Mark Morris, P.E.

Mark Morris Digitally signed by Mark Morris
Date: 2025-04-24 14:38:00

#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 #: 58815
JOB: 25-3580-F01
JOB NAME: LOT 0.0024 CAMPBELL RIDGE
Wind Code: N/A
Wind Speed: Vult= N/A
Exposure Category: N/A
Mean Roof Height (feet): N/A
These truss designs comply with IRC 2015 as well as IRC 2018.
14 Truss Design(s)

Trusses:
F101, F102, F103, F104, F105, F106, F107, F108, F109, F110, F111, F112, F113, F114

4/24/2025
Mark Morris

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

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

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0024 CAMPBELL RIDGE | 81 PINON DRIVE ANGIER, NC
25-3580-F01	F101	Floor Supported Gable	1	1	Job Reference (optional) **# 58815**

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 14:19:17 2025 Page 1
ID:y8qAl9sFAzmFNhzVzc_UDUzeNRS-8HEC6ATwJNEwChXec3t4mf0kZhW8P61UqpkPVTzNV?O

0-1-8

Scale = 1:21.7

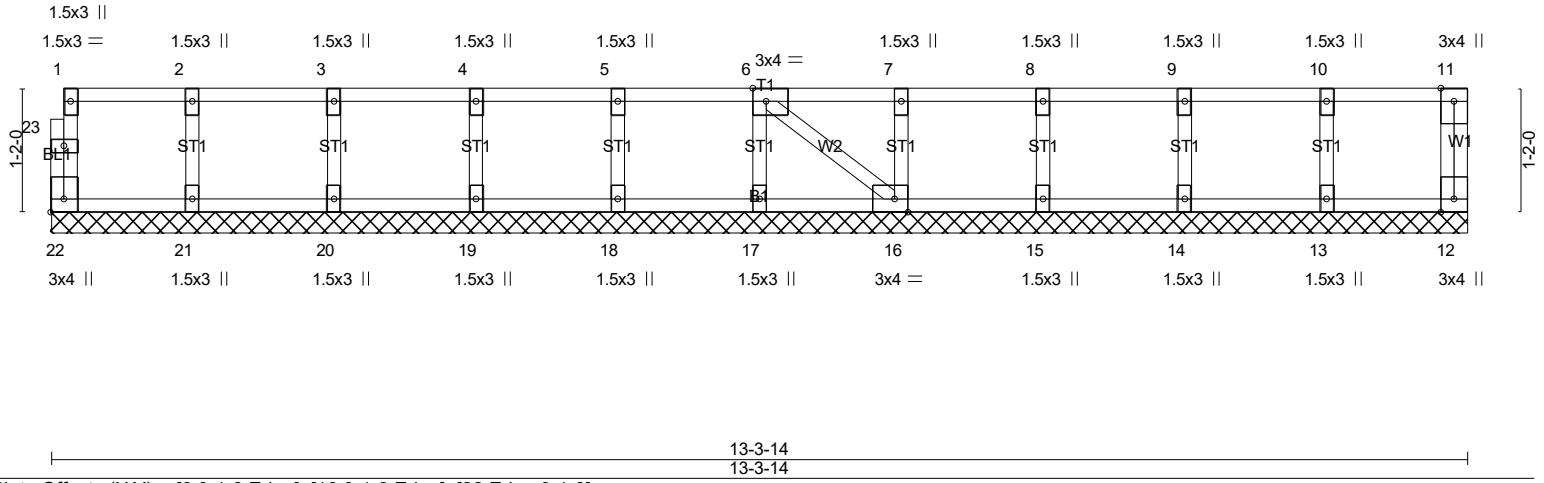

Plate Offsets (X,Y)-- [6:0-1-8,Edge], [16:0-1-8,Edge], [22:Edge,0-1-8]

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: 59 lb	FT = 20%F, 11%E

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

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

REACTIONS. All bearings 13-3-14.
(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) Gable requires continuous bottom chord bearing.
2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
3) Gable studs spaced at 1-4-0 oc.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

4/24/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0024 CAMPBELL RIDGE | 81 PINON DRIVE ANGIER, NC
25-3580-F01	F102	Floor	9	1	Job Reference (optional) **# 58815**

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 14:19:17 2025 Page 1
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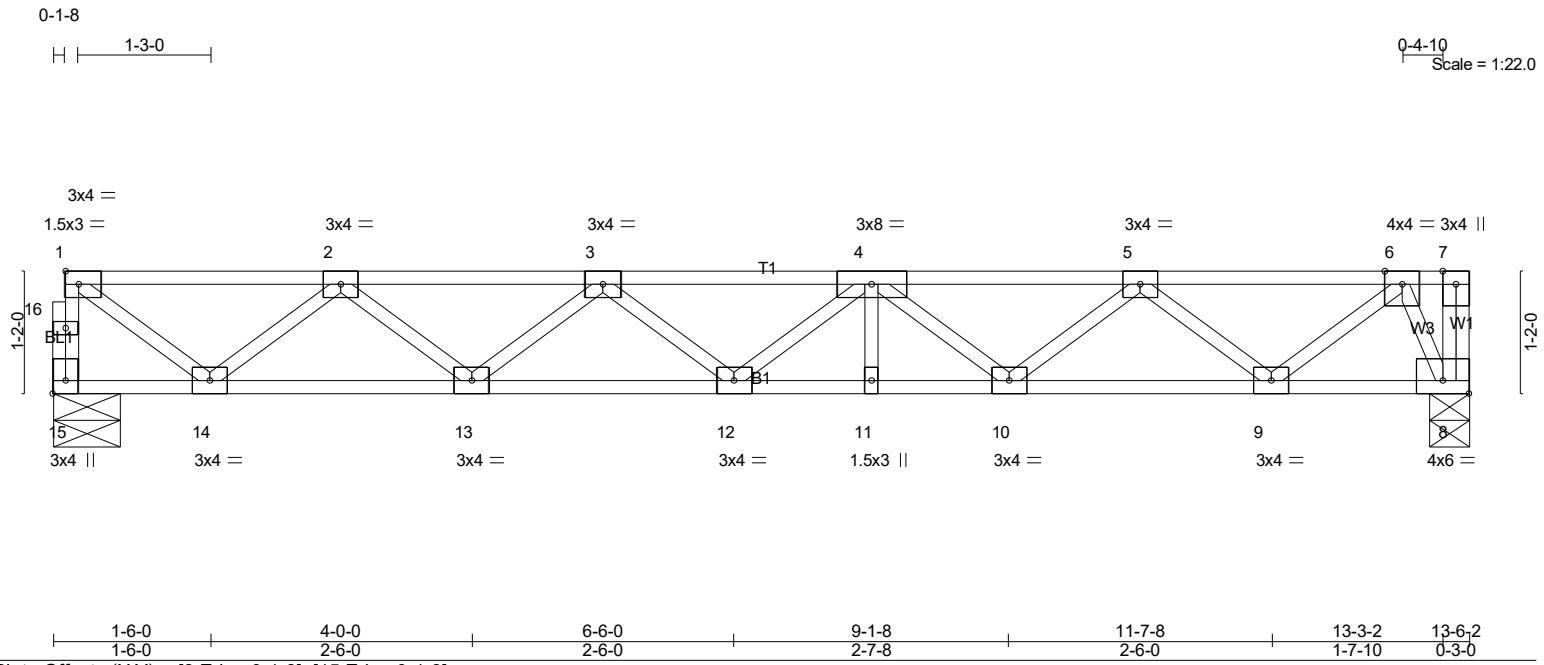

1-6-0	4-0-0	6-6-0	9-1-8	11-7-8	13-3-2	13-6-2
1-6-0	2-6-0	2-6-0	2-7-8	2-6-0	1-7-10	0-3-0

Plate Offsets (X,Y)-- [8:Edge,0-1-8], [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	0.18	Vert(LL)	-0.06	12	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.29	Vert(CT)	-0.09	12	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.31	Horz(CT)	0.02	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) 15=482/0-7-14 (min. 0-1-8), 8=486/0-4-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 15-16=-479/0, 1-16=-478/0, 1-2=-544/0, 2-3=-1264/0, 3-4=-1521/0, 4-5=-1329/0, 5-6=-693/0
BOT CHORD 13-14=0/1018, 12-13=0/1490, 11-12=0/1535, 10-11=0/1535, 9-10=0/1114, 8-9=0/254
WEBS 1-14=0/658, 2-14=-618/0, 2-13=0/320, 3-13=-293/0, 4-10=-263/0, 5-10=0/280, 5-9=-548/0, 6-9=0/572, 6-8=-576/0

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

LOAD CASE(S) Standard

4/24/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0024 CAMPBELL RIDGE | 81 PINON DRIVE ANGIER, NC
25-3580-F01	F103	Floor	7	1	Job Reference (optional) **# 58815**

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 14:19:18 2025 Page 1
ID:y8qAl9sFAzmFNhzVzc_UDUzeNRS-cTobKWTY4gMnpr6qAnPJJsZtL5oy8Uie3TTy1vzNV?N

1-3-0 0-4-12

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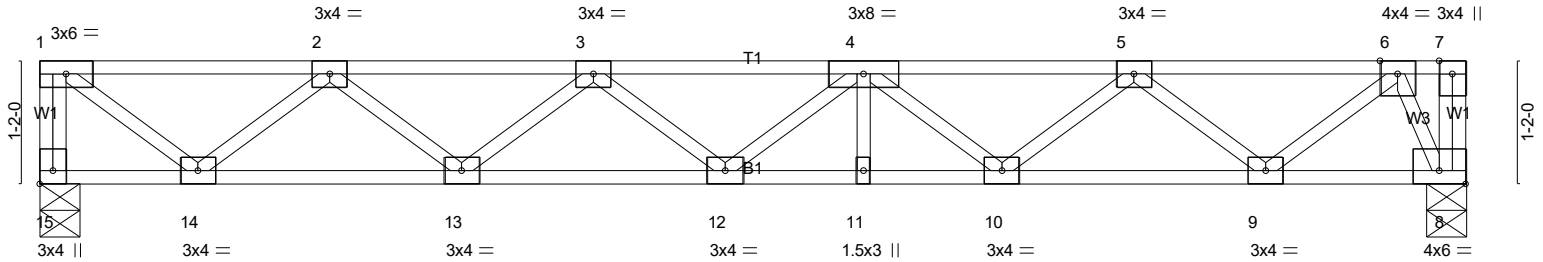

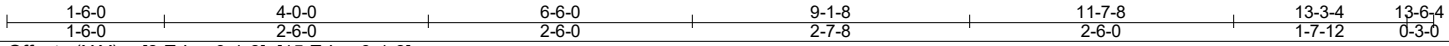

Plate Offsets (X,Y)-- [8:Edge,0-1-8], [15:Edge,0-1-8]

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	0.19	Vert(LL)	-0.06	12	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.29	Vert(CT)	-0.09	12	>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: 72 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=487/0-4-8 (min. 0-1-8), 8=487/0-4-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-15=-482/0, 1-2=-543/0, 2-3=-1266/0, 3-4=-1523/0, 4-5=-1332/0, 5-6=-697/0
BOT CHORD 13-14=0/1021, 12-13=0/1491, 11-12=0/1538, 10-11=0/1538, 9-10=0/1117, 8-9=0/258
WEBS 1-14=0/681, 2-14=-622/0, 2-13=0/319, 3-13=-293/0, 4-10=-263/0, 5-10=0/279, 5-9=-547/0, 6-9=0/571, 6-8=-577/0

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

LOAD CASE(S) Standard

4/24/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0024 CAMPBELL RIDGE | 81 PINON DRIVE ANGIER, NC
25-3580-F01	F104	Floor	9	1	Job Reference (optional) **# 58815**

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 14:19:18 2025 Page 1
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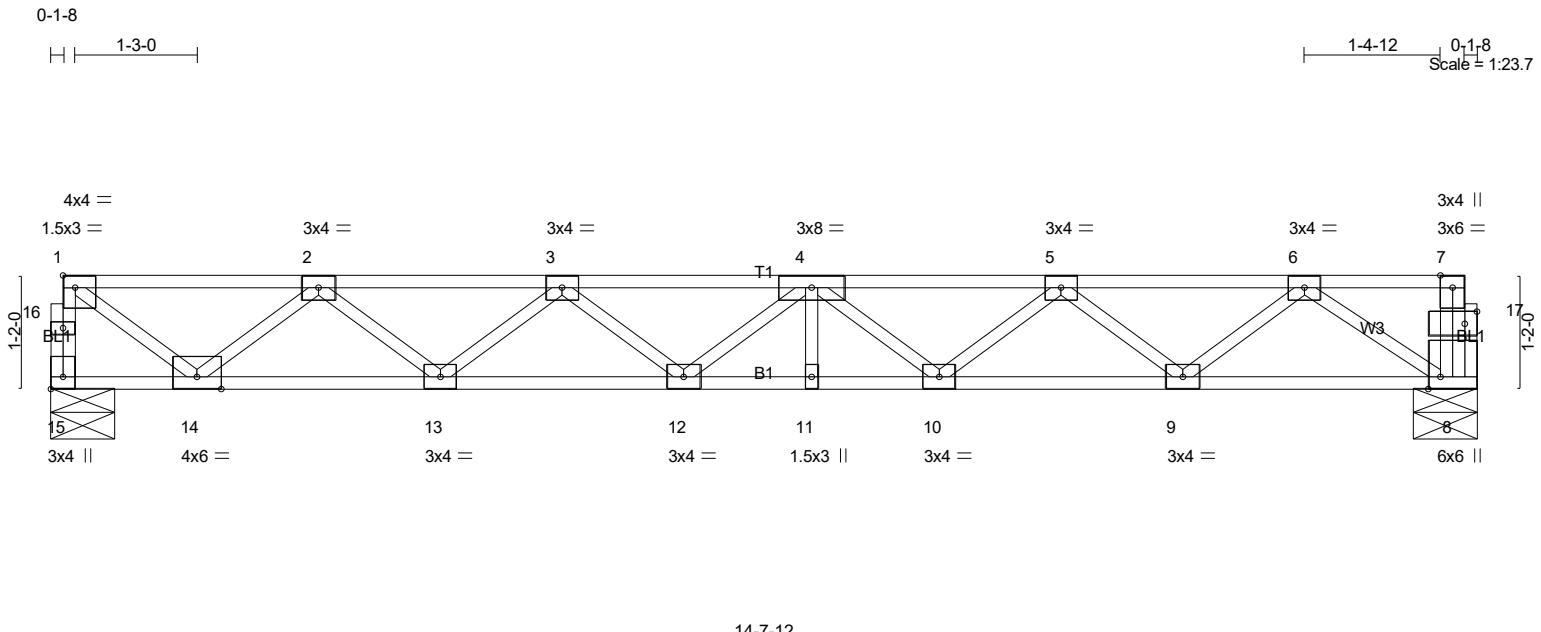

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [8:0-1-8,Edge], [15:Edge,0-1-8], [17:0-1-8,0-1-8]

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)	-0.13	11	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.51	Vert(CT)	-0.18	11	>968	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.51	Horz(CT)	0.04	8	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 76 lb	FT = 20%F, 11%E

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

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

REACTIONS. (lb/size) 15=782/0-7-14 (min. 0-1-8), 8=782/0-7-14 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 15-16=-777/0, 1-16=-776/0, 1-2=-893/0, 2-3=-2115/0, 3-4=-2641/0, 4-5=-2499/0, 5-6=-1689/0
BOT CHORD 13-14=0/1675, 12-13=0/2523, 11-12=0/2736, 10-11=0/2736, 9-10=0/2250, 8-9=0/1094
WEBS 1-14=0/1081, 2-14=-1018/0, 2-13=0/572, 3-13=-532/0, 4-10=-302/0, 5-10=0/325, 5-9=-729/0, 6-9=0/776, 6-8=-1305/0

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

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4/24/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0024 CAMPBELL RIDGE | 81 PINON DRIVE ANGIER, NC
25-3580-F01	F105	Floor Supported Gable	1	1	Job Reference (optional) **# 58815**

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 14:19:18 2025 Page 1
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0-1-8 0-1-8

Scale: 1/2"=1'

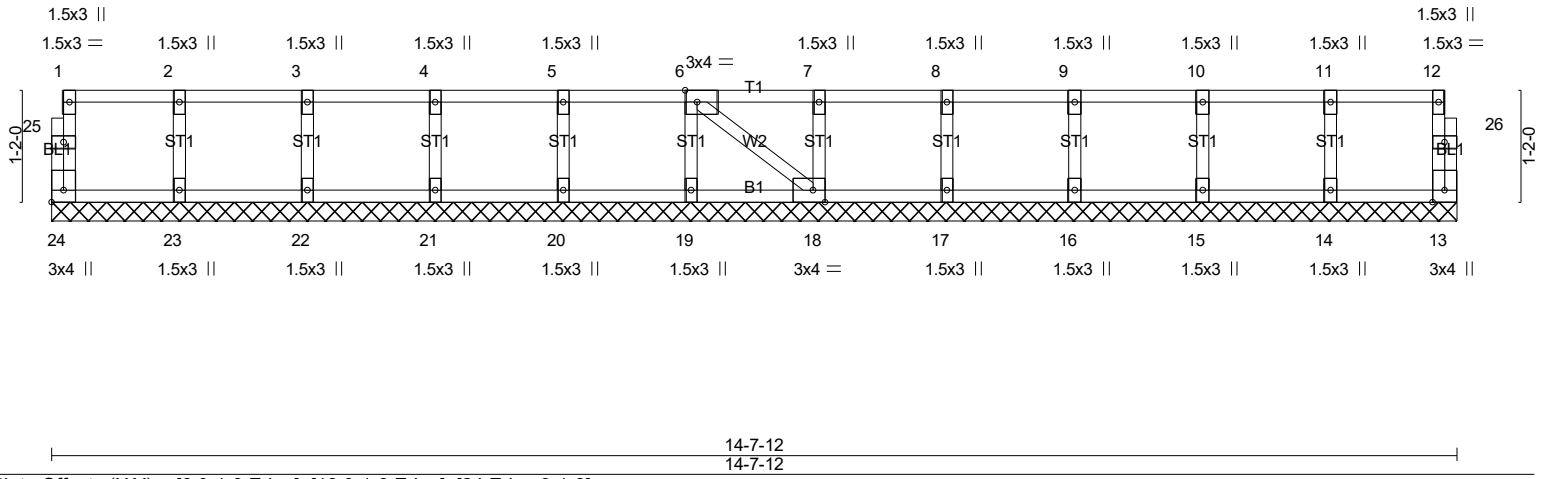

Plate Offsets (X,Y)-- [6:0-1-8,Edge], [18:0-1-8,Edge], [24:Edge,0-1-8]

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	13	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 64 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 14-7-12.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 24, 13, 23, 22, 21, 20, 19, 18, 17, 16, 15, 14

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

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

LOAD CASE(S) Standard

4/24/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0024 CAMPBELL RIDGE | 81 PINON DRIVE ANGIER, NC
25-3580-F01	F106	Floor Supported Gable	1	1	Job Reference (optional) **# 58815**

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 14:19:18 2025 Page 1
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0-1-8

Scale = 1:29.7

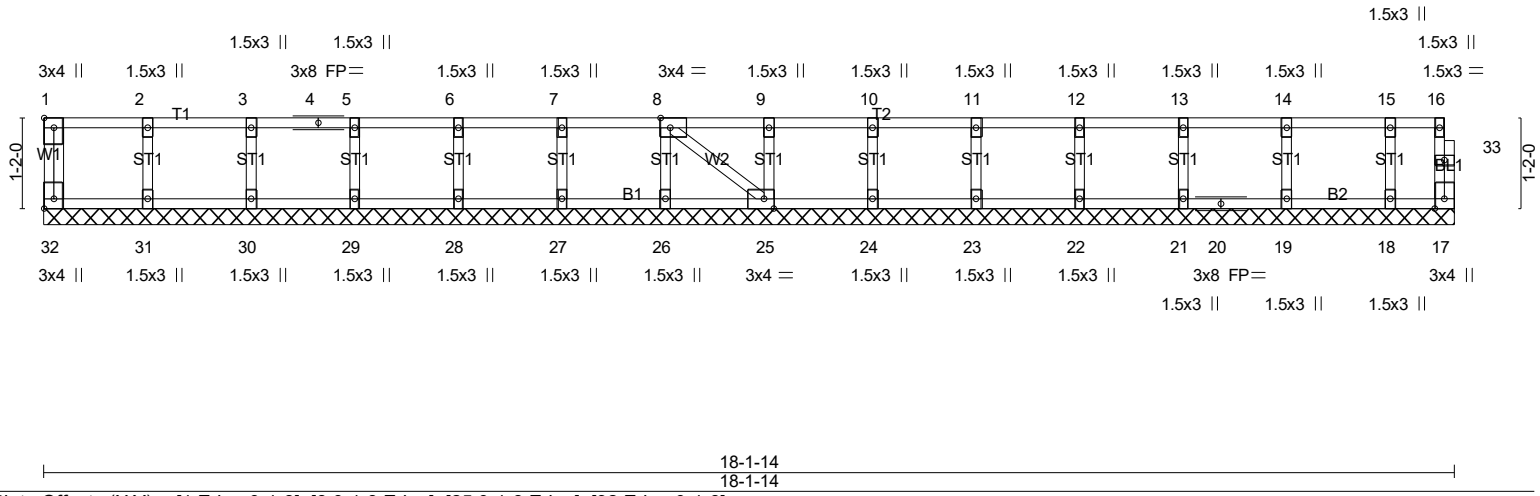

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [8:0-1-8,Edge], [25:0-1-8,Edge], [32:Edge,0-1-8]

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	17	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)
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 18-1-14.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 32, 17, 31, 30, 29, 28, 27, 26, 25, 24, 23, 22, 21, 19, 18

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

4/24/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0024 CAMPBELL RIDGE | 81 PINON DRIVE ANGIER, NC
25-3580-F01	F107	Floor	10	1	Job Reference (optional) **# 58815**

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 14:19:19 2025 Page 1
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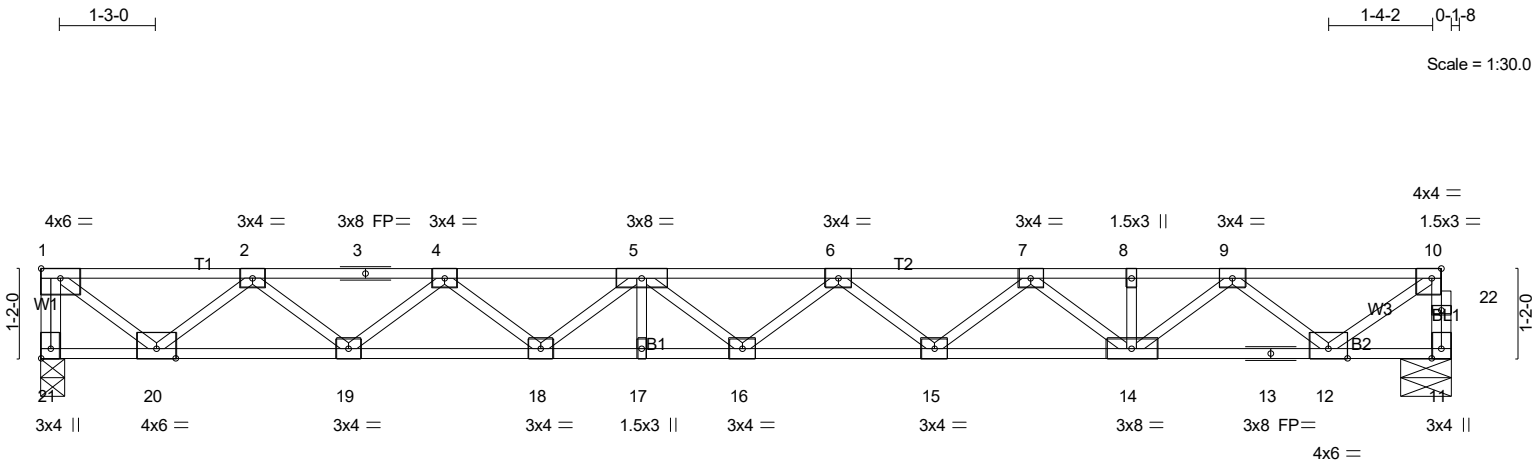


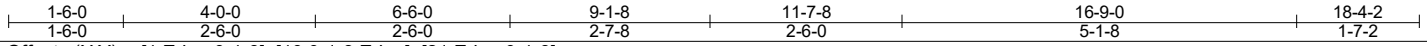


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [10:0-1-8,Edge], [21:Edge,0-1-8]

LOADING (psf)		**SPACING-**	1-7-3	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.36	Vert(LL)	-0.25	16	>865	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.65	Vert(CT)	-0.35	16	>629	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.56	Horz(CT)	-0.06	21	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 95 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) 21=796/0-3-8 (min. 0-1-8), 11=791/0-7-14 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-21=-790/0, 11-22=-786/0, 10-22=-785/0, 1-2=-930/0, 2-3=-2304/0, 3-4=-2304/0, 4-5=-3118/0, 5-6=-3421/0, 6-7=-3166/0, 7-8=-2381/0, 8-9=-2381/0, 9-10=-987/0
BOT CHORD 19-20=0/1756, 18-19=0/2827, 17-18=0/3402, 16-17=0/3402, 15-16=0/3417, 14-15=0/2891, 13-14=0/1803, 12-13=0/1803
WEBS 1-20=0/1166, 2-20=-1075/0, 2-19=0/713, 4-19=-681/0, 4-18=0/379, 5-18=-362/0, 6-15=-327/0, 7-15=0/358, 7-14=-651/0, 9-14=0/738, 9-12=-1062/0, 10-12=0/1170

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

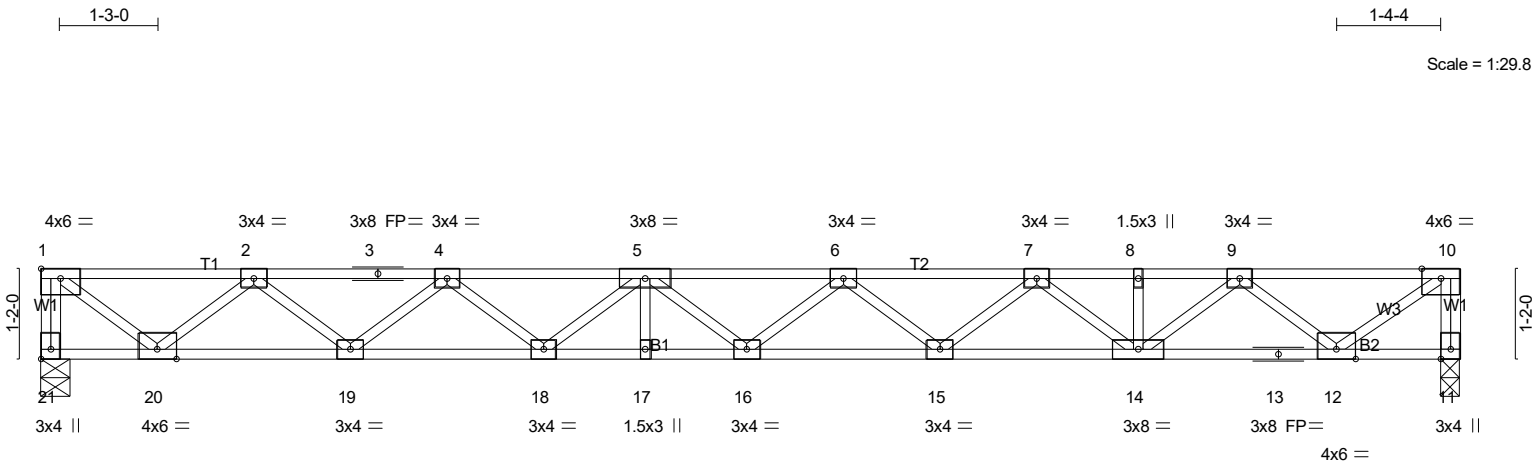
LOAD CASE(S) Standard

4/24/2025

Warning !—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 Guide to *Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Job	Truss	Truss Type	Qty	Ply	LOT 0.0024 CAMPBELL RIDGE | 81 PINON DRIVE ANGIER, NC
25-3580-F01	F108	Floor	2	1	Job Reference (optional) **# 58815**

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 14:19:19 2025 Page 1
ID:y8qAl9sFAzmFNhzVzc_UDUzeNRS-4gMzXsUAr_UeR?h0kUwYr46?QV2Zts_nH7DWaLzNV?M



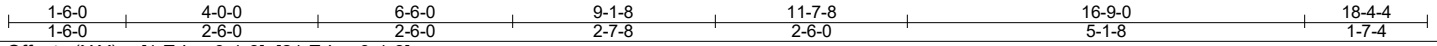


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [21:Edge,0-1-8]

LOADING (psf)		SPACING-	1-7-3	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.36	Vert(LL)	-0.25	16	>862	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.65	Vert(CT)	-0.35	16	>627	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.58	Horz(CT)	0.06	11	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 95 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) 21=796/0-4-8 (min. 0-1-8), 11=796/0-3-0 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-21=-790/0, 10-11=-790/0, 1-2=-930/0, 2-3=-2305/0, 3-4=-2305/0, 4-5=-3121/0, 5-6=-3425/0, 6-7=-3171/0, 7-8=-2387/0, 8-9=-2387/0, 9-10=-993/0
BOT CHORD 19-20=0/1757, 18-19=0/2829, 17-18=0/3405, 16-17=0/3405, 15-16=0/3422, 14-15=0/2897, 13-14=0/1813, 12-13=0/1813
WEBS 1-20=0/1167, 2-20=-1076/0, 2-19=0/714, 4-19=-681/0, 4-18=0/380, 5-18=-363/0, 6-15=-326/0, 7-15=0/357, 7-14=-651/0, 9-14=0/733, 9-12=-1067/0, 10-12=0/1215

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

LOAD CASE(S) Standard

4/24/2025

Warning !—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 Guide to *Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Job	Truss	Truss Type	Qty	Ply	LOT 0.0024 CAMPBELL RIDGE | 81 PINON DRIVE ANGIER, NC
25-3580-F01	F109	Floor Supported Gable	1	1	Job Reference (optional) **# 58815**

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 14:19:20 2025 Page 1
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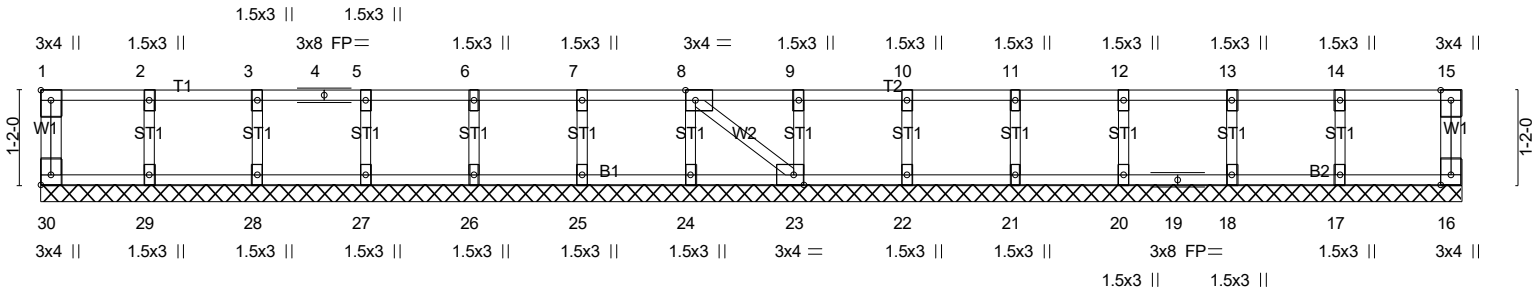

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [8:0-1-8,Edge], [23:0-1-8,Edge], [30:Edge,0-1-8]

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	22	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 10-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 17-5-14.
(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- (5)
1) Gable requires continuous bottom chord bearing.
2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
3) Gable studs spaced at 1-4-0 oc.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

4/24/2025

Warning !—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 Guide to *Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Job	Truss	Truss Type	Qty	Ply	LOT 0.0024 CAMPBELL RIDGE | 81 PINON DRIVE ANGIER, NC
25-3580-F01	F110	Floor Supported Gable	1	1	Job Reference (optional) **# 58815**

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 14:19:20 2025 Page 1
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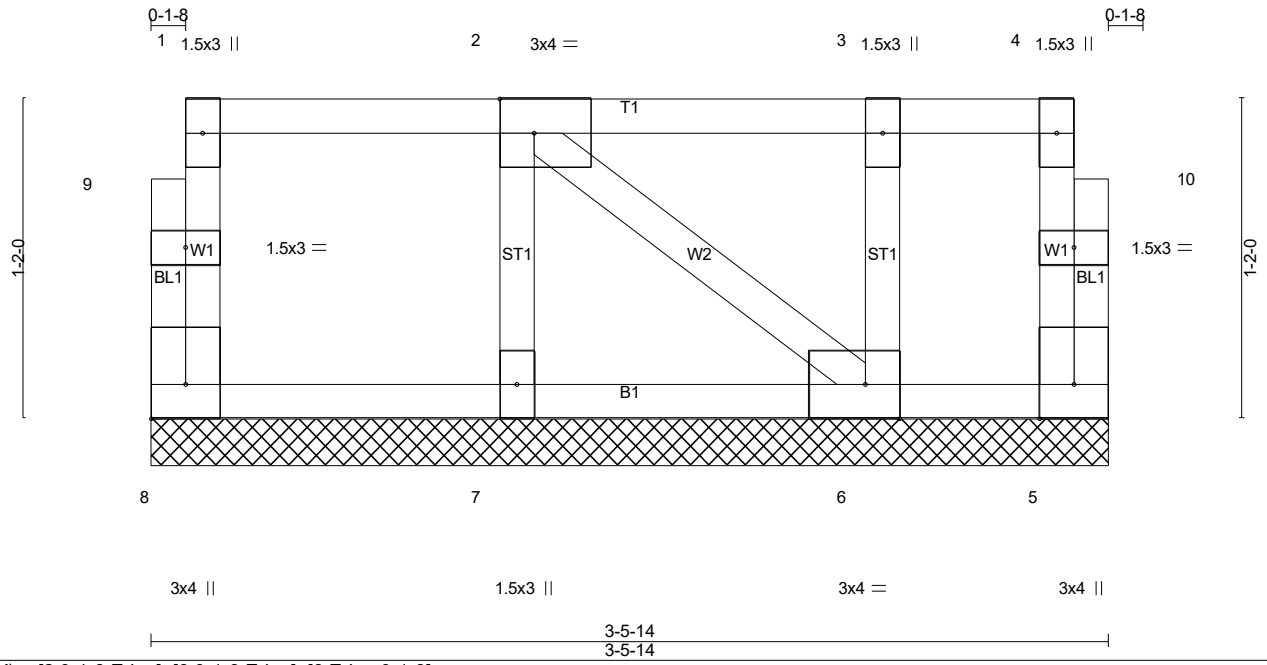

Plate Offsets (X,Y)-- [2:0-1-8,Edge], [6:0-1-8,Edge], [8:Edge,0-1-8]

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	0.06	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	5	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-P							Weight: 20 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 3-5-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 3-5-14.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 8, 5, 7, 6

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

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

LOAD CASE(S) Standard

4/24/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0024 CAMPBELL RIDGE | 81 PINON DRIVE ANGIER, NC
25-3580-F01	F111	Floor	2	1	**# 58815**
					Job Reference (optional)

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 14:19:21 2025 Page 1
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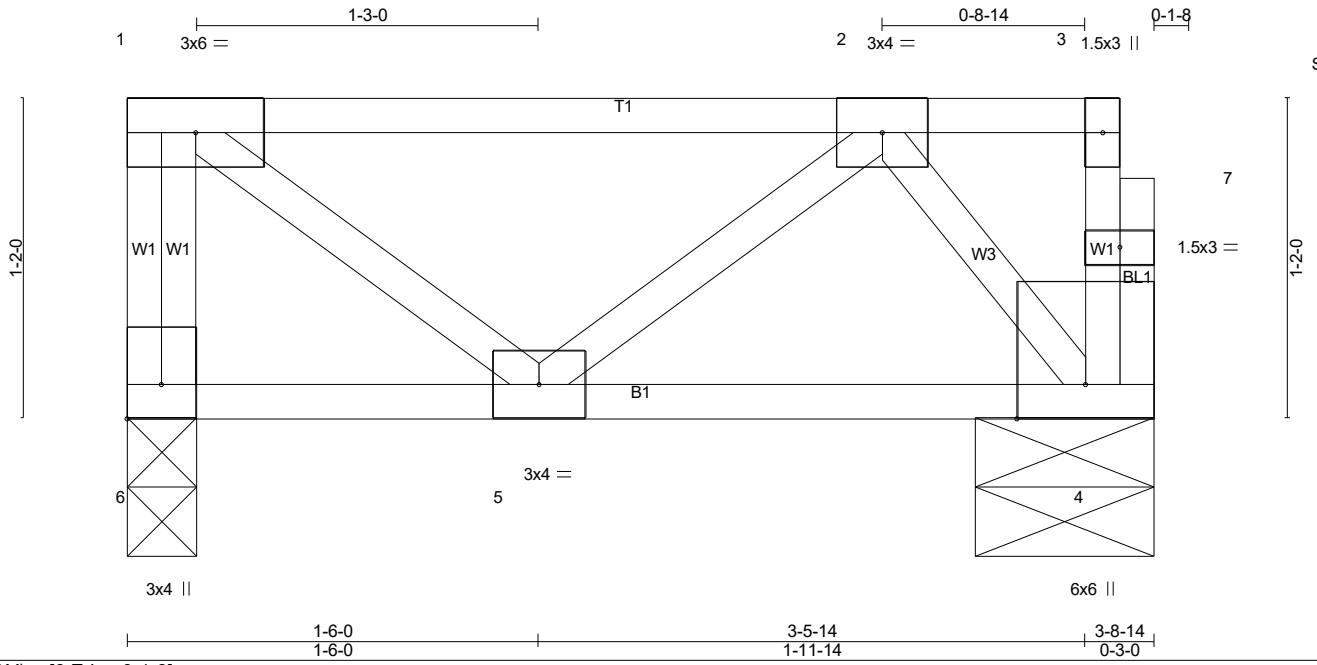

Plate Offsets (X,Y)-- [6:Edge,0-1-8]

LOADING (psf)		SPACING-	1-7-3	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.22	Vert(LL)	-0.00	5	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.04	Vert(CT)	-0.00	4-5	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	4	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-P							Weight: 22 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 3-8-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 6=153/0-3-0 (min. 0-1-8), 4=148/0-7-14 (min. 0-1-8)

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

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

LOAD CASE(S) Standard

4/24/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0024 CAMPBELL RIDGE | 81 PINON DRIVE ANGIER, NC
25-3580-F01	F112	Floor Supported Gable	1	1	Job Reference (optional) **# 58815**

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 14:19:21 2025 Page 1
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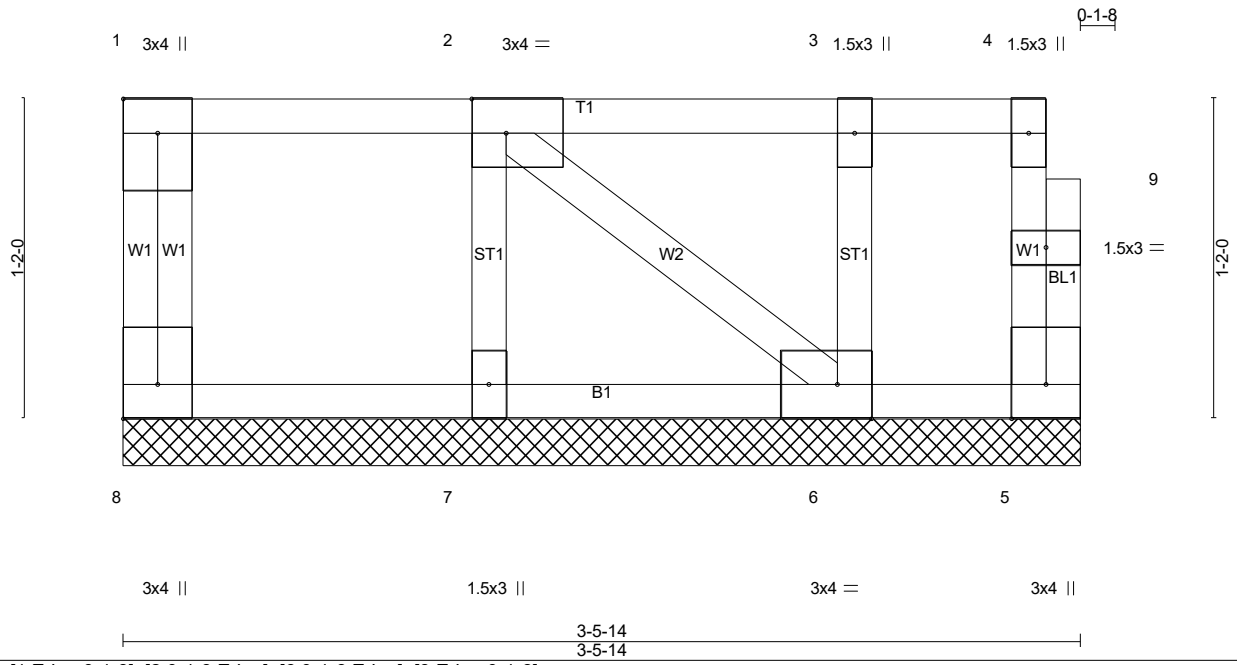

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [2:0-1-8,Edge], [6:0-1-8,Edge], [8:Edge,0-1-8]

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	0.06	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	5	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-P							Weight: 20 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 3-5-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 3-5-14.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 8, 5, 7, 6

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

4/24/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0024 CAMPBELL RIDGE | 81 PINON DRIVE ANGIER, NC
25-3580-F01	F113	Floor Supported Gable	1	1	**# 58815** Job Reference (optional)

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 14:19:21 2025 Page 1
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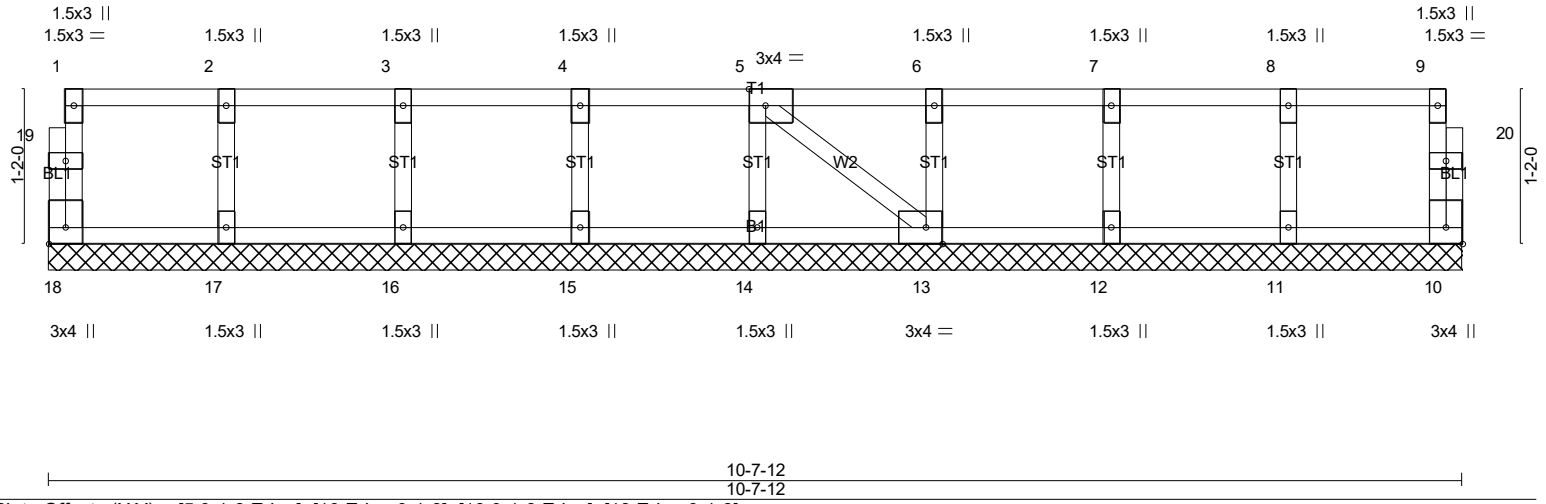

10-7-12
10-7-12

Plate Offsets (X,Y)-- [5:0-1-8,Edge], [10:Edge,0-1-8], [13:0-1-8,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	0.06	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	10	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 48 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 10-7-12.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 18, 10, 17, 16, 15, 14, 13, 12, 11

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

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

LOAD CASE(S) Standard

4/24/2025

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0024 CAMPBELL RIDGE | 81 PINON DRIVE ANGIER, NC
25-3580-F01	F114	Floor	3	1	Job Reference (optional) **# 58815**

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 14:19:21 2025 Page 1
ID:y8qAl9sFAzmFNhzVzc_UDUzeNRS-02UjyYWRNbkMgIrPrvy0wVBM2JpiLq24lRideEzNV?K

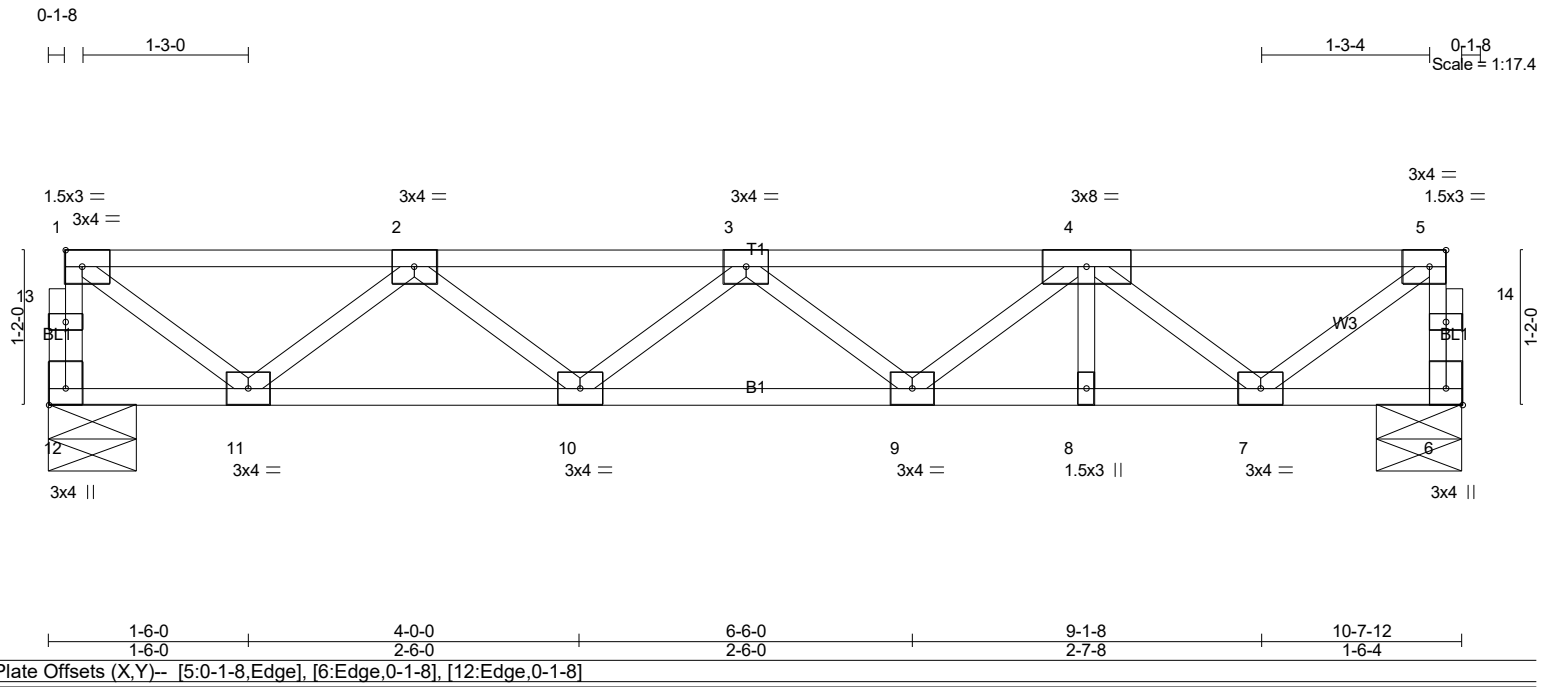

Plate Offsets (X,Y)-- [5:0-1-8,Edge], [6:Edge,0-1-8], [12:Edge,0-1-8]

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)	-0.04	9-10	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.29	Vert(CT)	-0.05	9-10	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.01	6	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 56 lb	FT = 20%F, 11%E

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

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

REACTIONS. (lb/size) 12=566/0-7-14 (min. 0-1-8), 6=566/0-7-14 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 12-13=-561/0, 1-13=-560/0, 6-14=-560/0, 5-14=-559/0, 1-2=-610/0, 2-3=-1311/0, 3-4=-1327/0, 4-5=-614/0
BOT CHORD 10-11=0/1134, 9-10=0/1458, 8-9=0/1162, 7-8=0/1162
WEBS 1-11=0/735, 2-11=-682/0, 4-7=-700/0, 5-7=0/736

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

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