Mark Morris, P.E.
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Mark Morris Digitally signed by Mark Morris
Date: 2025-04-24 14:39:12

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 #: 58816
JOB: 25-3580-F02
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.
20 Truss Design(s)

Trusses:
F201, F202, F203, F204, F205, F206, F207, F208, F209, F210, F211, F212, F213, F214, F215, F216, F217, F218, F219, F220

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.

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 0.0024 CAMPBELL RIDGE | 81 PINON DRIVE ANGIER, NC
25-3580-F02	F201	Floor Supported Gable	1	1	Job Reference (optional) **# 58816**

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 14:20:39 2025 Page 1
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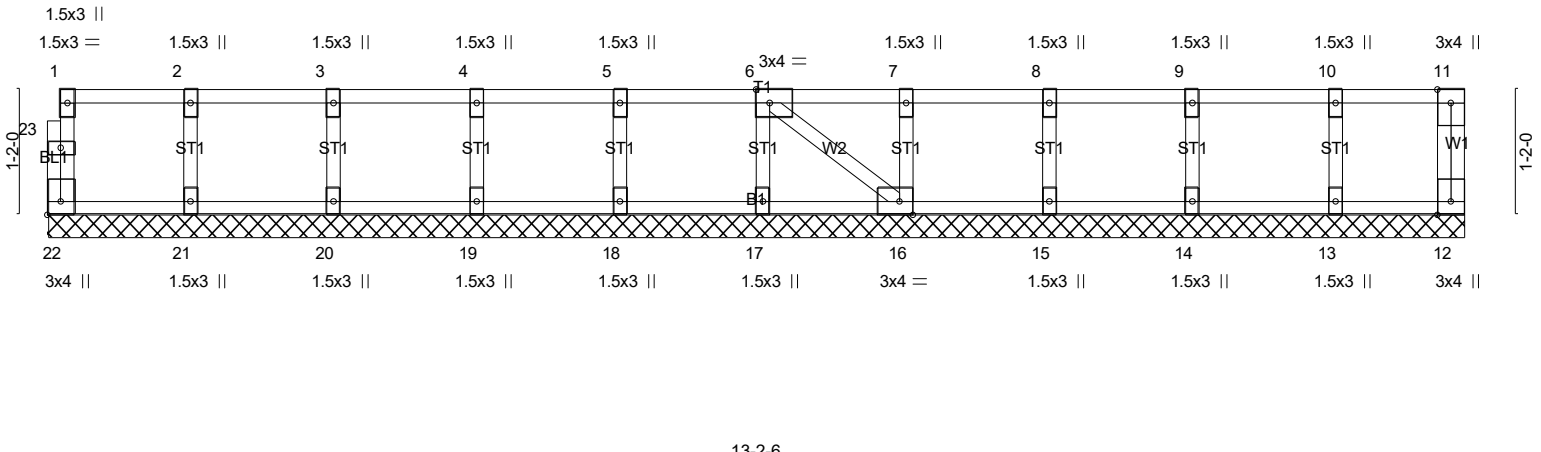

Plate Offsets (X,Y)-- [6:0-1-8,Edge], [16:0-1-8,Edge], [22:Edge,0-1-8]

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 13-2-6.
(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

Job	Truss	Truss Type	Qty	Ply	LOT 0.0024 CAMPBELL RIDGE | 81 PINON DRIVE ANGIER, NC
25-3580-F02	F202	Floor	5	1	Job Reference (optional) **# 58816**

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 14:20:39 2025 Page 1
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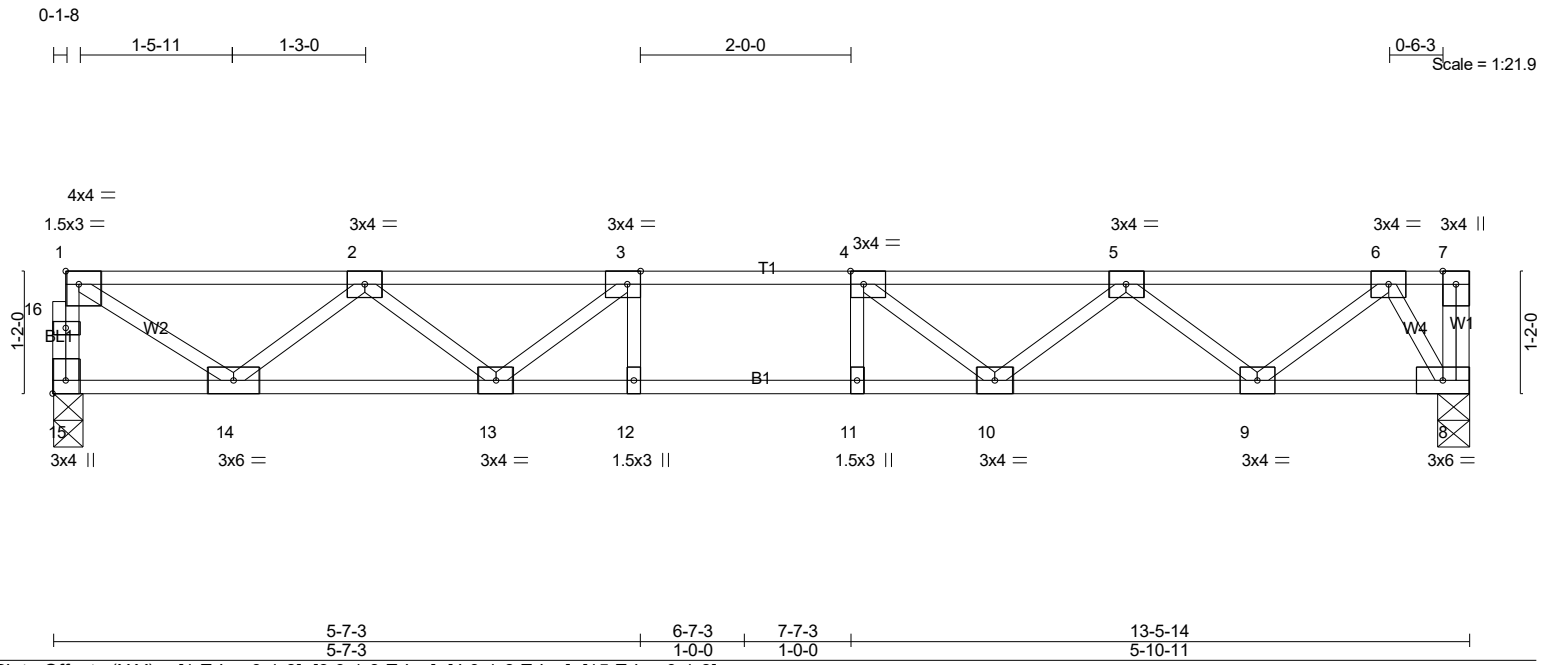

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [3:0-1-8,Edge], [4:0-1-8,Edge], [15:Edge,0-1-8]

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	0.34	Vert(LL)	-0.12	10-11	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.67	Vert(CT)	-0.16	10-11	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.51	Horz(CT)	0.03	8	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 68 lb	FT = 20%F, 11%E

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

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

REACTIONS. (lb/size) 15=722/0-3-6 (min. 0-1-8), 8=728/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 15-16=-716/0, 1-16=-715/0, 1-2=-931/0, 2-3=-1951/0, 3-4=-2283/0, 4-5=-2015/0, 5-6=-1104/0
BOT CHORD 13-14=0/1625, 12-13=0/2283, 11-12=0/2283, 10-11=0/2283, 9-10=0/1722, 8-9=0/459
WEBS 3-13=-555/0, 2-13=0/455, 2-14=-904/0, 1-14=0/1073, 4-10=-493/0, 5-10=0/419, 5-9=-804/0, 6-9=0/840, 6-8=-876/0

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

LOAD CASE(S) Standard

4/24/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0024 CAMPBELL RIDGE | 81 PINON DRIVE ANGIER, NC
25-3580-F02	F203	Floor	3	1	Job Reference (optional) **# 58816**

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 14:20:40 2025 Page 1
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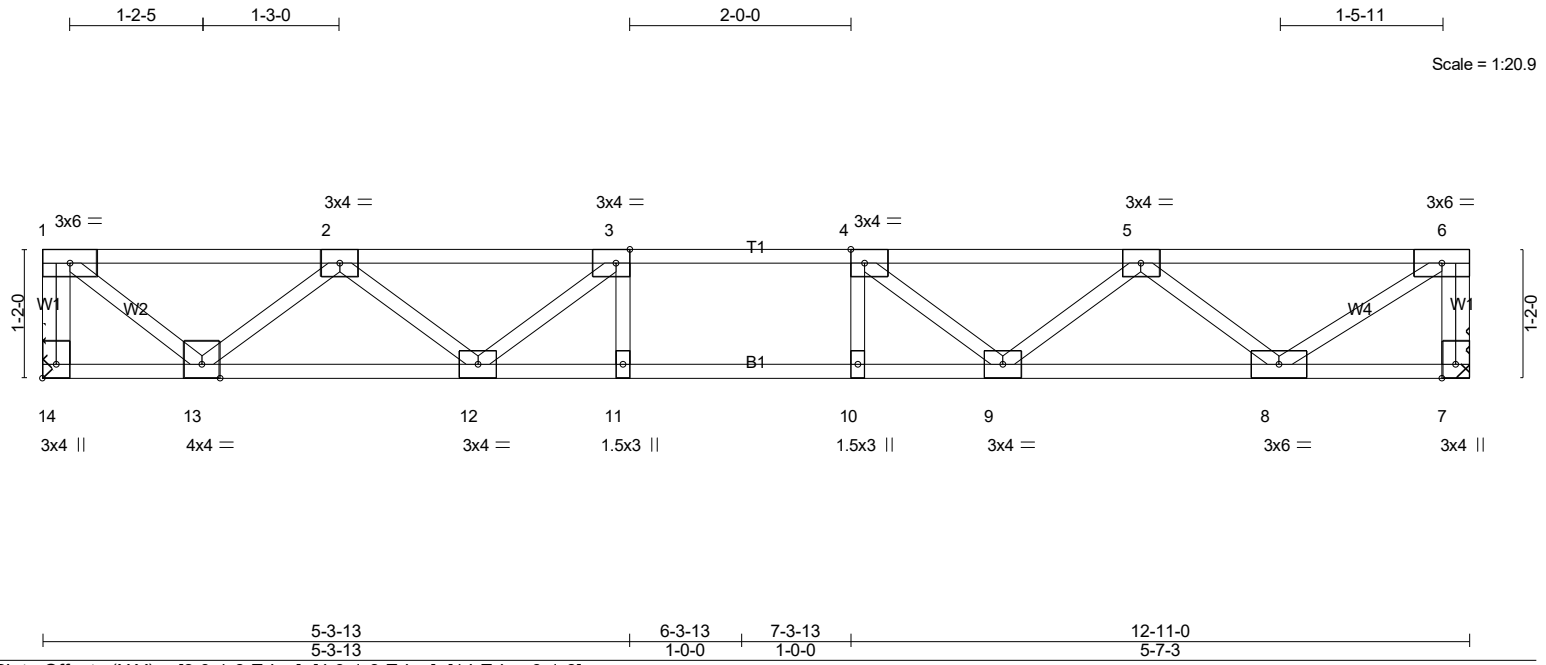

Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [14:Edge,0-1-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.35	Vert(LL)	-0.11	9-10	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.61	Vert(CT)	-0.14	9-10	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.50	Horz(CT)	0.02	7	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 65 lb	FT = 20%F, 11%E

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

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

REACTIONS. (lb/size) 14=697/Mechanical, 7=697/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-14=-692/0, 6-7=-689/0, 1-2=-745/0, 2-3=-1755/0, 3-4=-2087/0, 4-5=-1828/0, 5-6=-882/0
BOT CHORD 12-13=0/1425, 11-12=0/2087, 10-11=0/2087, 9-10=0/2087, 8-9=0/1546
WEBS 3-12=-536/0, 2-12=0/446, 2-13=-885/0, 1-13=0/949, 4-9=-474/0, 5-9=0/405, 5-8=-865/0, 6-8=0/1052

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

LOAD CASE(S) Standard

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-F02	F204	Floor	2	1	Job Reference (optional) **# 58816**

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 14:20:40 2025 Page 1
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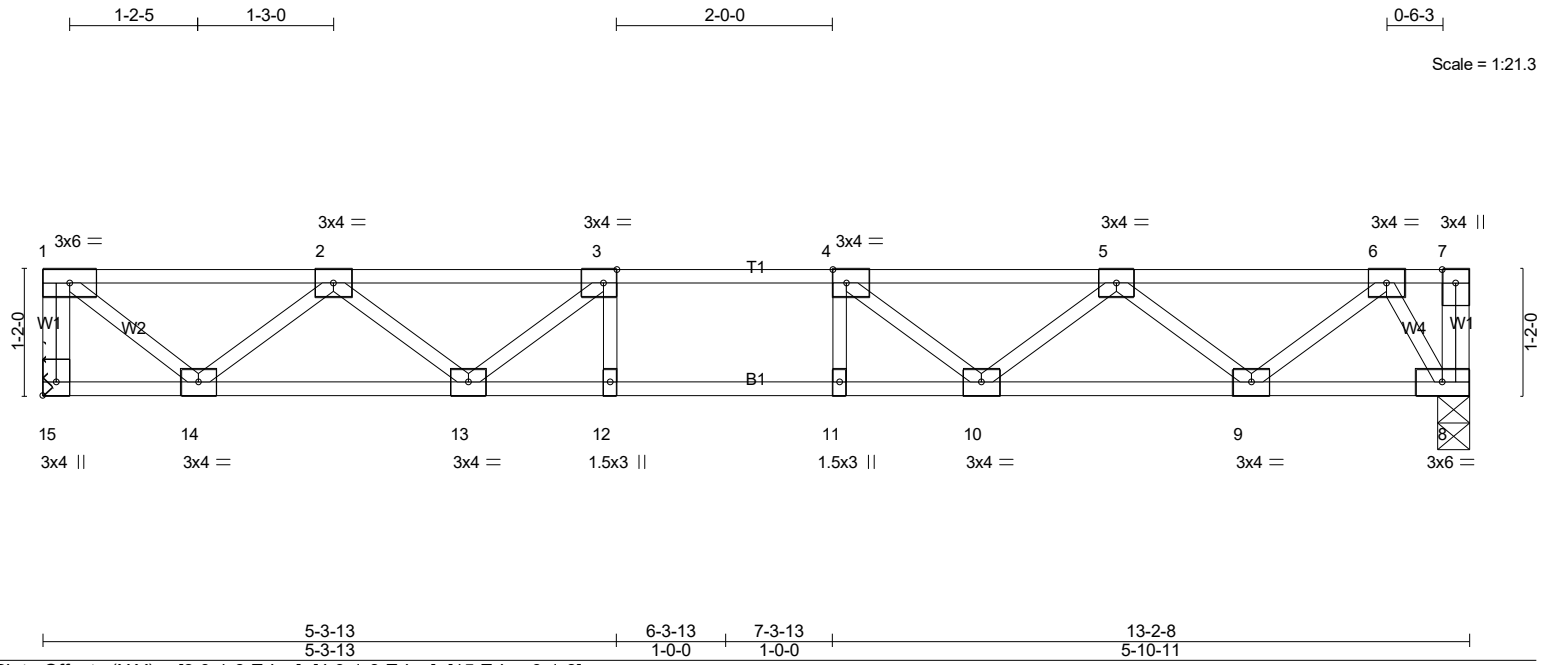

Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [15:Edge,0-1-8]

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	0.23	Vert(LL)	-0.08	10-11	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.45	Vert(CT)	-0.10	10-11	>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: 67 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=475/Mechanical, 8=475/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-15=-472/0, 1-2=-510/0, 2-3=-1209/0, 3-4=-1456/0, 4-5=-1300/0, 5-6=-717/0
BOT CHORD 13-14=0/974, 12-13=0/1456, 11-12=0/1456, 10-11=0/1456, 9-10=0/1118, 8-9=0/299
WEBS 3-13=-387/0, 2-13=0/314, 2-14=-605/0, 1-14=0/650, 4-10=-304/0, 5-10=0/263, 5-9=-522/0, 6-9=0/545, 6-8=-571/0

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

LOAD CASE(S) Standard

4/24/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0024 CAMPBELL RIDGE | 81 PINON DRIVE ANGIER, NC
25-3580-F02	F205	Floor	2	1	Job Reference (optional) **# 58816**

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 14:20:40 2025 Page 1
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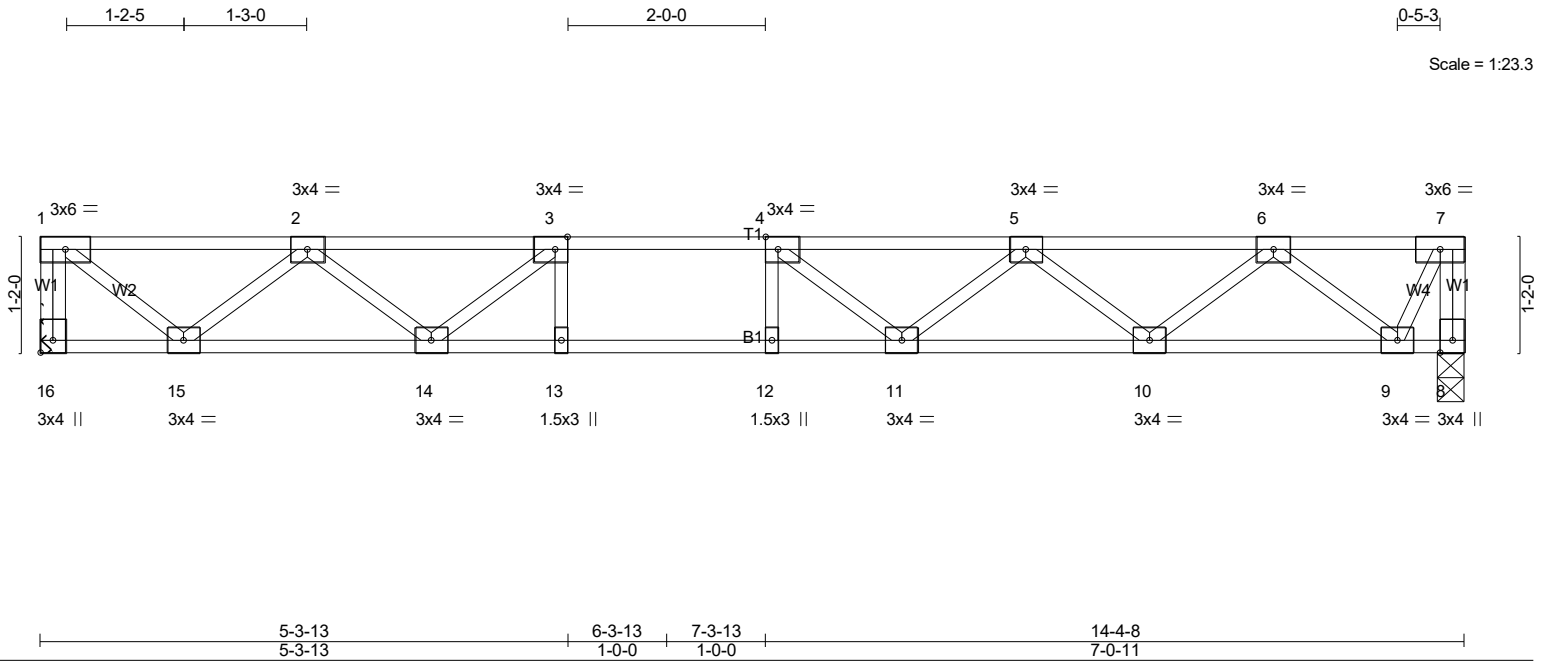

Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [16:Edge,0-1-8]

LOADING (psf)		**SPACING-**	1-4-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.31	Vert(LL)	-0.12	11-12	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.61	Vert(CT)	-0.16	11-12	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.34	Horz(CT)	0.02	8	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 73 lb	FT = 20%F, 11%E

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

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

REACTIONS. (lb/size) 16=518/Mechanical, 8=518/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-16=-516/0, 7-8=-520/0, 1-2=-563/0, 2-3=-1367/0, 3-4=-1709/0, 4-5=-1648/0, 5-6=-1172/0, 6-7=-254/0
BOT CHORD 14-15=0/1073, 13-14=0/1709, 12-13=0/1709, 11-12=0/1709, 10-11=0/1525, 9-10=0/804
WEBS 3-14=-496/0, 2-14=0/382, 2-15=-664/0, 1-15=0/718, 5-10=-460/0, 6-10=0/479, 6-9=-716/0, 7-9=0/538

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

LOAD CASE(S) Standard

4/24/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0024 CAMPBELL RIDGE | 81 PINON DRIVE ANGIER, NC
25-3580-F02	F206	Floor	9	1	Job Reference (optional) **# 58816**

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 14:20:41 2025 Page 1
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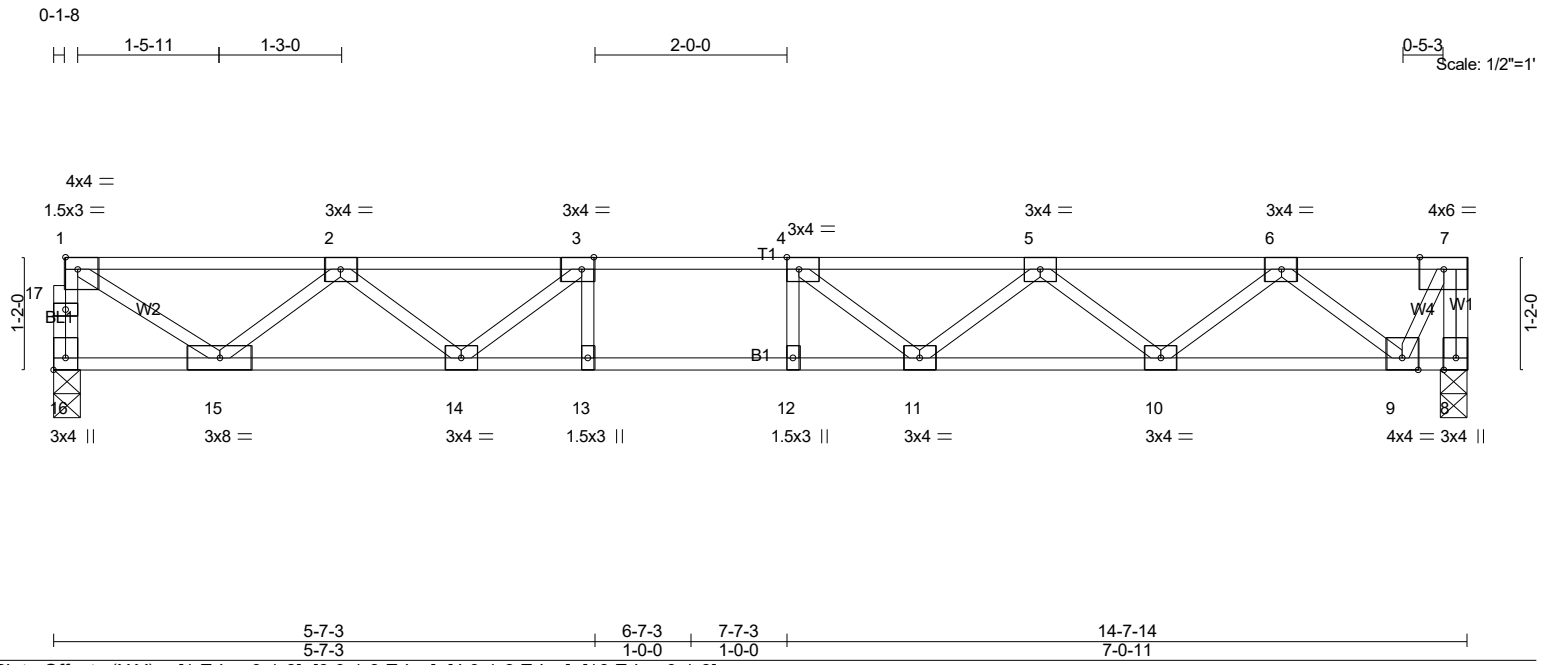

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [3:0-1-8,Edge], [4:0-1-8,Edge], [16:Edge,0-1-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.47	Vert(LL)	-0.18	11-12	>973	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.91	Vert(CT)	-0.24	11-12	>724	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.56	Horz(CT)	0.04	8	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 74 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=786/0-3-6 (min. 0-1-8), 8=792/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 16-17=-782/0, 1-17=-780/0, 7-8=-795/0, 1-2=-1027/0, 2-3=-2205/0, 3-4=-2680/0, 4-5=-2554/0, 5-6=-1803/0, 6-7=-389/0
BOT CHORD 14-15=0/1791, 13-14=0/2680, 12-13=0/2680, 11-12=0/2680, 10-11=0/2349, 9-10=0/1233
WEBS 3-14=-717/0, 2-14=0/557, 2-15=-994/0, 1-15=0/1185, 4-11=-403/81, 5-11=0/362, 5-10=-711/0, 6-10=0/742, 6-9=-1099/0, 7-9=0/824

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

LOAD CASE(S) Standard

4/24/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0024 CAMPBELL RIDGE | 81 PINON DRIVE ANGIER, NC
25-3580-F02	F207	Floor Supported Gable	1	1	Job Reference (optional) **# 58816**

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 14:20:41 2025 Page 1
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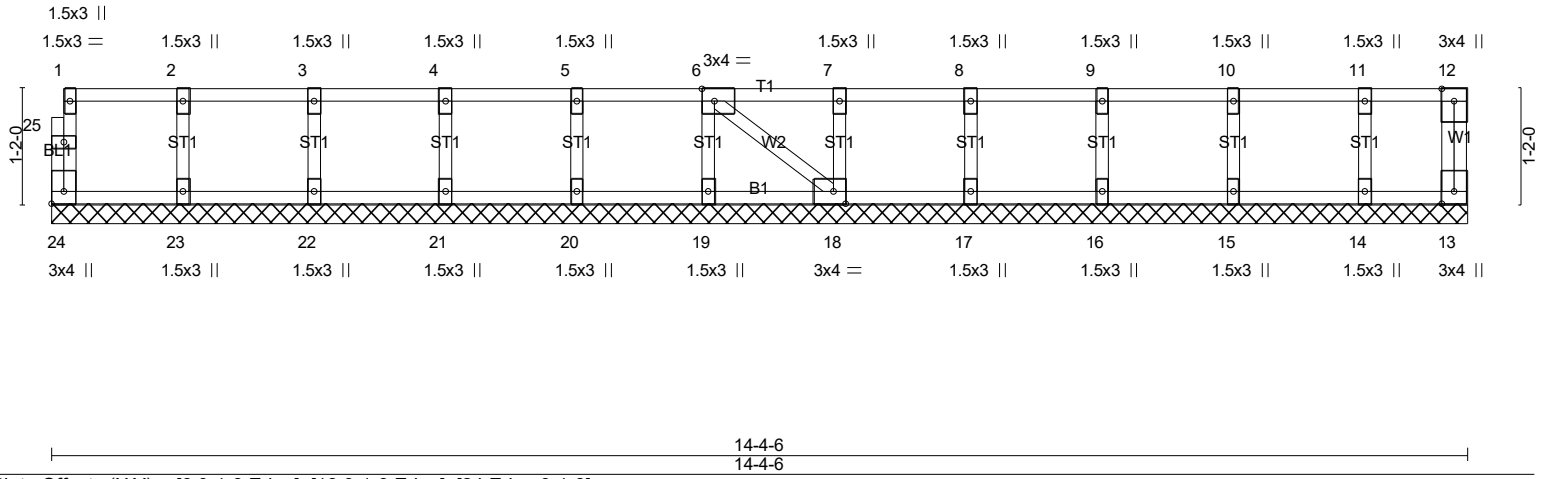

Plate Offsets (X,Y)-- [6:0-1-8,Edge], [18:0-1-8,Edge], [24:Edge,0-1-8]

LOADING (psf)		**SPACING-**	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 14-4-6.
(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- (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

Job	Truss	Truss Type	Qty	Ply	LOT 0.0024 CAMPBELL RIDGE | 81 PINON DRIVE ANGIER, NC
25-3580-F02	F208	Floor Supported Gable	1	1	Job Reference (optional) **# 58816**

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 14:20:41 2025 Page 1
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0-1-8

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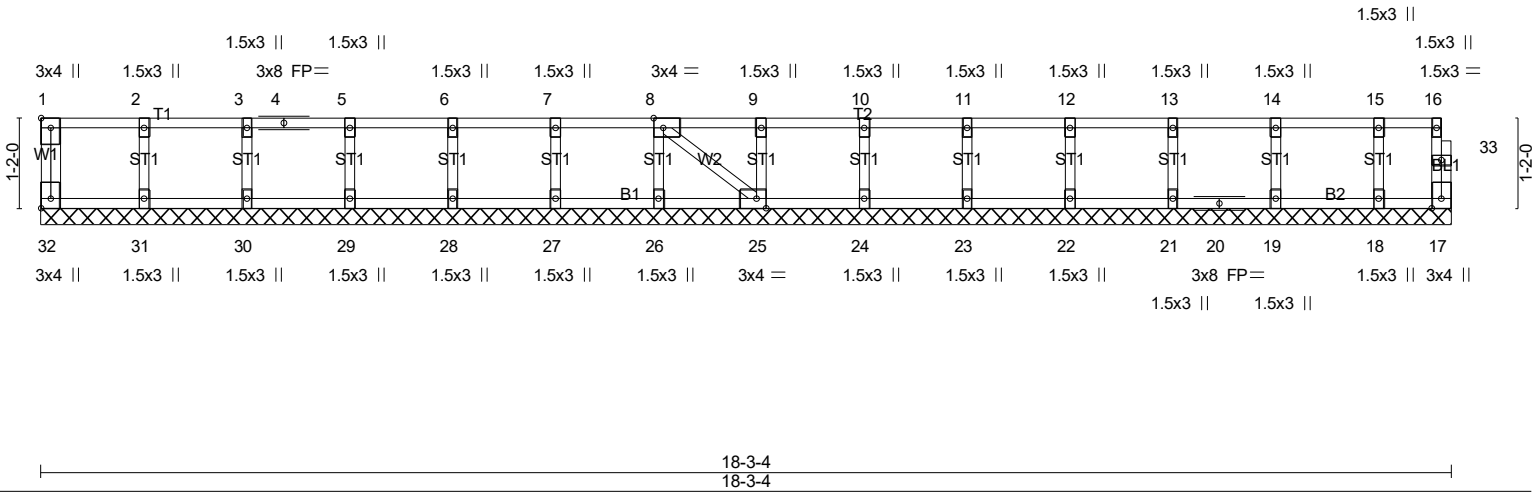

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [8:0-1-8,Edge], [25:0-1-8,Edge], [32:Edge,0-1-8]

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 18-3-4.
(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

Job	Truss	Truss Type	Qty	Ply	LOT 0.0024 CAMPBELL RIDGE | 81 PINON DRIVE ANGIER, NC
25-3580-F02	F209	Floor	6	1	Job Reference (optional) **# 58816**

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 14:20:42 2025 Page 1
ID:ytGMqQQL1eAASh?2eHuR6lzvVAY-9etLyEUEIUxsuIXz5Qv0ia2C6yNVqRy?NXpP_1zNV_3

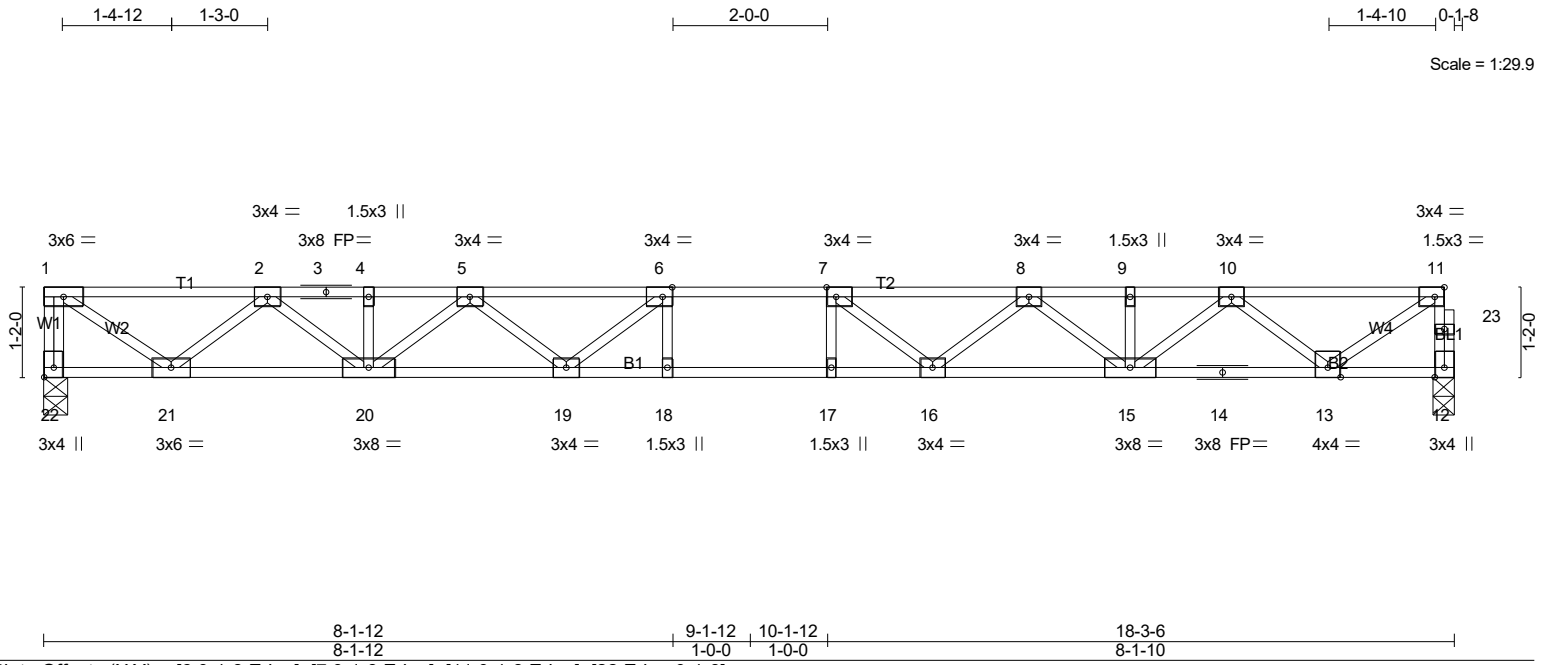

Plate Offsets (X,Y)-- [6:0-1-8,Edge], [7:0-1-8,Edge], [11:0-1-8,Edge], [22:Edge,0-1-8]

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)	-0.21	17-18	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.68	Vert(CT)	-0.29	17-18	>756	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.49	Horz(CT)	0.05	12	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 93 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=661/0-3-8 (min. 0-1-8), 12=657/0-3-6 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-22=-656/0, 12-23=-653/0, 11-23=-652/0, 1-2=-845/0, 2-3=-1993/0, 3-4=-1993/0, 4-5=-1993/0, 5-6=-2630/0, 6-7=-2838/0, 7-8=-2628/0, 8-9=-1991/0, 9-10=-1991/0, 10-11=-842/0
BOT CHORD 20-21=0/1524, 19-20=0/2416, 18-19=0/2838, 17-18=0/2838, 16-17=0/2838, 15-16=0/2413, 14-15=0/1518, 13-14=0/1518
WEBS 6-19=-444/10, 5-19=0/353, 5-20=-540/0, 2-20=0/599, 2-21=-884/0, 1-21=0/1025, 7-16=-445/9, 8-16=0/354, 8-15=-540/0, 10-15=0/603, 10-13=-880/0, 11-13=0/989

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

LOAD CASE(S) Standard

4/24/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0024 CAMPBELL RIDGE | 81 PINON DRIVE ANGIER, NC
25-3580-F02	F210	Floor	1	1	Job Reference (optional) **# 58816**

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 14:20:42 2025 Page 1
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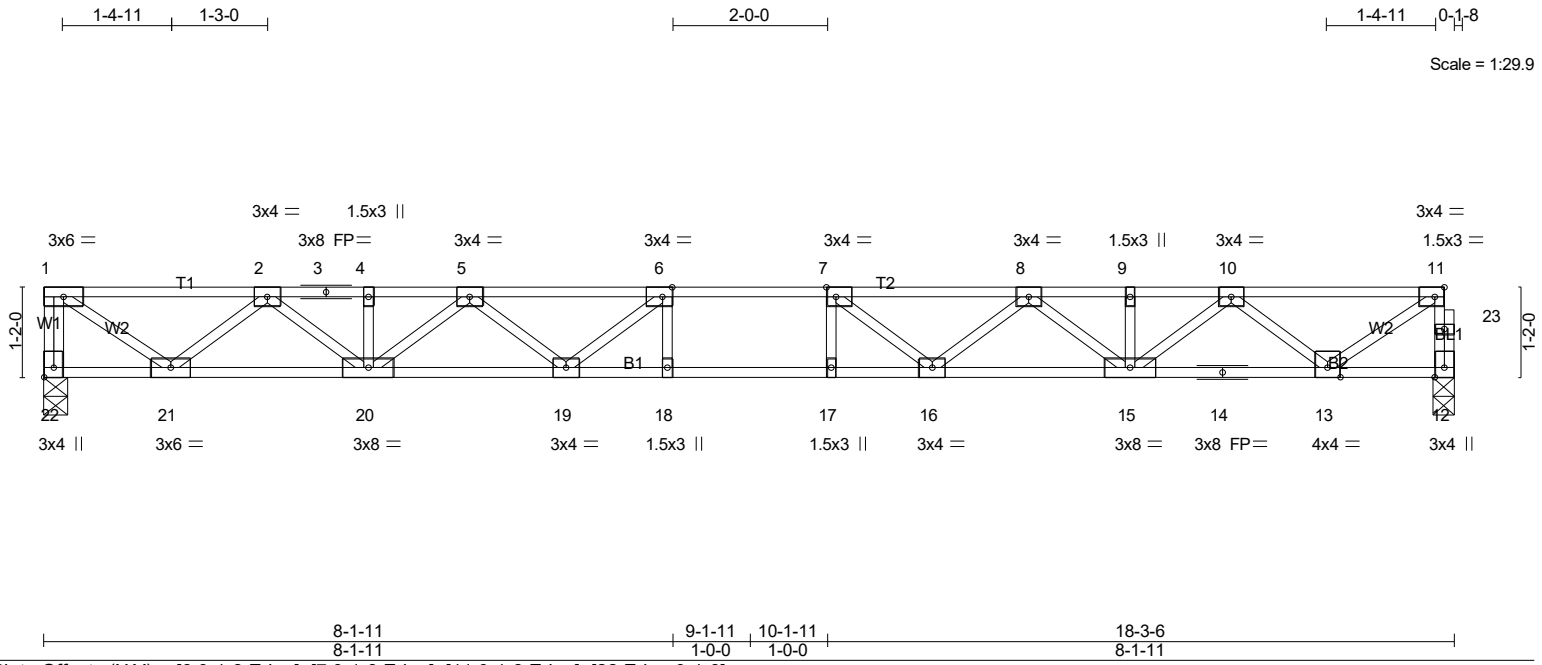

Plate Offsets (X,Y)-- [6:0-1-8,Edge], [7:0-1-8,Edge], [11:0-1-8,Edge], [22:Edge,0-1-8]

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)	-0.21	17-18	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.68	Vert(CT)	-0.29	17-18	>756	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.49	Horz(CT)	0.05	12	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 93 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=661/0-3-8 (min. 0-1-8), 12=657/0-3-6 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-22=-656/0, 12-23=-653/0, 11-23=-652/0, 1-2=-844/0, 2-3=-1992/0, 3-4=-1992/0, 4-5=-1992/0, 5-6=-2629/0, 6-7=-2838/0, 7-8=-2629/0, 8-9=-1991/0, 9-10=-1991/0, 10-11=-843/0
BOT CHORD 20-21=0/1523, 19-20=0/2415, 18-19=0/2838, 17-18=0/2838, 16-17=0/2838, 15-16=0/2414, 14-15=0/1519, 13-14=0/1519
WEBS 6-19=-444/10, 5-19=0/353, 5-20=-540/0, 2-20=0/599, 2-21=-884/0, 1-21=0/1024, 7-16=-445/9, 8-16=0/354, 8-15=-540/0, 10-15=0/603, 10-13=-880/0, 11-13=0/990

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

LOAD CASE(S) Standard

4/24/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0024 CAMPBELL RIDGE | 81 PINON DRIVE ANGIER, NC
25-3580-F02	F211	Floor	3	1	Job Reference (optional) **# 58816**

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 14:20:43 2025 Page 1
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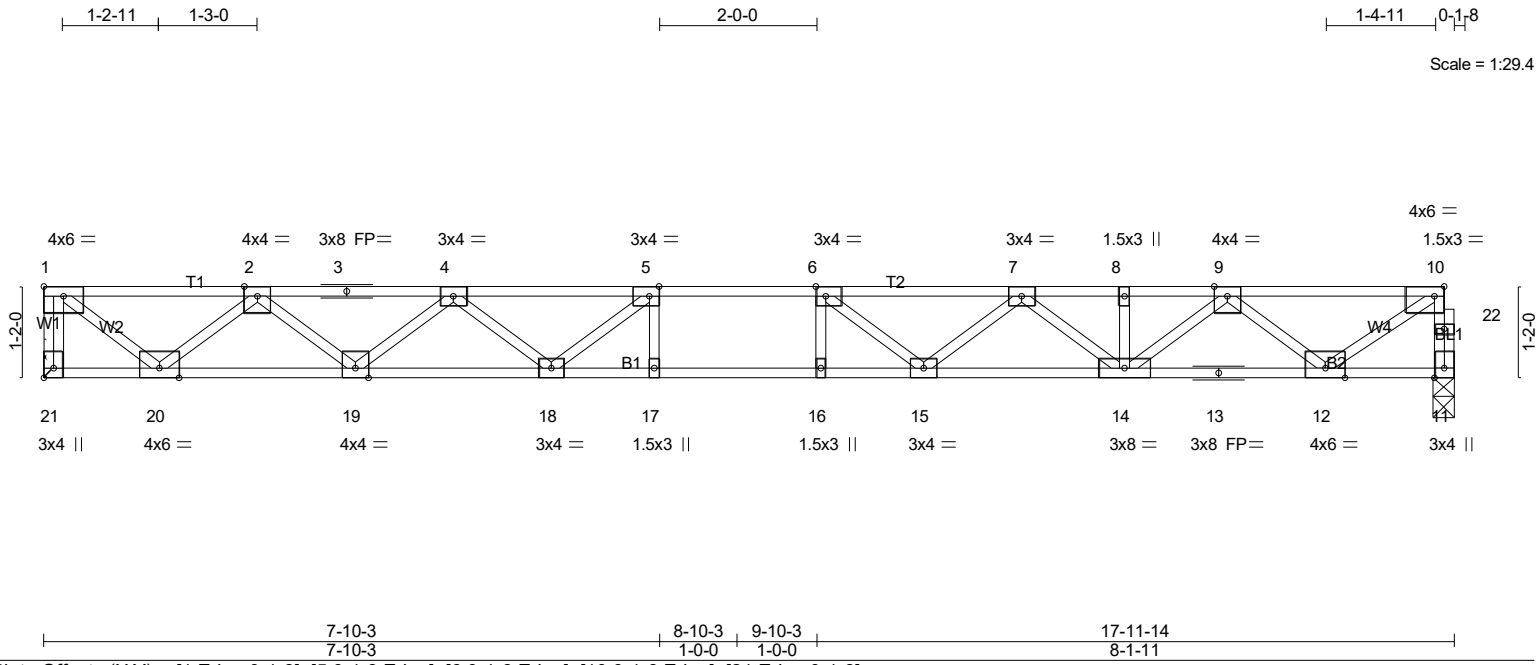

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [5:0-1-8,Edge], [6:0-1-8,Edge], [10:0-1-8,Edge], [21:Edge,0-1-8]

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)	-0.28	16	>761	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.66	Vert(CT)	-0.38	16-17	>553	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.69	Horz(CT)	0.06	11	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 90 lb	FT = 20%F, 11%E

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

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

REACTIONS. (lb/size) 21=976/Mechanical, 11=969/0-3-6 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-21=-968/0, 11-22=-963/0, 10-22=-962/0, 1-2=-1117/0, 2-3=-2796/0, 3-4=-2796/0, 4-5=-3771/0, 5-6=-4119/0, 6-7=-3841/0, 7-8=-2923/0, 8-9=-2923/0, 9-10=-1243/0
BOT CHORD 19-20=0/2130, 18-19=0/3430, 17-18=0/4119, 16-17=0/4119, 15-16=0/4119, 14-15=0/3542, 13-14=0/2237, 12-13=0/2237
WEBS 5-18=-689/0, 4-18=0/534, 4-19=-825/0, 2-19=0/868, 2-20=-1318/0, 1-20=0/1411, 6-15=-630/41, 7-15=0/501, 7-14=-789/0, 9-14=0/876, 9-12=-1294/0, 10-12=0/1459

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

LOAD CASE(S) Standard

4/24/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0024 CAMPBELL RIDGE | 81 PINON DRIVE ANGIER, NC
25-3580-F02	F212	Floor Girder	1	1	Job Reference (optional) **# 58816**

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 14:20:43 2025 Page 1
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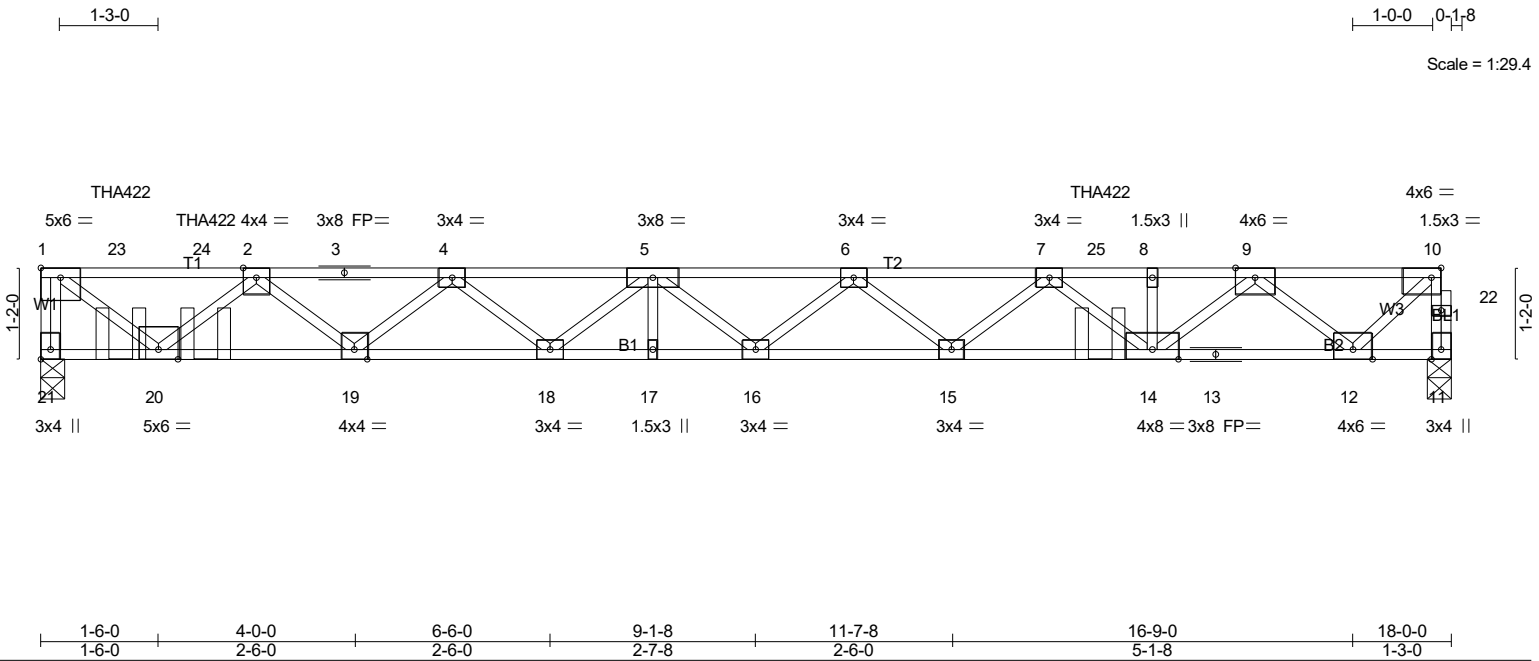

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [10:0-1-8,Edge], [21:Edge,0-1-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.71	Vert(LL)	-0.33	16	>651	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.97	Vert(CT)	-0.45	16	>470	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.76	Horz(CT)	0.08	11	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 93 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 5-6-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 21=1117/0-3-8 (min. 0-1-8), 11=1133/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-21=-1110/0, 11-22=-1130/0, 10-22=-1128/0, 1-23=-1276/0, 23-24=-1276/0, 2-24=-1276/0, 2-3=-3111/0, 3-4=-3111/0, 4-5=-4177/0, 5-6=-4615/0, 6-7=-4357/0, 7-25=-3321/0, 8-25=-3321/0, 8-9=-3321/0, 9-10=-1118/0
BOT CHORD 19-20=0/2412, 18-19=0/3780, 17-18=0/4565, 16-17=0/4565, 15-16=0/4635, 14-15=0/4050, 13-14=0/2329, 12-13=0/2329
WEBS 1-20=0/1600, 2-20=-1479/0, 2-19=0/911, 4-19=-870/0, 4-18=0/516, 5-18=-496/0, 6-15=-361/0, 7-15=0/401, 7-14=-931/0, 9-14=0/1267, 9-12=-1575/0, 10-12=0/1471

NOTES- (6)
1) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
2) CAUTION, Do not erect truss backwards.
3) Use Simpson Strong-Tie THA422 (Single Chord Girder) or equivalent spaced at 11-5-0 oc max. starting at 1-0-4 from the left end to 13-6-4 to connect truss(es) F213 (1 ply 2x4 SP), F214 (1 ply 2x4 SP) to back face of top chord.
4) Fill all nail holes where hanger is in contact with lumber.
5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 11-21=-10, 1-10=-100
Concentrated Loads (lb)
Vert: 23=-49(B) 24=-49(B) 25=-205(B)

4/24/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0024 CAMPBELL RIDGE | 81 PINON DRIVE ANGIER, NC
25-3580-F02	F213	Floor	2	1	**# 58816**
					Job Reference (optional)

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 14:20:43 2025 Page 1
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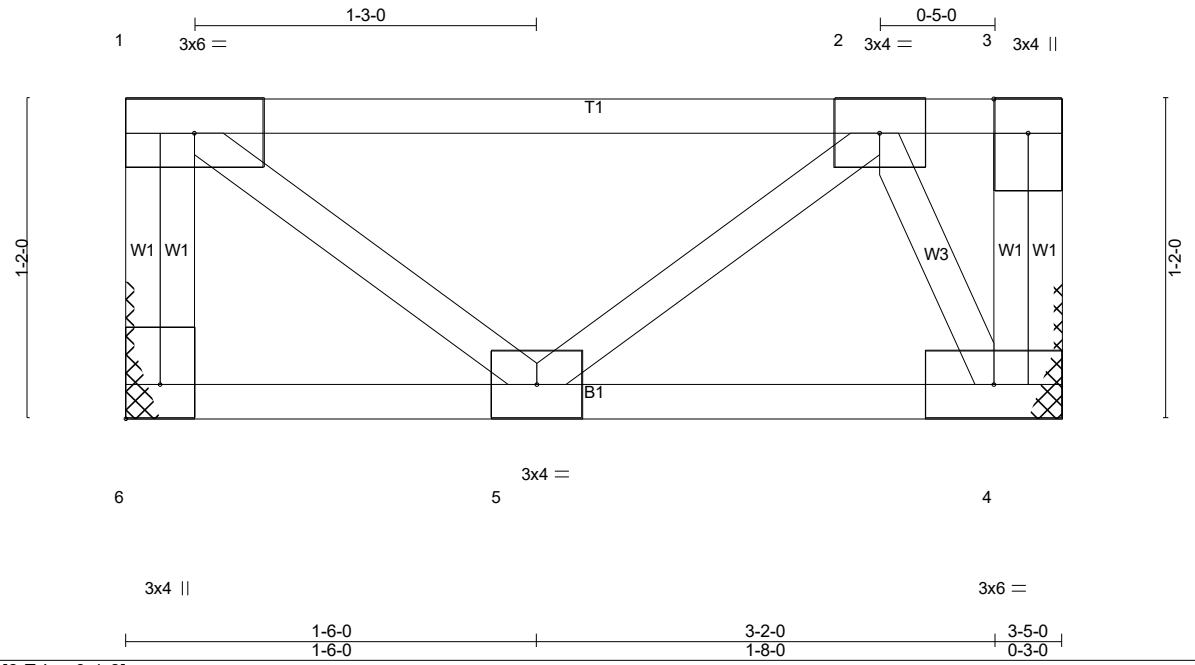

Scale = 1:8.4

Plate Offsets (X,Y)-- [6: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)	-0.00	5	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.03	Vert(CT)	-0.00	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 3-5-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 6=116/Mechanical, 4=116/Mechanical

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

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

LOAD CASE(S) Standard

4/24/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0024 CAMPBELL RIDGE | 81 PINON DRIVE ANGIER, NC
25-3580-F02	F214	Floor Girder	1	1	# 58816
					Job Reference (optional)

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 14:20:43 2025 Page 1
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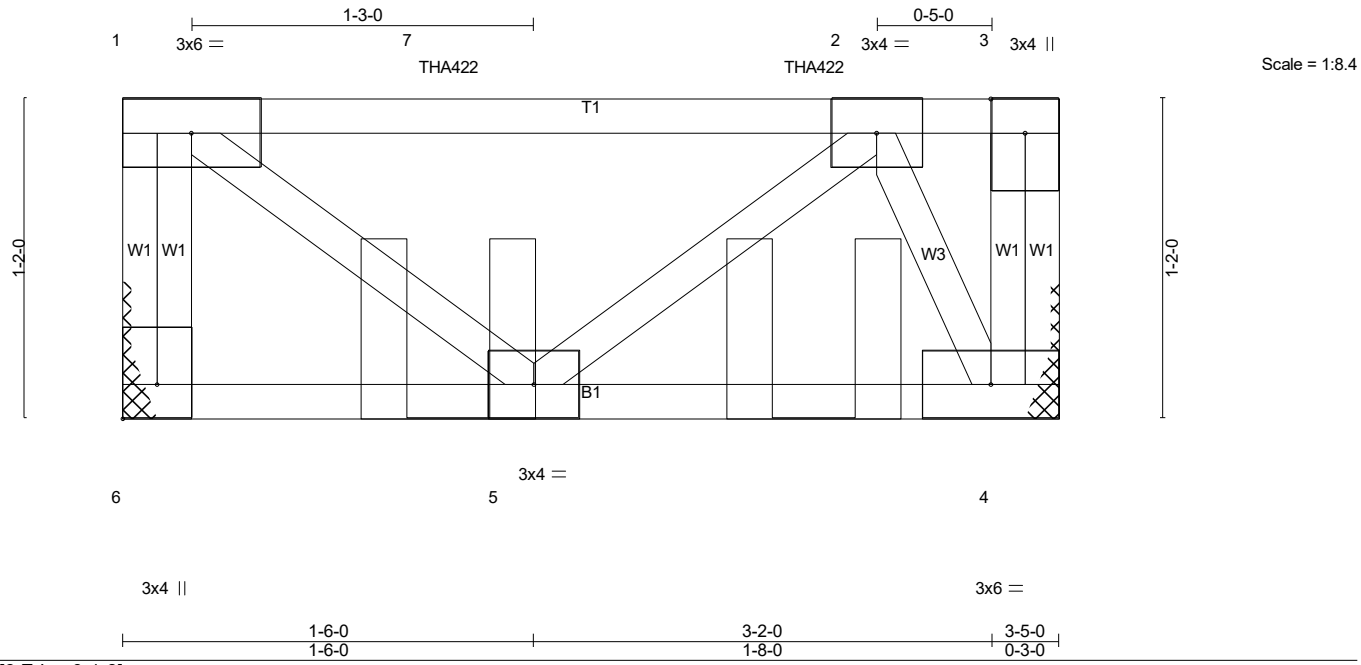

Plate Offsets (X,Y)-- [6:Edge,0-1-8]

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	0.71	Vert(LL)	-0.00	5	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.06	Vert(CT)	-0.00	5	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.13	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 3-5-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 6=272/Mechanical, 4=333/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-268/0
BOT CHORD 4-5=0/269
WEBS 2-4=-583/0

NOTES- (6)
1) Refer to girder(s) for truss to truss connections.
2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
3) Use Simpson Strong-Tie THA422 (Single Chord Girder) or equivalent spaced at 1-4-0 oc max. starting at 1-2-4 from the left end to 2-6-4 to connect truss(es) F215 (1 ply 2x4 SP) to front face of top chord.
4) Fill all nail holes where hanger is in contact with lumber.
5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 4-6=-7, 1-3=-67
Concentrated Loads (lb)
Vert: 2=-186(F) 7=-186(F)

4/24/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0024 CAMPBELL RIDGE | 81 PINON DRIVE ANGIER, NC
25-3580-F02	F215	Floor	2	1	**# 58816**
					Job Reference (optional)

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 14:20:44 2025 Page 1
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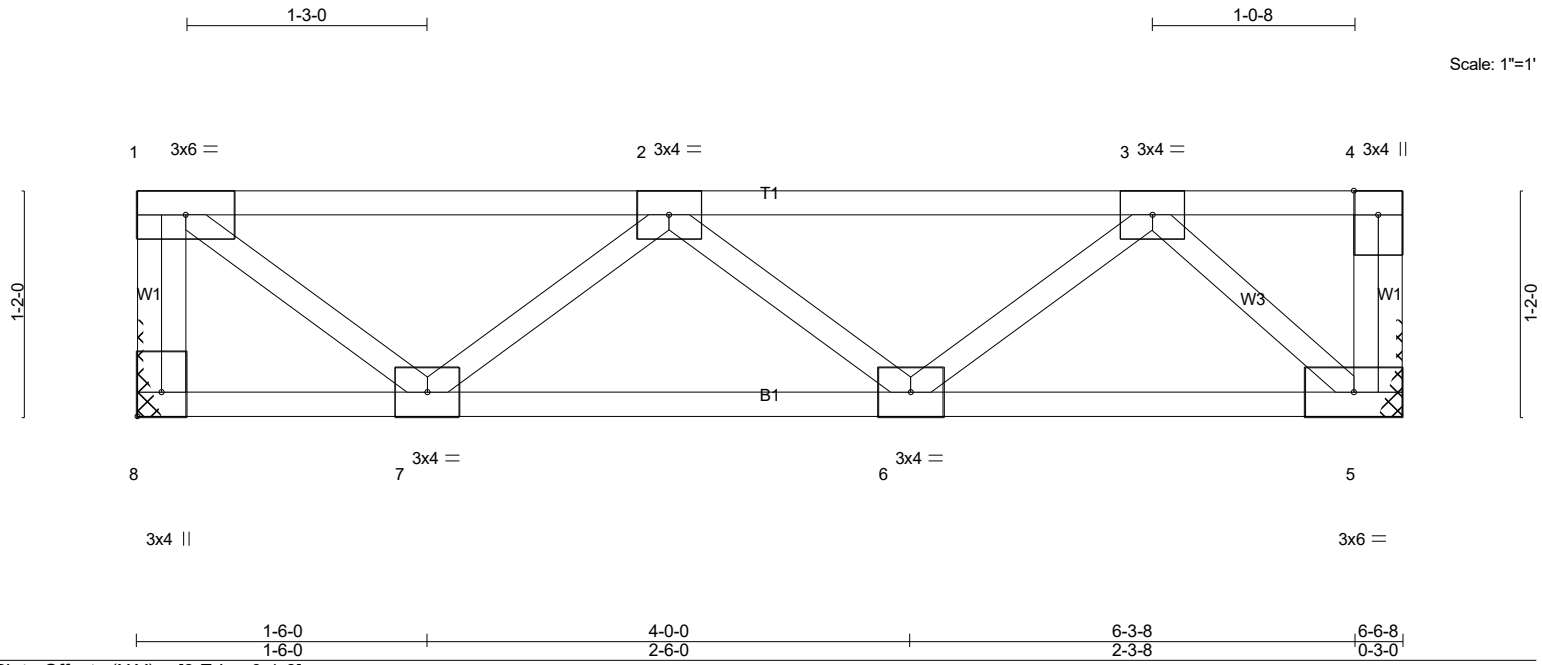

Plate Offsets (X,Y)-- [8:Edge,0-1-8]

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)	-0.00	6	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.08	Vert(CT)	-0.01	6-7	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.12	Horz(CT)	0.00	5	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-P							Weight: 36 lb	FT = 20%F, 11%E

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

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=231/Mechanical, 5=231/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-316/0
BOT CHORD 6-7=0/382
WEBS 1-7=0/261, 3-5=-305/0

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

LOAD CASE(S) Standard

4/24/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0024 CAMPBELL RIDGE | 81 PINON DRIVE ANGIER, NC
25-3580-F02	F216	Floor Girder	1	1	Job Reference (optional) **# 58816**

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 14:20:44 2025 Page 1
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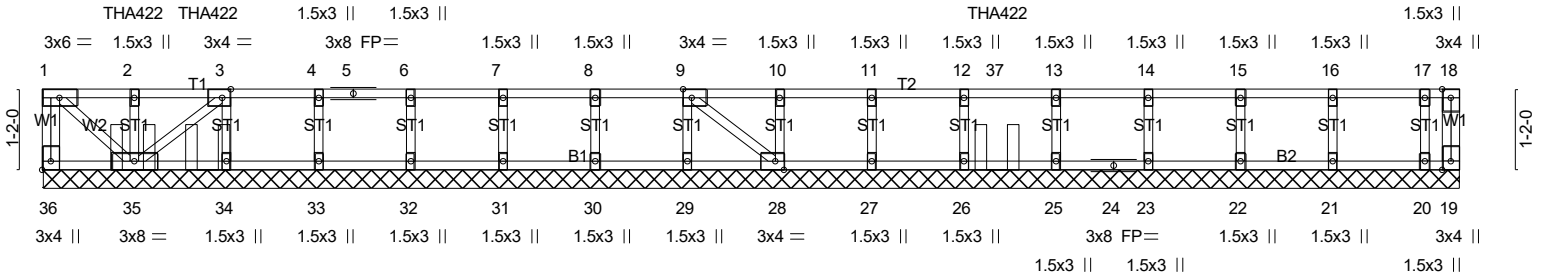

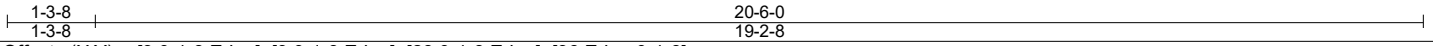

Plate Offsets (X,Y)-- [3:0-1-8,Edge], [9:0-1-8,Edge], [28:0-1-8,Edge], [36:Edge,0-1-8]

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	0.30	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	NO	WB	0.08	Horz(CT)	0.00	19	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 93 lb	FT = 20%F, 11%E

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

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

REACTIONS. All bearings 20-6-0.
(lb) - Max Uplift All uplift 100 lb or less at joint(s) 19
Max Grav All reactions 250 lb or less at joint(s) 36, 19, 35, 34, 33, 32, 31, 30, 29, 28, 27, 23, 22, 21, 20 except 26=351(LC 1), 25=257(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 12-26=-337/0

NOTES- (10)
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 19.
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) Use Simpson Strong-Tie THA422 (Single Chord Girder) or equivalent spaced at 11-5-0 oc max. starting at 1-3-12 from the left end to 13-9-12 to connect truss(es) F213 (1 ply 2x4 SP), F214 (1 ply 2x4 SP) to front face of top chord.
8) Fill all nail holes where hanger is in contact with lumber.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 19-36=-10, 1-18=-100
Concentrated Loads (lb)
Vert: 2=-49(F) 3=-49(F) 37=-266(F)

4/24/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0024 CAMPBELL RIDGE | 81 PINON DRIVE ANGIER, NC
25-3580-F02	F217	Floor	2	1	**# 58816**
					Job Reference (optional)

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 14:20:44 2025 Page 1
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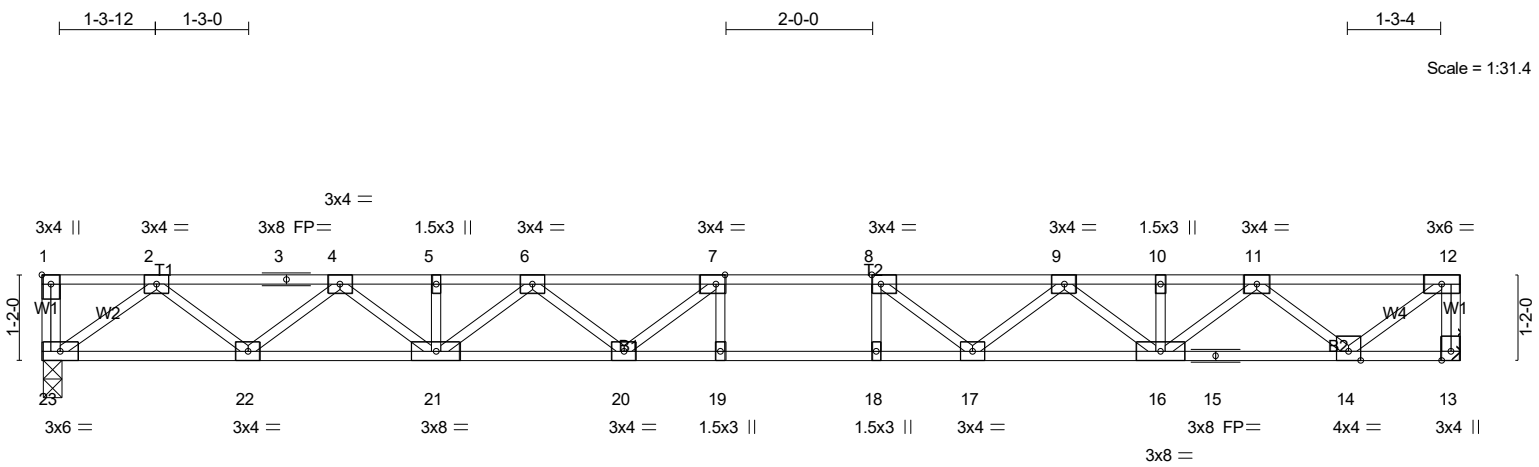

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [7:0-1-8,Edge], [8:0-1-8,Edge]

LOADING (psf)		**SPACING-**	1-4-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.41	Vert(LL)	-0.28	19	>831	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.85	Vert(CT)	-0.38	19	>605	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.49	Horz(CT)	0.06	13	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 98 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP 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=700/0-3-8 (min. 0-1-8), 13=700/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 12-13=-695/0, 2-3=-1526/0, 3-4=-1526/0, 4-5=-2543/0, 5-6=-2543/0, 6-7=-3063/0, 7-8=-3166/0, 8-9=-2850/0, 9-10=-2099/0, 10-11=-2099/0, 11-12=-832/0
BOT CHORD 22-23=0/913, 21-22=0/2115, 20-21=0/2914, 19-20=0/3166, 18-19=0/3166, 17-18=0/3166, 16-17=0/2569, 15-16=0/1563, 14-15=0/1563
WEBS 7-20=-374/122, 6-20=0/309, 6-21=-473/0, 4-21=0/546, 4-22=-767/0, 2-22=0/798, 2-23=-1127/0, 8-17=-558/0, 9-17=0/426, 9-16=-600/0, 11-16=0/685, 11-14=-951/0, 12-14=0/1039

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

LOAD CASE(S) Standard

4/24/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0024 CAMPBELL RIDGE | 81 PINON DRIVE ANGIER, NC
25-3580-F02	F218	Floor	10	1	**# 58816**
					Job Reference (optional)

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 14:20:45 2025 Page 1
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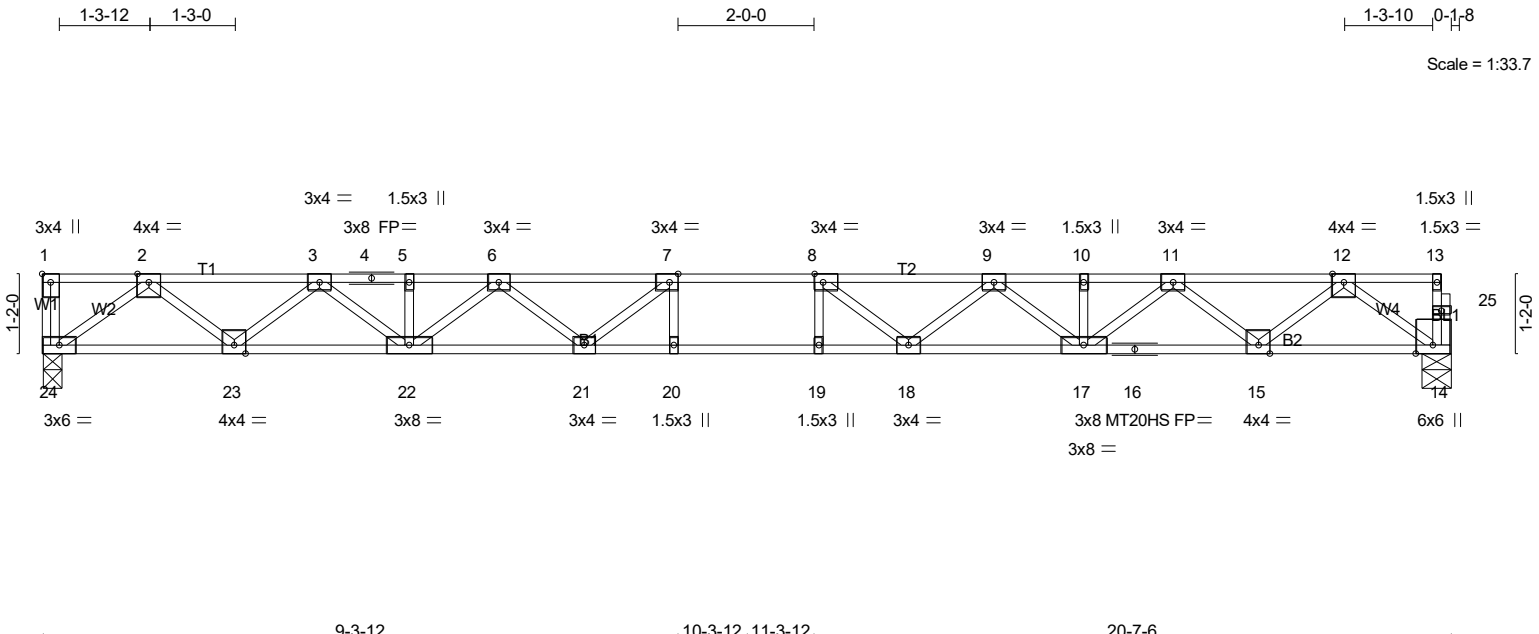

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [7:0-1-8,Edge], [8:0-1-8,Edge]

LOADING (psf)		**SPACING-**	1-7-3	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.51	Vert(LL)	-0.40	19-20	>615	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.99	Vert(CT)	-0.55	19-20	>446	360	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.50	Horz(CT)	0.09	14	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 104 lb	FT = 20%F, 11%E

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.

REACTIONS. (lb/size) 24=895/0-3-8 (min. 0-1-8), 14=890/0-5-2 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1974/0, 3-4=-3336/0, 4-5=-3336/0, 5-6=-3336/0, 6-7=-4095/0, 7-8=-4345/0, 8-9=-4093/0, 9-10=-3331/0, 10-11=-3331/0, 11-12=-1967/0
BOT CHORD 23-24=0/1172, 22-23=0/2749, 21-22=0/3837, 20-21=0/4345, 19-20=0/4345, 18-19=0/4345, 17-18=0/3834, 16-17=0/2743, 15-16=0/2743, 14-15=0/1164
WEBS 7-21=-585/65, 6-21=0/458, 6-22=-640/0, 3-22=0/749, 3-23=-1008/0, 2-23=0/1044, 2-24=-1447/0, 8-18=-586/63, 9-18=0/459, 9-17=-641/0, 11-17=0/751, 11-15=-1010/0, 12-15=0/1046, 12-14=-1438/0

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

LOAD CASE(S) Standard

4/24/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0024 CAMPBELL RIDGE | 81 PINON DRIVE ANGIER, NC
25-3580-F02	F219	Floor Supported Gable	1	1	Job Reference (optional) **# 58816**

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 14:20:45 2025 Page 1
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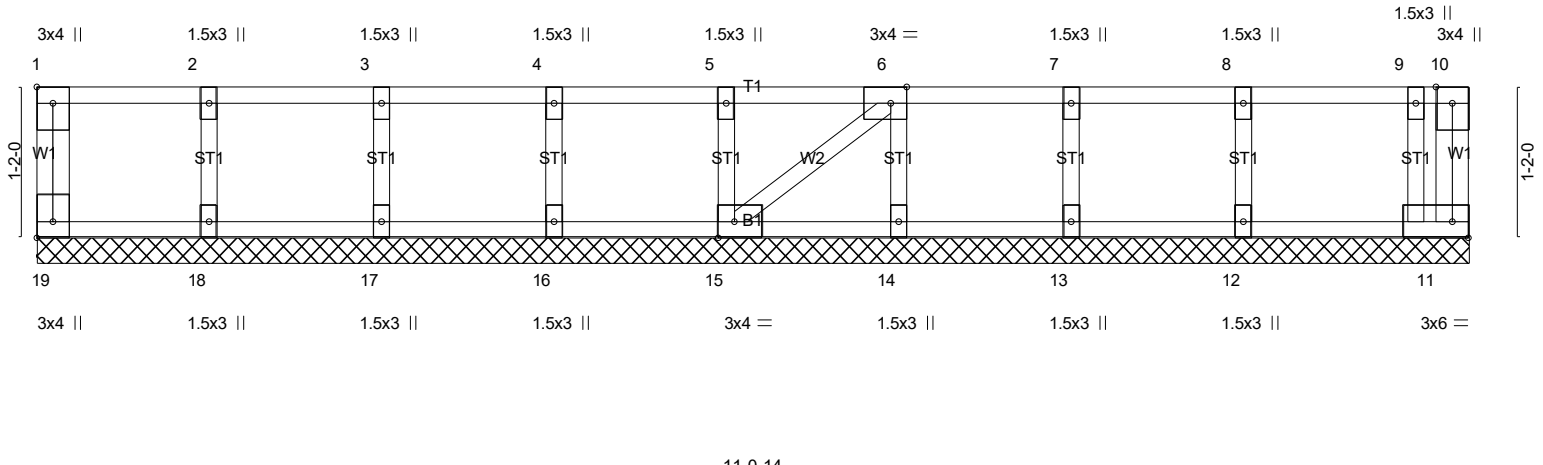

11-0-14
11-0-14

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [6:0-1-8,Edge], [15:0-1-8,Edge], [19:Edge,0-1-8]

LOADING (psf)		**SPACING-**	1-7-3	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.05	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	11	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 52 lb	FT = 20%F, 11%E

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

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

REACTIONS. All bearings 11-0-14.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 19, 11, 18, 17, 16, 15, 14, 13, 12

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

NOTES- (5-8)
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) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. 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.
7) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
8) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard

4/24/2025

Job	Truss	Truss Type	Qty	Ply	LOT 0.0024 CAMPBELL RIDGE | 81 PINON DRIVE ANGIER, NC
25-3580-F02	F220	Floor Supported Gable	1	1	Job Reference (optional) **# 58816**

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 14:20:45 2025 Page 1
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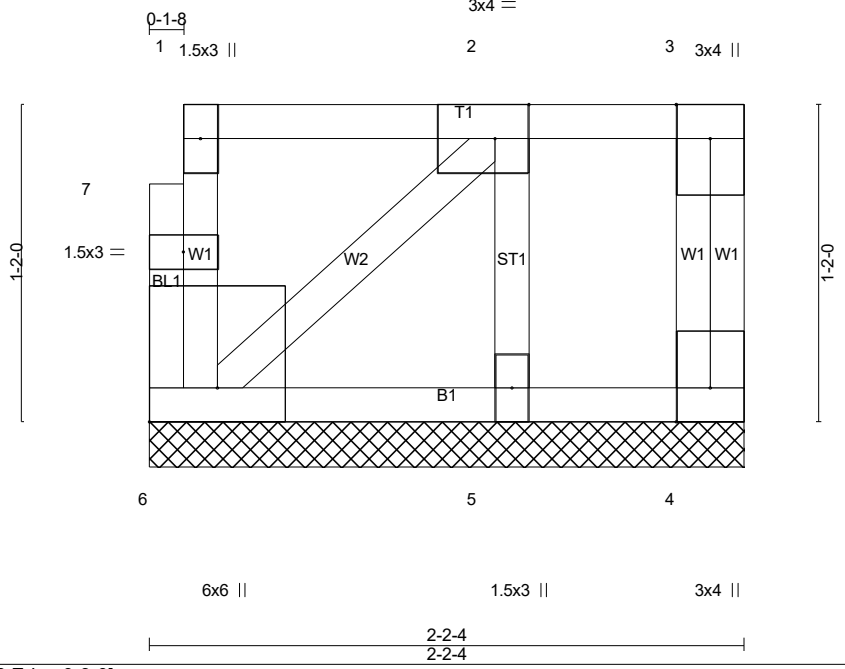

Plate Offsets (X,Y)-- [2:0-1-8,Edge], [6:Edge,0-3-0]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.05	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		n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-P							Weight: 15 lb	FT = 20%F, 11%E

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 4=22/2-2-4 (min. 0-1-8), 6=49/2-2-4 (min. 0-1-8), 5=136/2-2-4 (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

4/24/2025