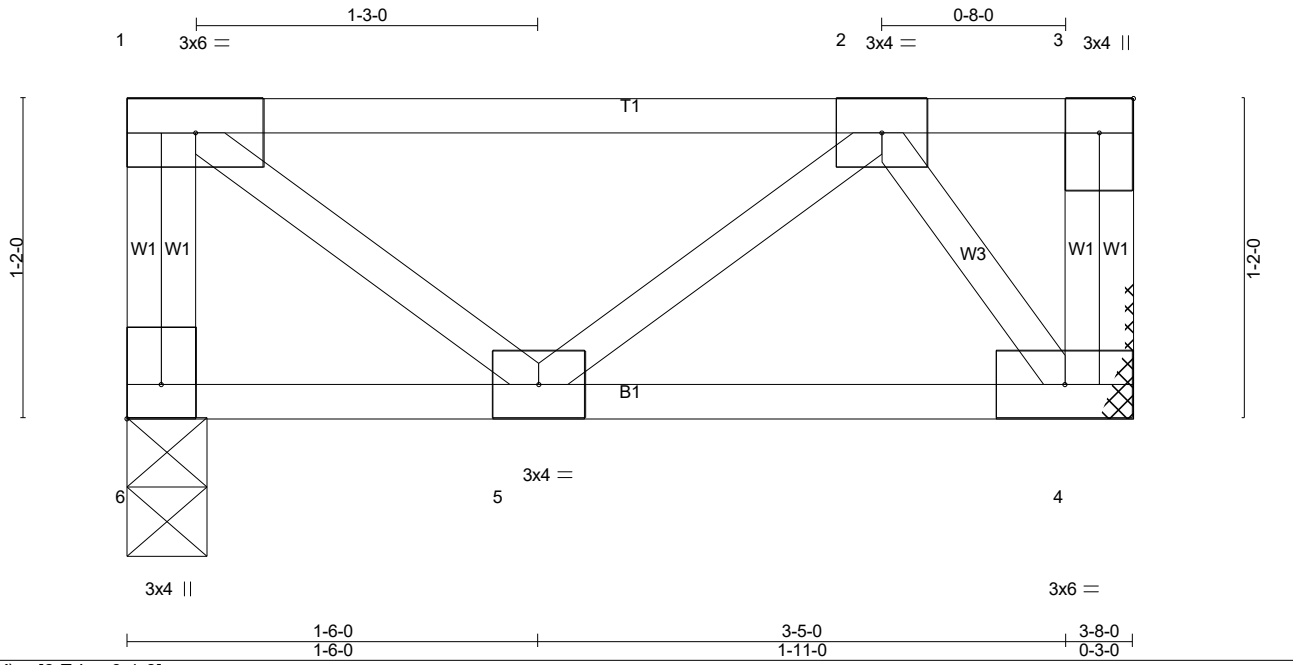

Plate Offsets (X,Y)-- [6:Edge,0-1-8]

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	0.27	Vert(LL)	-0.00	5	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.05	Vert(CT)	-0.00	4-5	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	4	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-P							Weight: 23 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 3-8-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 6=188/0-3-8 (min. 0-1-8), 4=188/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-4=-280/0

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

12/12/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0018 CAMPBELL RIDGE | 211 ALDEN WAY ANGIER, NC
24-B429-F02	F212	Floor Girder	1	1	Job Reference (optional) **# 55153**

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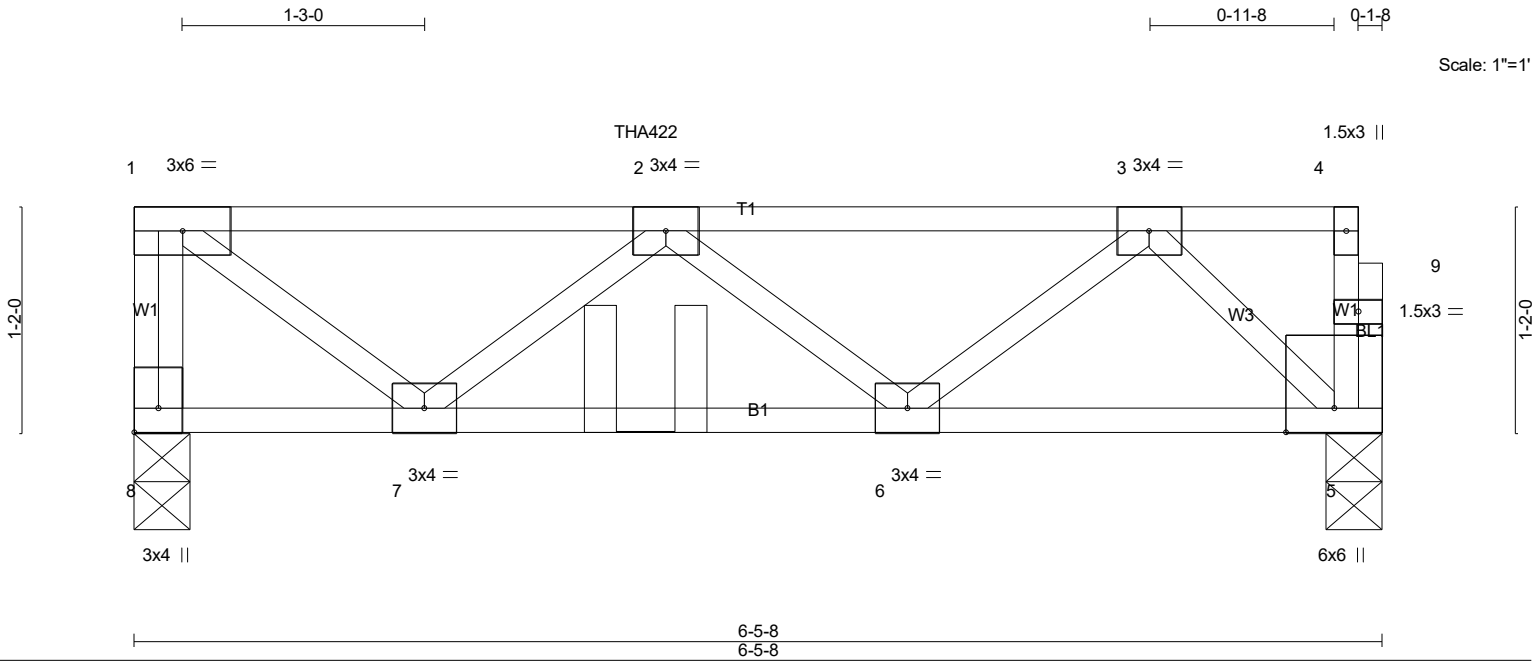

Plate Offsets (X,Y)-- [8:Edge,0-1-8]

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	0.32	Vert(LL)	-0.01	6	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.15	Vert(CT)	-0.01	6-7	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.21	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=372/0-3-8 (min. 0-1-8), 5=358/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-8=-367/0, 1-2=-347/0, 2-3=-506/0
BOT CHORD 6-7=0/638, 5-6=0/342
WEBS 1-7=0/435, 2-7=-379/0, 3-5=-473/0

NOTES- (6-7)
1) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
2) CAUTION, Do not erect truss backwards.
3) Use Simpson Strong-Tie THA422 (Single Chord Girder) or equivalent at 2-7-12 from the left end to connect truss(es) F213 (1 ply 2x4 SP) to front face of top chord, skewed 0.0 deg.to the right, sloping 0.0 deg. down.
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: 5-8=-10, 1-4=-100
Concentrated Loads (lb)
Vert: 2=-54(F)

12/12/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0018 CAMPBELL RIDGE | 211 ALDEN WAY ANGIER, NC
24-B429-F02	F213	Floor Girder	1	1	Job Reference (optional) **# 55153**

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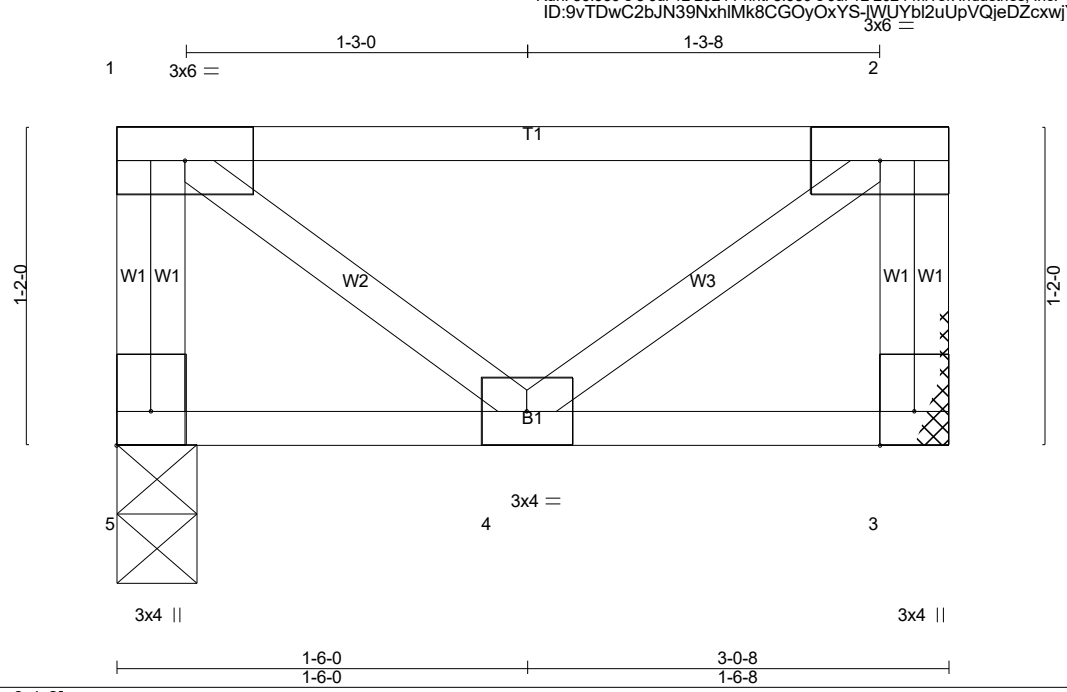

Plate Offsets (X,Y)-- [5:Edge,0-1-8]

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	0.54	Vert(LL)	-0.00	4	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	-0.00	4	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.01	Horz(CT)	0.00		n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-P							Weight: 19 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 3-0-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 5=154/0-3-8 (min. 0-1-8), 3=154/Mechanical

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

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

12/12/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0018 CAMPBELL RIDGE | 211 ALDEN WAY ANGIER, NC
24-B429-F02	F215	Floor Supported Gable	1	1	Job Reference (optional) **# 55153**

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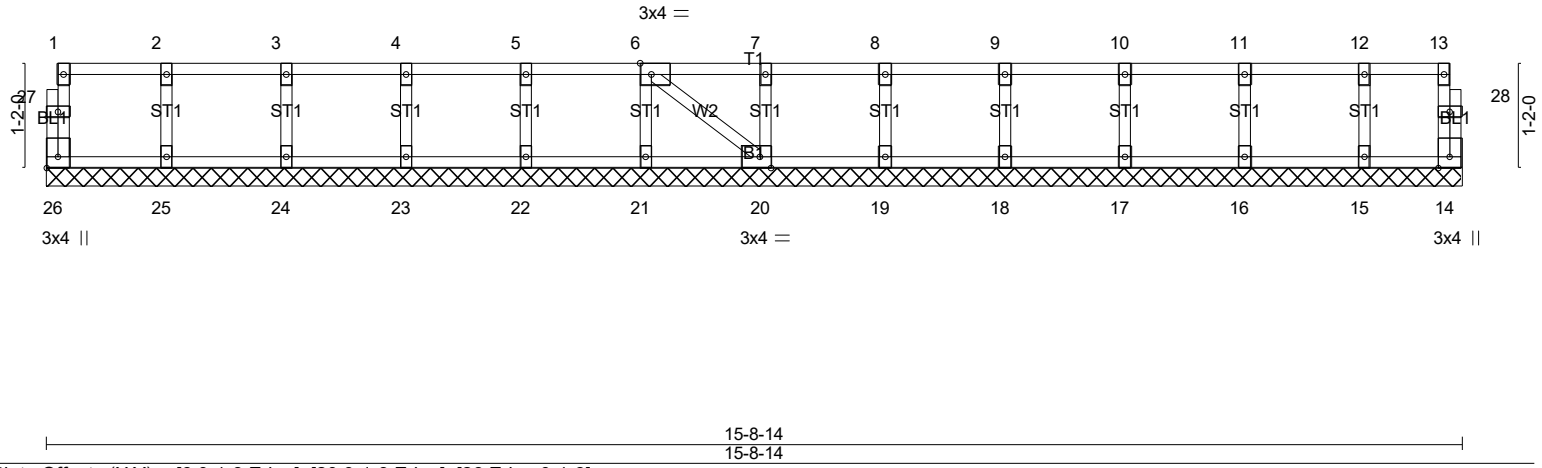

Plate Offsets (X,Y)-- [6:0-1-8,Edge], [20:0-1-8,Edge], [26:Edge,0-1-8]

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 15-8-14.
(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- (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

12/12/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0018 CAMPBELL RIDGE | 211 ALDEN WAY ANGIER, NC
24-B429-F02	F216	Floor	3	1	# 55153
					Job Reference (optional)

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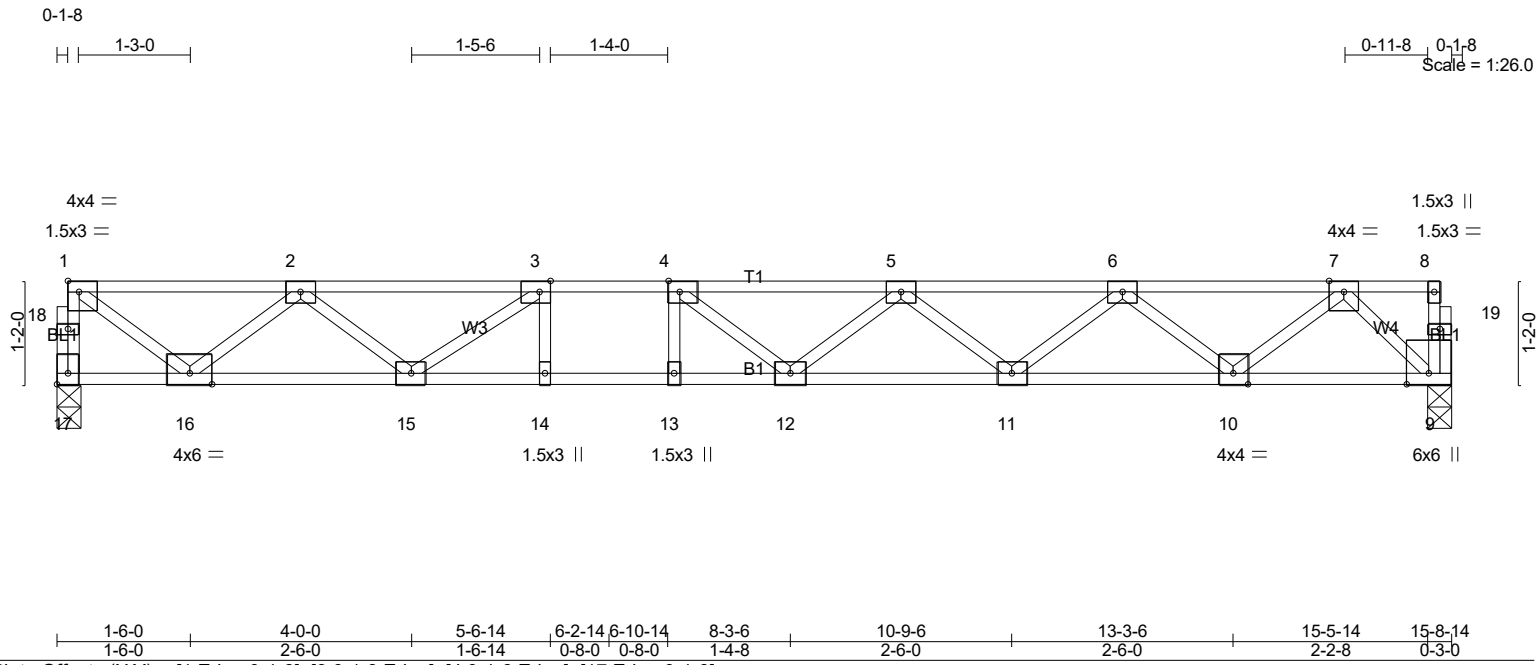

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [3:0-1-8,Edge], [4:0-1-8,Edge], [17:Edge,0-1-8]

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	0.57	Vert(LL)	-0.21	12-13	>884	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.99	Vert(CT)	-0.29	12-13	>643	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.57	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 2-2-0 oc bracing.

REACTIONS. (lb/size) 17=846/0-3-6 (min. 0-1-8), 9=846/0-3-0 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 17-18=-844/0, 1-18=-843/0, 1-2=-981/0, 2-3=-2337/0, 3-4=-3017/0, 4-5=-3108/0, 5-6=-2690/0, 6-7=-1587/0
BOT CHORD 15-16=0/1828, 14-15=0/3017, 13-14=0/3017, 12-13=0/3017, 11-12=0/3076, 10-11=0/2285, 9-10=0/856
WEBS 3-14=-24/270, 4-13=-265/50, 1-16=0/1187, 2-16=-1103/0, 2-15=0/663, 3-15=-866/0, 4-12=-230/319, 5-11=-503/0, 6-11=0/527, 6-10=-908/0, 7-10=0/953, 7-9=-1186/0

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

LOAD CASE(S) Standard

12/12/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0018 CAMPBELL RIDGE | 211 ALDEN WAY ANGIER, NC
24-B429-F02	F217	Floor	1	1	# 55153
					Job Reference (optional)

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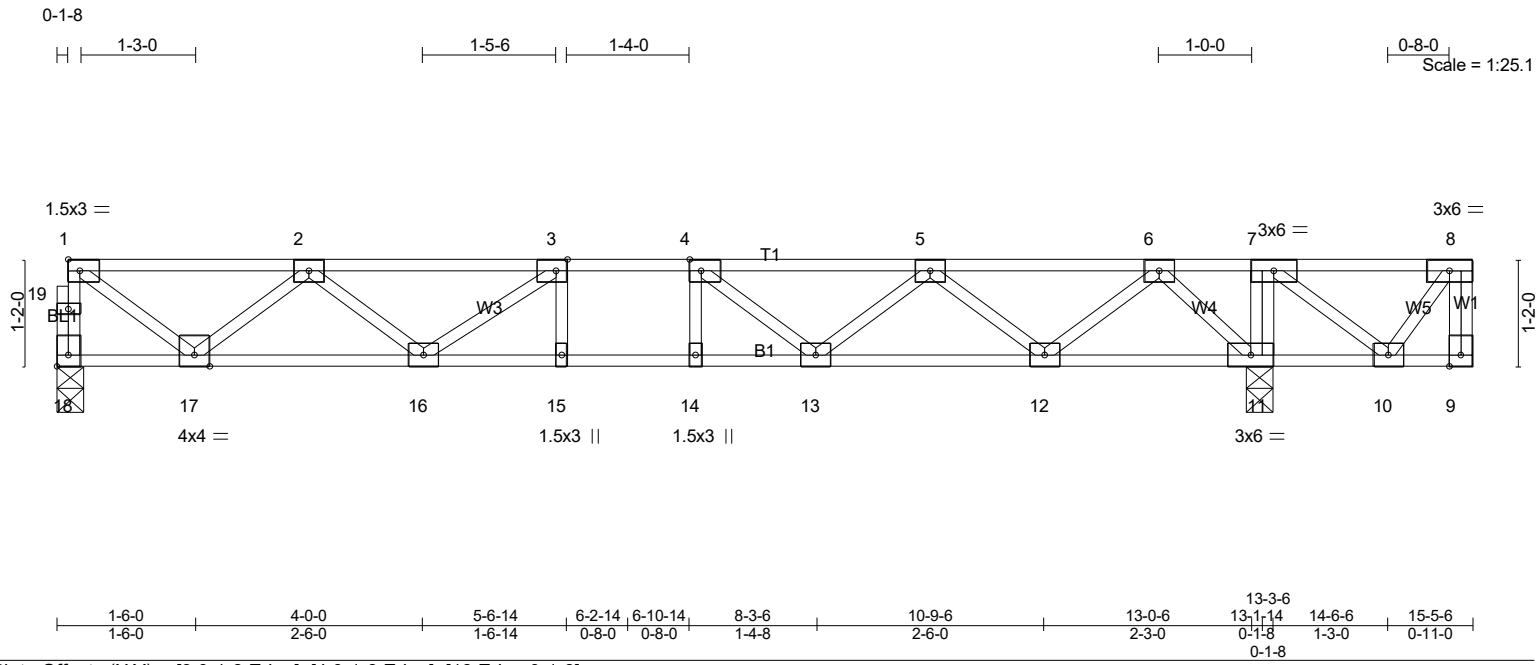

Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [18:Edge,0-1-8]

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)	-0.10	14	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.60	Vert(CT)	-0.13	14	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.46	Horz(CT)	0.03	11	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, Except:
6-0-0 oc bracing: 11-12,10-11.

REACTIONS. (lb/size) 18=691/0-3-6 (min. 0-1-8), 11=975/0-3-8 (min. 0-1-8)
Max Grav 18=705(LC 3), 11=975(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 18-19=-701/0, 1-19=-700/0, 1-2=-797/0, 2-3=-1816/0, 3-4=-2197/0, 4-5=-2018/0, 5-6=-1250/0
BOT CHORD 16-17=0/1489, 15-16=0/2197, 14-15=0/2197, 13-14=0/2197, 12-13=0/1802, 11-12=-34/673
WEBS 7-11=-294/0, 1-17=0/964, 2-17=-900/0, 2-16=0/426, 3-16=-540/0, 4-13=-425/8, 5-13=0/364, 5-12=-743/0, 6-12=0/776, 6-11=-987/0

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

LOAD CASE(S) Standard

12/12/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0018 CAMPBELL RIDGE | 211 ALDEN WAY ANGIER, NC
24-B429-F02	F218	Floor	1	1	Job Reference (optional) **# 55153**

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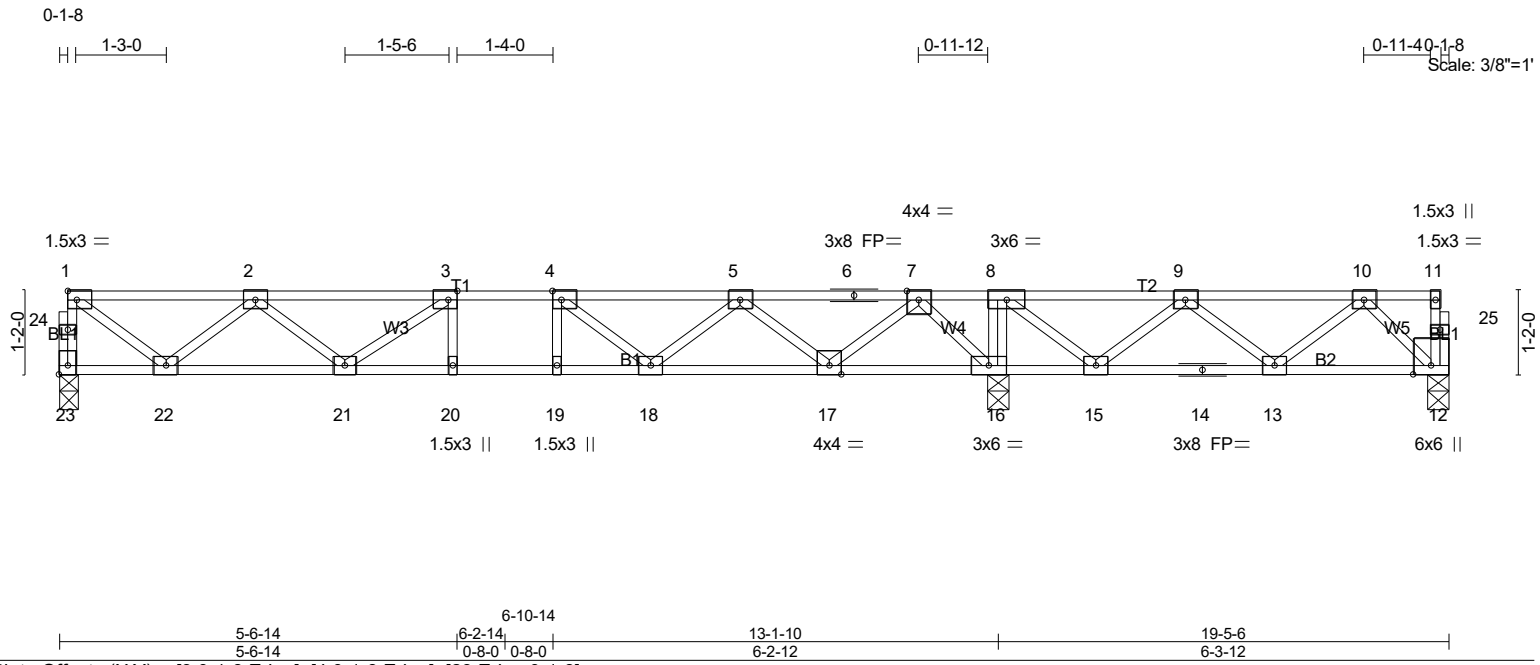

Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [23:Edge,0-1-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.41	Vert(LL)	-0.07	20-21	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.52	Vert(CT)	-0.10	20	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.44	Horz(CT)	0.02	16	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 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) 23=597/0-3-6 (min. 0-1-8), 16=1403/0-3-8 (min. 0-1-8), 12=99/0-3-8 (min. 0-1-8)
Max Uplift12=-129(LC 3)
Max Grav 23=605(LC 3), 16=1403(LC 1), 12=254(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 23-24=-599/0, 1-24=-598/0, 1-2=-666/0, 2-3=-1444/0, 3-4=-1612/0, 4-5=-1238/0, 7-8=0/1342, 8-9=0/921, 9-10=-272/358
BOT CHORD 21-22=0/1247, 20-21=0/1612, 19-20=0/1612, 18-19=0/1612, 17-18=0/889, 16-17=-574/0, 15-16=-1342/0, 14-15=-608/276, 13-14=-608/276
WEBS 8-16=-630/0, 1-22=0/805, 2-22=-756/0, 2-21=0/256, 3-21=-280/0, 4-18=-518/0, 5-18=0/465, 5-17=-876/0, 7-17=0/915, 7-16=-1125/0, 8-15=0/723, 9-15=-664/0, 9-13=-4/326, 10-13=-281/47, 10-12=-330/199

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 129 lb uplift at joint 12.
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

12/12/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0018 CAMPBELL RIDGE | 211 ALDEN WAY ANGIER, NC
24-B429-F02	F219	Floor	1	1	# 55153
					Job Reference (optional)

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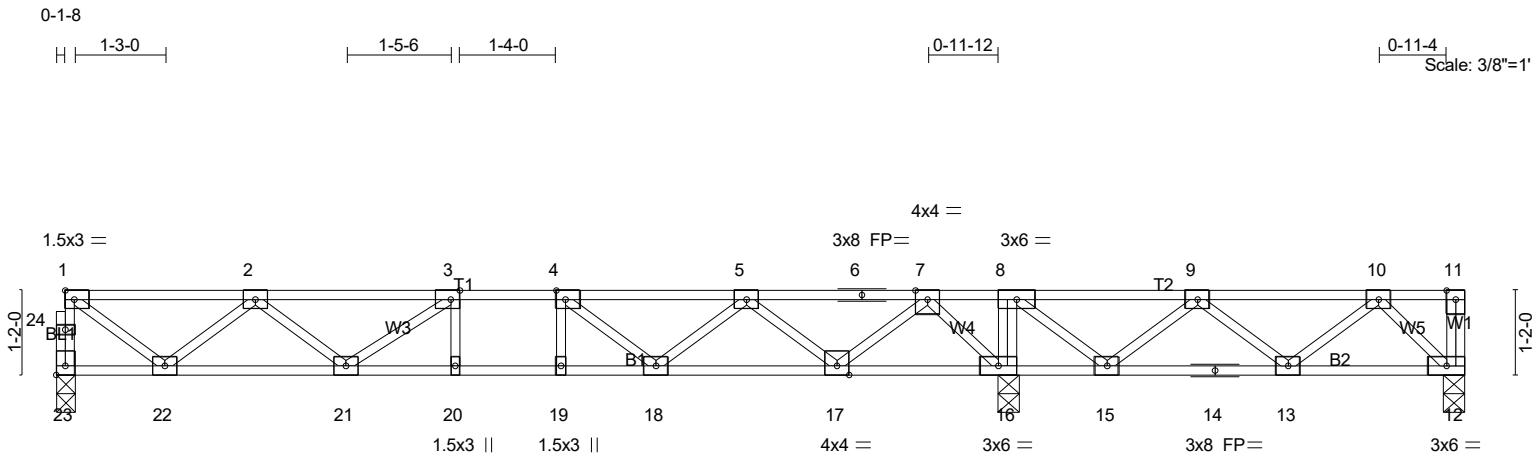

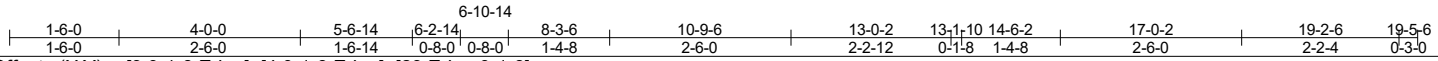

Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [23:Edge,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.41	Vert(LL)	-0.07	20-21	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.52	Vert(CT)	-0.10	20	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.44	Horz(CT)	0.02	16	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 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) 23=597/0-3-6 (min. 0-1-8), 12=105/0-3-8 (min. 0-1-8), 16=1403/0-3-8 (min. 0-1-8)
Max Uplift12=-127(LC 3)
Max Grav 23=605(LC 3), 12=261(LC 4), 16=1403(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 23-24=-599/0, 1-24=-598/0, 1-2=-666/0, 2-3=-1444/0, 3-4=-1612/0, 4-5=-1238/0, 7-8=0/1342, 8-9=0/921, 9-10=-273/358
BOT CHORD 21-22=0/1247, 20-21=0/1612, 19-20=0/1612, 18-19=0/1612, 17-18=0/889, 16-17=-574/0, 15-16=-1342/0, 14-15=-608/276, 13-14=-608/276
WEBS 8-16=-630/0, 1-22=0/805, 2-22=-756/0, 2-21=0/256, 3-21=-280/0, 4-18=-518/0, 5-18=0/465, 5-17=-876/0, 7-17=0/915, 7-16=-1125/0, 8-15=0/723, 9-15=-664/0, 9-13=-4/325, 10-13=-281/47, 10-12=-331/199

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 127 lb uplift at joint 12.
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

12/12/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0018 CAMPBELL RIDGE | 211 ALDEN WAY ANGIER, NC
24-B429-F02	F220	Floor	2	1	Job Reference (optional) **# 55153**

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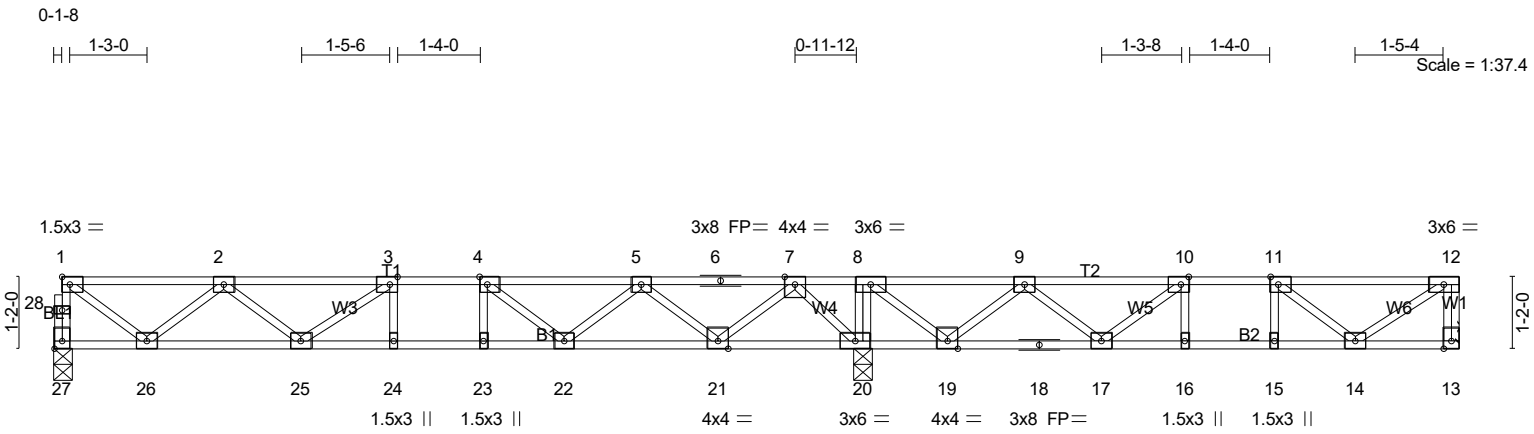


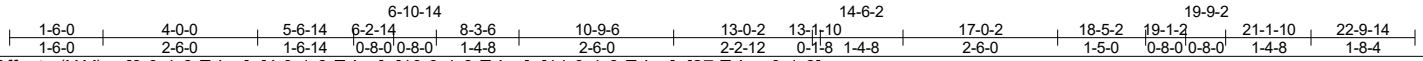


Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [10:0-1-8,Edge], [11:0-1-8,Edge], [27:Edge,0-1-8]

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	0.43	Vert(LL)	-0.07	24	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.54	Vert(CT)	-0.10	24	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.44	Horz(CT)	0.02	20	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 116 lb	FT = 20%F, 11%E

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

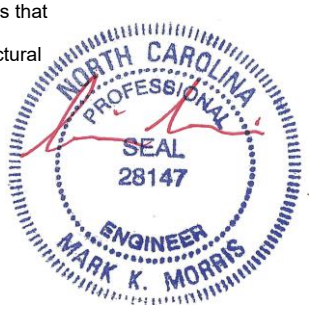
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size) 27=594/0-3-6 (min. 0-1-8), 13=369/Mechanical, 20=1514/0-3-8 (min. 0-1-8)
Max Grav 27=625(LC 10), 13=442(LC 4), 20=1514(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 27-28=-619/0, 1-28=-618/0, 12-13=-434/0, 1-2=-692/0, 2-3=-1518/0, 3-4=-1729/0, 4-5=-1393/0, 5-6=-431/273, 6-7=-431/273, 7-8=0/1474, 8-9=0/788, 9-10=-671/319, 10-11=-859/89, 11-12=-473/8
BOT CHORD 25-26=0/1295, 24-25=0/1729, 23-24=0/1729, 22-23=0/1729, 21-22=-64/1071, 20-21=-672/0, 19-20=-1474/0, 18-19=-512/462, 17-18=-512/462, 16-17=-89/859, 15-16=-89/859, 14-15=-89/859
WEBS 8-20=-738/0, 1-26=0/837, 2-26=-784/0, 2-25=0/290, 3-25=-266/38, 4-22=-564/0, 5-22=0/484, 5-21=-891/0, 7-21=0/930, 7-20=-1103/0, 8-19=0/903, 9-19=-827/0, 9-17=0/398, 10-17=-468/0, 11-14=-493/104, 12-14=-10/568

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



12/12/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0018 CAMPBELL RIDGE | 211 ALDEN WAY ANGIER, NC
24-B429-F02	F221	Floor	1	1	Job Reference (optional) **# 55153**

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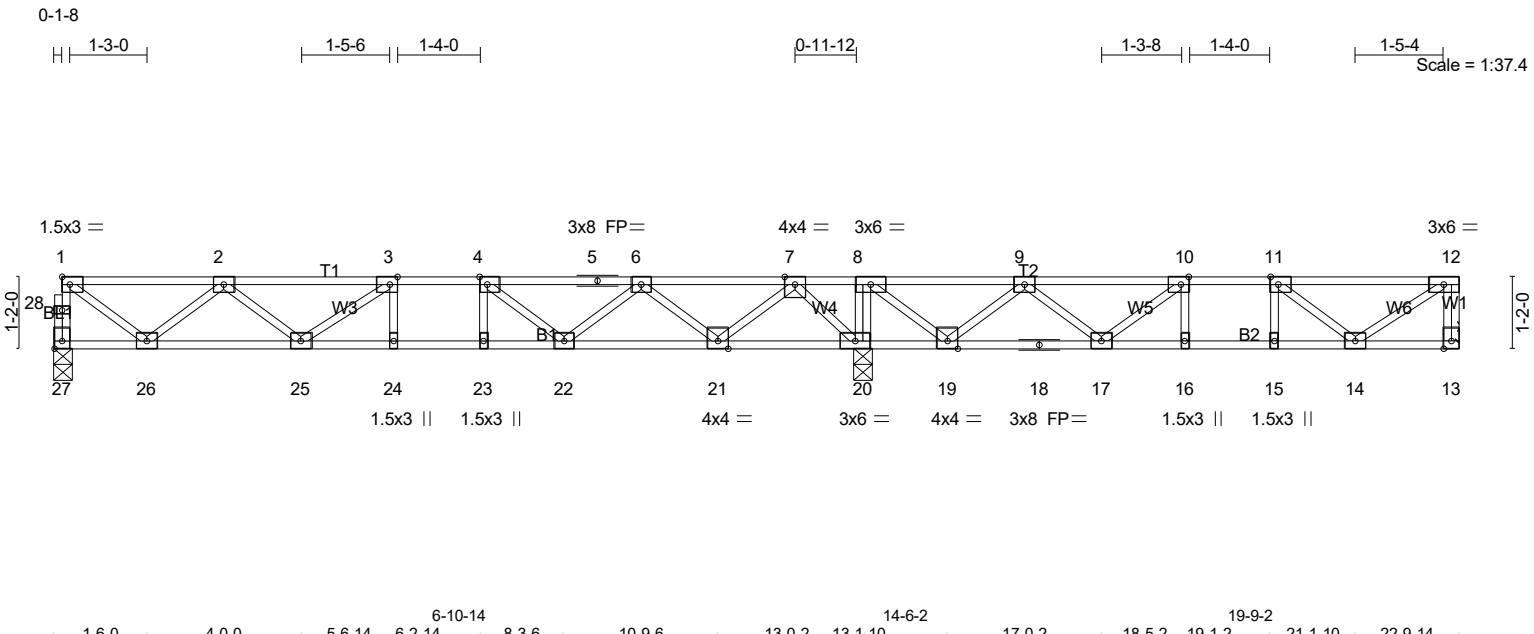


1-6-0	4-0-0	5-6-14	6-2-14	8-3-6	10-9-6	13-0-2	13-1-10	17-0-2	18-5-2	19-1-2	21-1-10	22-9-14
1-6-0	2-6-0	1-6-14	0-8-0	0-8-0	1-4-8	2-6-0	2-2-12	0-1-8	1-4-8	2-6-0	1-5-0	0-8-0	0-8-0	1-4-8	1-8-4

6-10-14 14-6-2 19-9-2

Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [10:0-1-8,Edge], [11:0-1-8,Edge], [27: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	0.43	Vert(LL)	-0.07	24	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.54	Vert(CT)	-0.10	24	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.44	Horz(CT)	0.02	20	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 116 lb	FT = 20%F, 11%E

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

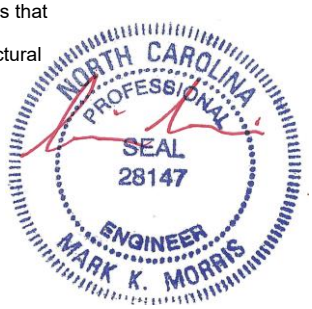
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size) 27=594/0-3-6 (min. 0-1-8), 13=369/Mechanical, 20=1514/0-3-8 (min. 0-1-8)
Max Grav 27=625(LC 10), 13=442(LC 4), 20=1514(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 27-28=-619/0, 1-28=-618/0, 12-13=-434/0, 1-2=-692/0, 2-3=-1518/0, 3-4=-1729/0, 4-5=-1393/0, 5-6=-1393/0, 6-7=-431/273, 7-8=0/1474, 8-9=0/788, 9-10=-671/319, 10-11=-859/89, 11-12=-473/8
BOT CHORD 25-26=0/1295, 24-25=0/1729, 23-24=0/1729, 22-23=0/1729, 21-22=-64/1071, 20-21=-672/0, 19-20=-1474/0, 18-19=-512/462, 17-18=-512/462, 16-17=-89/859, 15-16=-89/859, 14-15=-89/859
WEBS 8-20=-738/0, 1-26=0/837, 2-26=-784/0, 2-25=0/290, 3-25=-266/38, 4-22=-564/0, 6-22=0/484, 6-21=-891/0, 7-21=0/930, 7-20=-1103/0, 8-19=0/903, 9-19=-827/0, 9-17=0/398, 10-17=-468/0, 11-14=-493/104, 12-14=-10/568

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



12/12/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0018 CAMPBELL RIDGE | 211 ALDEN WAY ANGIER, NC
24-B429-F02	F222	Floor	14	1	Job Reference (optional) **# 55153**

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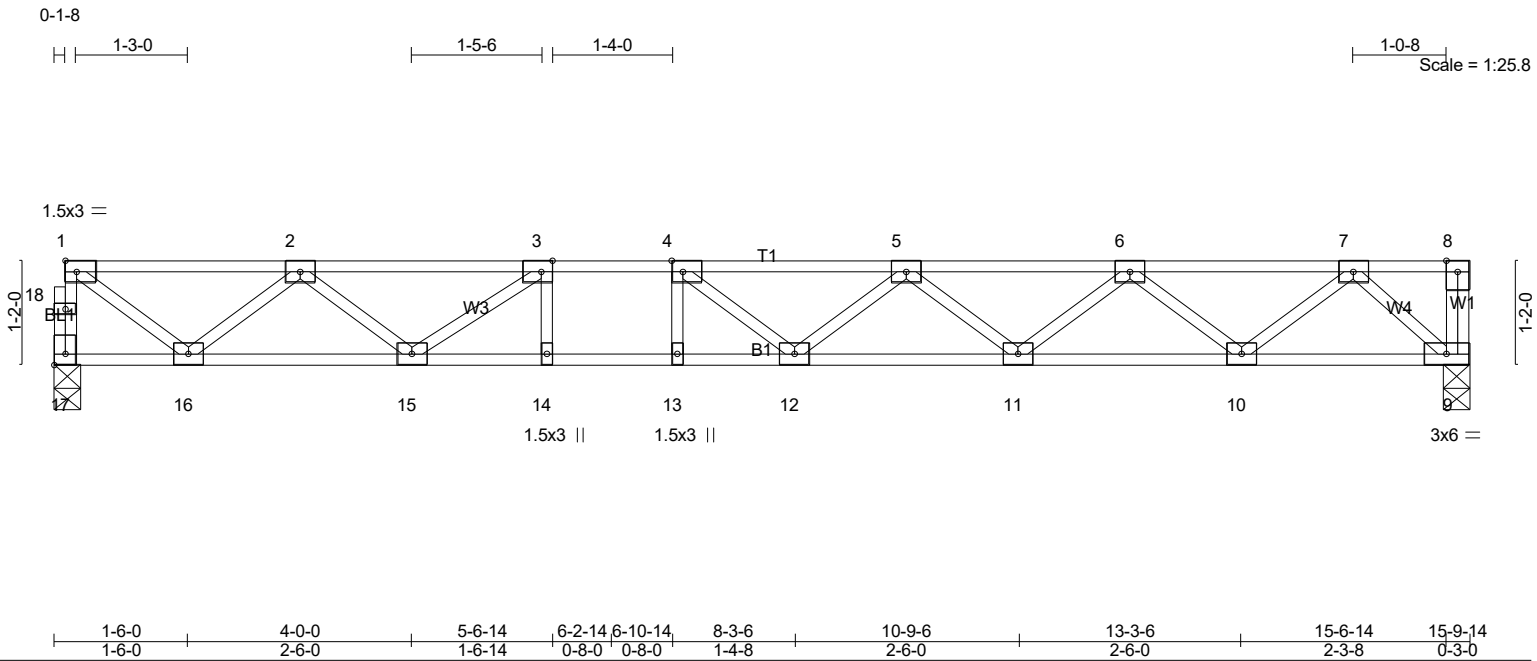

Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [17:Edge,0-1-8]

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	0.34	Vert(LL)	-0.14	12-13	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.67	Vert(CT)	-0.20	12-13	>949	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.38	Horz(CT)	0.03	9	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 80 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=567/0-3-6 (min. 0-1-8), 9=571/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 17-18=-566/0, 1-18=-565/0, 1-2=-658/0, 2-3=-1569/0, 3-4=-2029/0, 4-5=-2096/0, 5-6=-1824/0, 6-7=-1097/0
BOT CHORD 15-16=0/1226, 14-15=0/2029, 13-14=0/2029, 12-13=0/2029, 11-12=0/2079, 10-11=0/1558, 9-10=0/612
WEBS 1-16=0/796, 2-16=-740/0, 2-15=0/447, 3-15=-585/0, 5-11=-331/0, 6-11=0/347, 6-10=-600/0, 7-10=0/631, 7-9=-821/0

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

LOAD CASE(S) Standard

12/12/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0018 CAMPBELL RIDGE | 211 ALDEN WAY ANGIER, NC
24-B429-F02	F223	Floor	2	1	# 55153
					Job Reference (optional)

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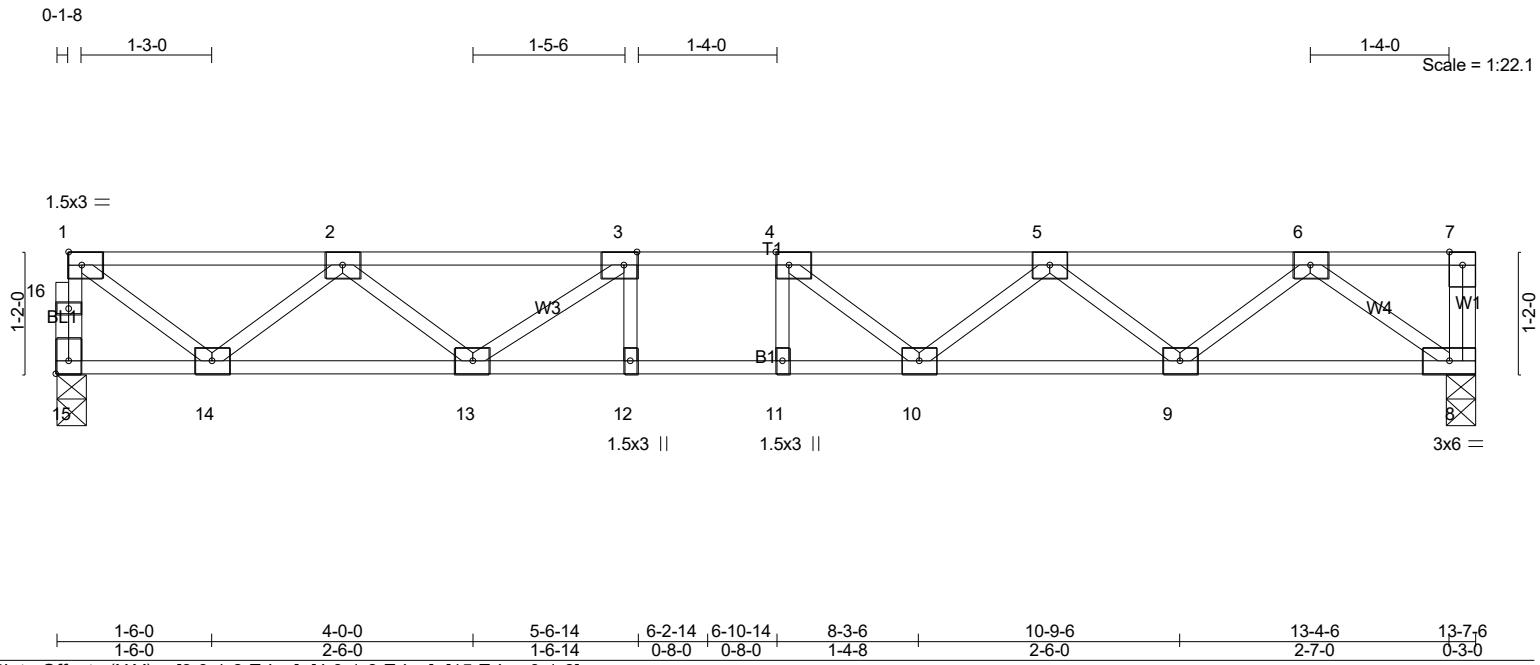

Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [15:Edge,0-1-8]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.21	Vert(LL)	-0.07	11	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.44	Vert(CT)	-0.10	11	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.32	Horz(CT)	0.02	8	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)

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

REACTIONS. (lb/size) 15=486/0-3-6 (min. 0-1-8), 8=490/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 15-16=-483/0, 1-16=-483/0, 1-2=-552/0, 2-3=-1269/0, 3-4=-1557/0, 4-5=-1467/0, 5-6=-997/0
BOT CHORD 13-14=0/1031, 12-13=0/1557, 11-12=0/1557, 10-11=0/1557, 9-10=0/1346, 8-9=0/628
WEBS 1-14=0/668, 2-14=-623/0, 2-13=0/310, 3-13=-397/0, 5-9=-453/0, 6-9=0/481, 6-8=-772/0

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

LOAD CASE(S) Standard

12/12/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0018 CAMPBELL RIDGE | 211 ALDEN WAY ANGIER, NC
24-B429-F02	F224	Floor	8	1	# 55153
					Job Reference (optional)

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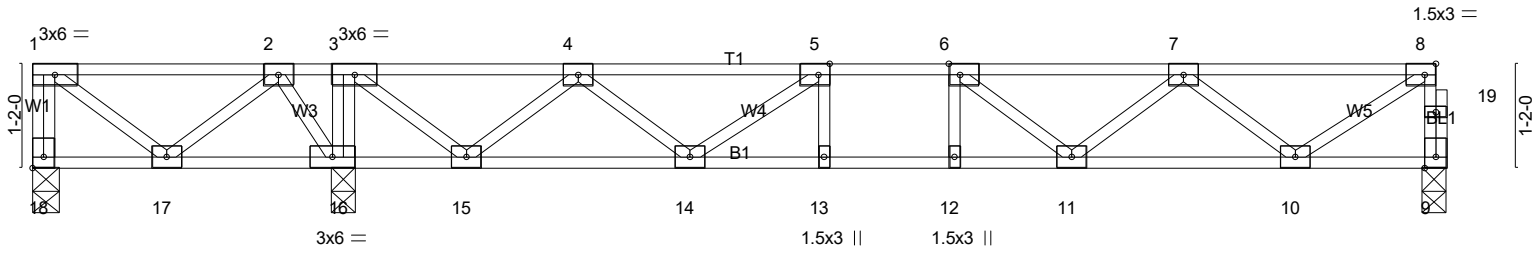
1-3-0 | 0-7-4 | 1-5-4 | 1-4-0 | 1-5-6 | 0-1-8

Scale = 1:25.8



1-6-0	3-4-4	3-5-12	4-10-4	7-4-4	8-11-0	9-7-0	10-3-0	11-7-8	14-1-8	15-9-14
1-6-0	1-10-4	0-1-8	1-4-8	2-6-0	1-6-12	0-8-0	0-8-0	1-4-8	2-6-0	1-8-6

Plate Offsets (X,Y)-- [5:0-1-8,Edge], [6:0-1-8,Edge], [8:0-1-8,Edge], [18: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	0.30	Vert(LL)	-0.05	11-12	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.35	Vert(CT)	-0.06	11-12	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.33	Horz(CT)	0.01	9	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 83 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: 16-17,15-16.

REACTIONS. (lb/size) 18=-114/0-3-8 (min. 0-1-8), 9=379/0-3-6 (min. 0-1-8), 16=872/0-3-8 (min. 0-1-8)
Max Uplift18=-199(LC 4)
Max Grav 18=54(LC 3), 9=380(LC 4), 16=872(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 9-19=-375/0, 8-19=-375/0, 1-2=0/285, 2-3=0/726, 4-5=-604/0, 5-6=-938/0, 6-7=-898/0, 7-8=-462/0
BOT CHORD 16-17=-557/0, 15-16=-726/0, 14-15=0/332, 13-14=0/938, 12-13=0/938, 11-12=0/938, 10-11=0/812
WEBS 3-16=-543/0, 1-17=-358/0, 2-17=0/353, 2-16=-421/0, 3-15=0/698, 4-15=-640/0, 4-14=0/355, 5-14=-410/0, 7-10=-456/0, 8-10=0/533

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 199 lb uplift at joint 18.
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

12/12/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0018 CAMPBELL RIDGE | 211 ALDEN WAY ANGIER, NC
24-B429-F02	F225	Floor Supported Gable	1	1	# 55153
					Job Reference (optional)

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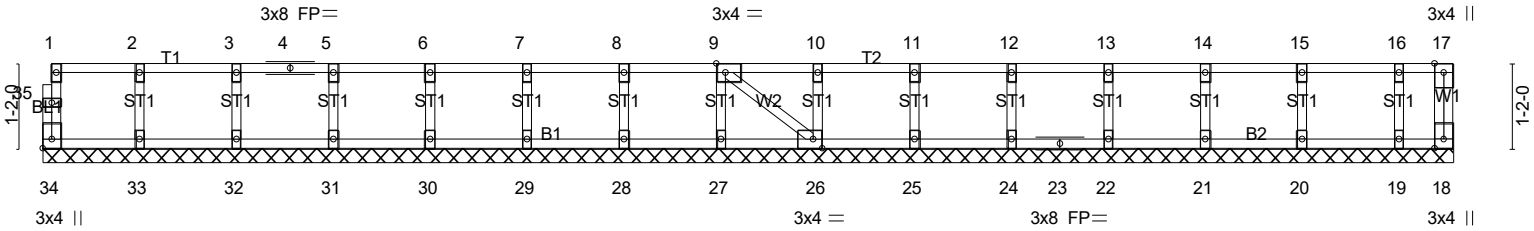
0-1-8

Scale: 3/8"=1'



19-4-14
19-4-14

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.06	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	18	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 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 19-4-14.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 34, 18, 33, 32, 31, 30, 29, 28, 27, 26, 25, 24, 22, 21, 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) 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

12/12/2024