

# Mark Morris, P.E.

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The truss drawing(s) listed below have been prepared by **Atlantic Building Components** under my direct supervision based on the parameters provided by the truss designers.

AST #: 58814

JOB: 25-3580-R01

JOB NAME: LOT 0.0024 CAMPBELL RIDGE

Wind Code: ASCE7-16

Wind Speed: Vult= 120mph

Exposure Category: B

Mean Roof Height (feet): 23

These truss designs comply with IRC 2015 as well as IRC 2018.

*37 Truss Design(s)*

Trusses:

BR01, BR02, GR01, GR02, J01, J02, J03, J04, J05, PB01, PB02, PB03, R01, R02, R02A, R03, R04, R05, R06, R07, R08, R09, R10, R11, R12, R13, R14, R15, SP01, SP02, VT01, VT02,



4/24/2025

**Mark Morris**

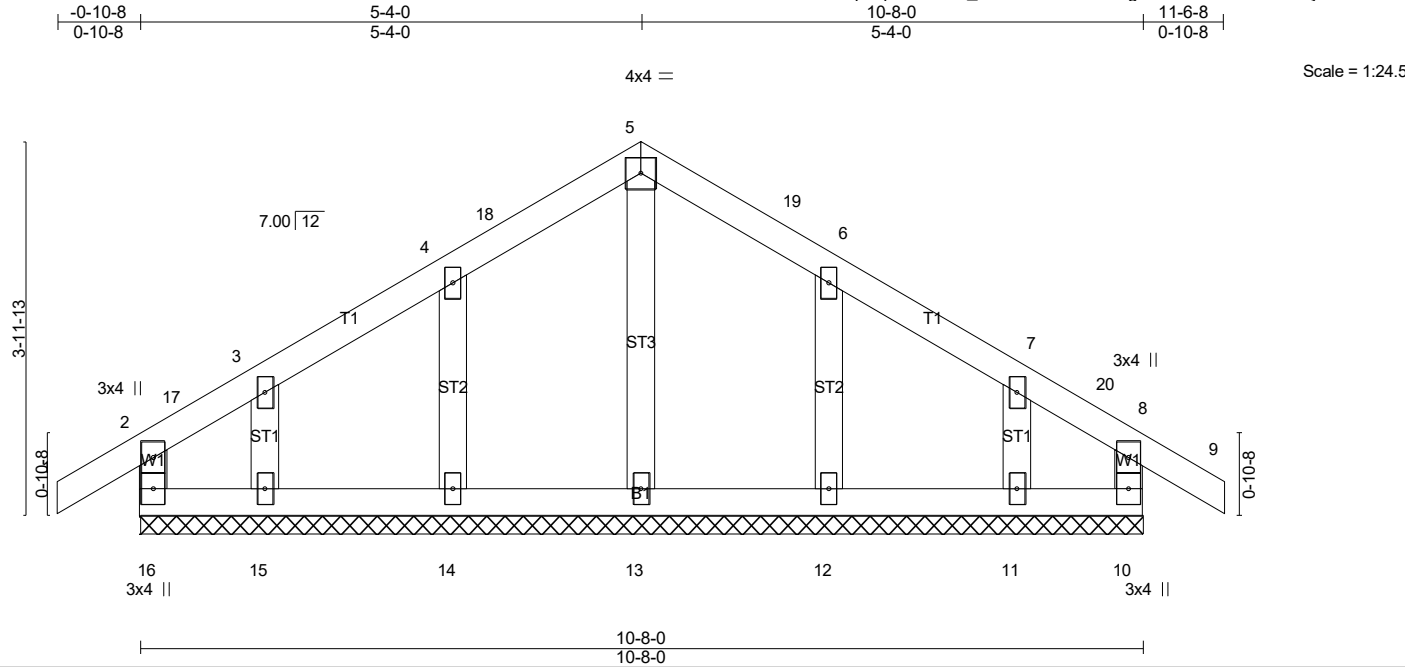
*My license renewal date for the state of North Carolina is 12/31/2025*

***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 53719.

|             |       |                        |     |     |                                                       |
|-------------|-------|------------------------|-----|-----|-------------------------------------------------------|
| Job         | Truss | Truss Type             | Qty | Ply | LOT 0.0024 CAMPBELL RIDGE   81 PINON DRIVE ANGIER, NC |
| 25-3580-R01 | BR01  | Common Supported Gable | 1   | 1   | Job Reference (optional) # 58814                      |

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 14:16:55 2025 Page 1  
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| LOADING (psf)    | SPACING-             | CSI.     | DEFL.                    | PLATES        | GRIP     |
|------------------|----------------------|----------|--------------------------|---------------|----------|
| TCLL (roof) 20.0 | 2-0-0                | TC 0.12  | in (loc) l/defl L/d      | MT20          | 244/190  |
| Snow (Pf) 20.0   | Plate Grip DOL 1.25  | BC 0.05  | Vert(LL) -0.00 9 n/r 180 |               |          |
| TCDL 10.0        | Lumber DOL 1.25      | WB 0.05  | Vert(CT) -0.00 9 n/r 80  |               |          |
| BCLL 0.0 *       | Rep Stress Incr YES  | Matrix-R | Horz(CT) 0.00 10 n/a n/a |               |          |
| BCDL 10.0        | Code IRC2021/TPI2014 |          |                          | Weight: 54 lb | FT = 20% |

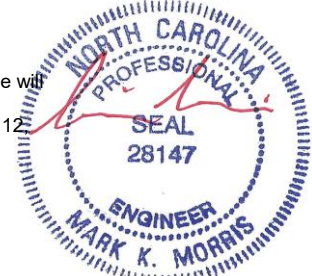
|                                                                                                            |                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>LUMBER-</b><br>TOP CHORD 2x4 SP No.2<br>BOT CHORD 2x4 SP No.3<br>WEBS 2x4 SP No.3<br>OTHERS 2x4 SP No.3 | <b>BRACING-</b><br>TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.<br>BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.<br><div>MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.</div> |
|------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**REACTIONS.** All bearings 10-8-0.  
(lb) - Max Horz 16=71(LC 13)  
Max Uplift All uplift 100 lb or less at joint(s) 16, 10, 14, 15, 12, 11  
Max Grav All reactions 250 lb or less at joint(s) 16, 10, 13, 15, 11 except 14=258(LC 21), 12=258(LC 22)

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

- NOTES-** (14)
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCCL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) -0-10-8 to 3-11-2, Corner(3R) 3-11-2 to 6-8-14, Corner(3E) 6-8-14 to 11-6-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
  - TCCL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
  - Unbalanced snow loads have been considered for this design.
  - This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
  - All plates are 2x4 MT20 unless otherwise indicated.
  - Gable requires continuous bottom chord bearing.
  - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
  - Gable studs spaced at 2-0-0 oc.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 16, 10, 14, 15, 12, 11.

**LOAD CASE(S)** Standard

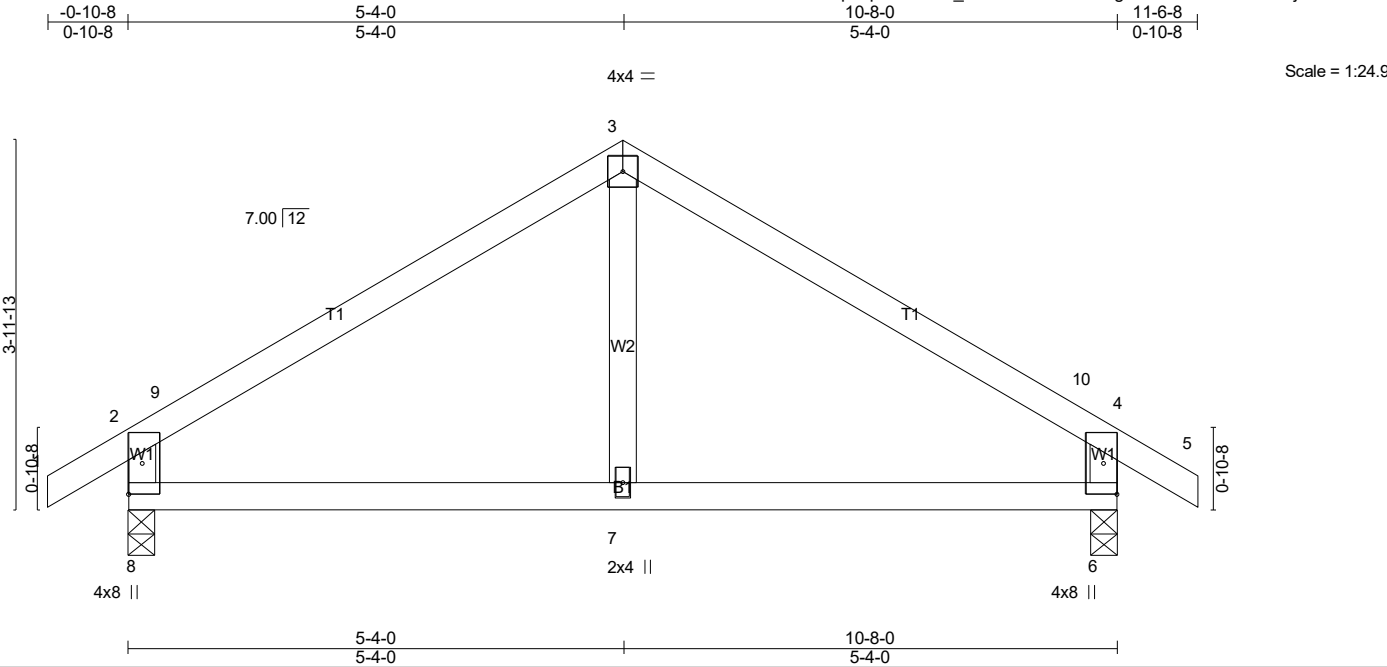


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|                          |       |            |     |     |                                                       |
|--------------------------|-------|------------|-----|-----|-------------------------------------------------------|
| Job                      | Truss | Truss Type | Qty | Ply | LOT 0.0024 CAMPBELL RIDGE   81 PINON DRIVE ANGIER, NC |
| 25-3580-R01              | BR02  | Common     | 3   | 1   |                                                       |
| Job Reference (optional) |       |            |     |     | # 58814                                               |

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 14:16:55 2025 Page 1  
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|                      |       |                      |      |             |      |              |        |               |      |             |  |
|----------------------|-------|----------------------|------|-------------|------|--------------|--------|---------------|------|-------------|--|
| <b>LOADING</b> (psf) |       | <b>SPACING-</b>      |      | <b>CSI.</b> |      | <b>DEFL.</b> |        | <b>PLATES</b> |      | <b>GRIP</b> |  |
| TCLL (roof)          | 20.0  | Plate Grip DOL       | 1.25 | TC          | 0.71 | in (loc)     | l/defl | L/d           | MT20 | 244/190     |  |
| Snow (Pf)            | 20.0  | Lumber DOL           | 1.25 | BC          | 0.25 | Vert(LL)     | -0.02  | 6-7           | >999 | 240         |  |
| TCDL                 | 10.0  | Rep Stress Incr      | YES  | WB          | 0.08 | Vert(CT)     | -0.04  | 6-7           | >999 | 180         |  |
| BCLL                 | 0.0 * | Code IRC2021/TPI2014 |      | Matrix-R    |      | Horz(CT)     | 0.01   | 6             | n/a  | n/a         |  |
| BCDL                 | 10.0  |                      |      |             |      |              |        |               |      |             |  |
| Weight: 44 lb        |       |                      |      |             |      |              |        |               |      | FT = 20%    |  |

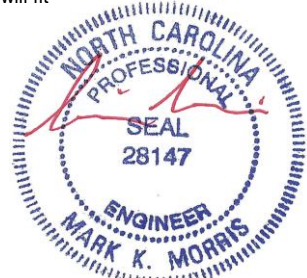
|                |             |                 |                                                                                                                                                    |
|----------------|-------------|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>LUMBER-</b> |             | <b>BRACING-</b> |                                                                                                                                                    |
| TOP CHORD      | 2x4 SP No.2 | TOP CHORD       | Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.                                                              |
| BOT CHORD      | 2x4 SP No.2 | BOT CHORD       | Rigid ceiling directly applied or 10-0-0 oc bracing.                                                                                               |
| WEBS           | 2x4 SP No.3 |                 | MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide. |

**REACTIONS.** (lb/size) 8=476/0-3-8 (min. 0-1-8), 6=476/0-3-8 (min. 0-1-8)  
Max Horz 8=71(LC 13)  
Max Uplift 8=-46(LC 14), 6=-46(LC 15)  
Max Grav 8=566(LC 21), 6=566(LC 22)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-9=-511/68, 3-9=-498/94, 3-10=-498/94, 4-10=-511/68, 2-8=-516/144, 4-6=-516/144  
BOT CHORD 7-8=-3/327, 6-7=-3/327

- NOTES-** (9)
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 3-11-2, Exterior(2R) 3-11-2 to 6-8-14, Exterior(2E) 6-8-14 to 11-6-8 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
  - Unbalanced snow loads have been considered for this design.
  - This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 6.

**LOAD CASE(S)** Standard

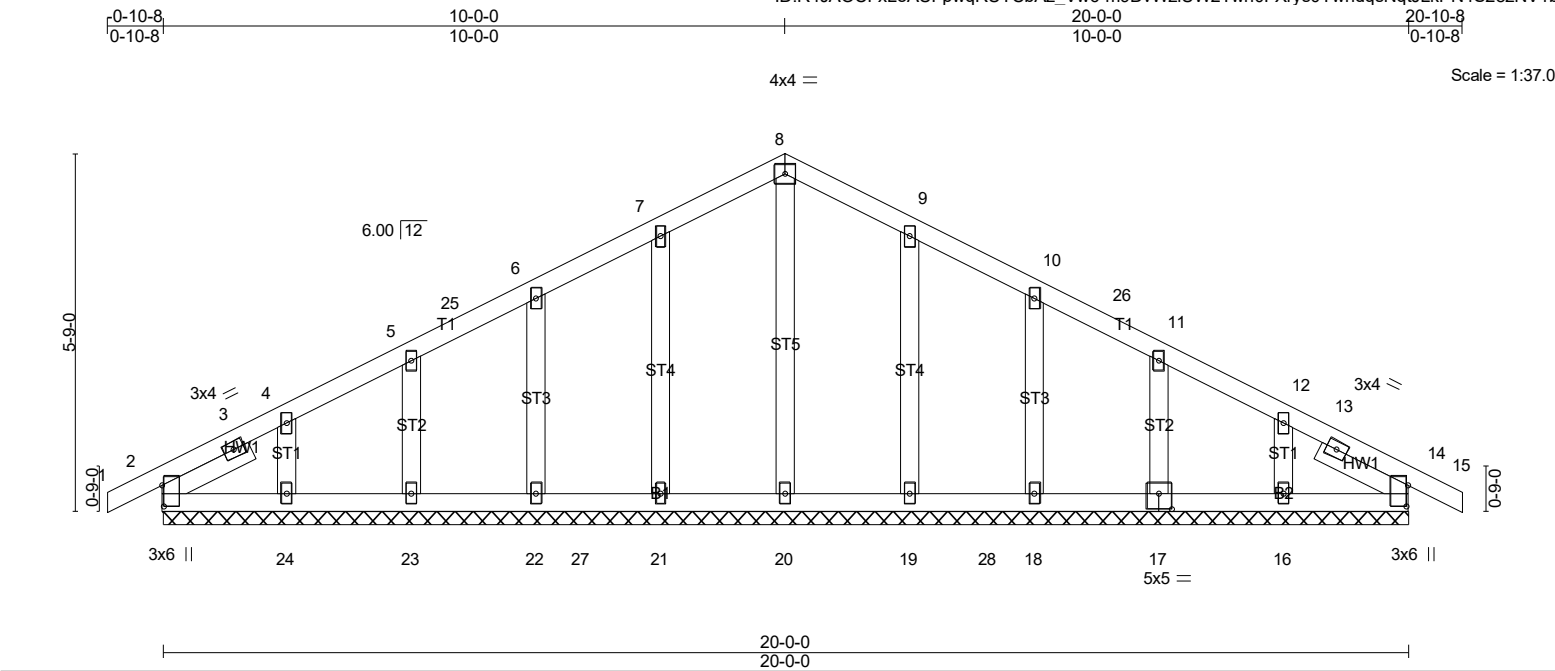


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|                          |       |                        |     |     |                                                       |
|--------------------------|-------|------------------------|-----|-----|-------------------------------------------------------|
| Job                      | Truss | Truss Type             | Qty | Ply | LOT 0.0024 CAMPBELL RIDGE   81 PINON DRIVE ANGIER, NC |
| 25-3580-R01              | GR01  | Common Supported Gable | 1   | 1   |                                                       |
| Job Reference (optional) |       |                        |     |     | # 58814                                               |

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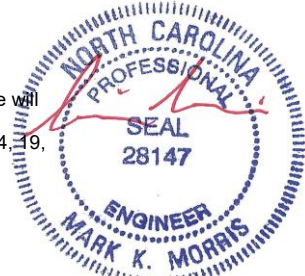
| Plate Offsets (X,Y)-- [2:0-4-1,0-0-5], [14:0-4-1,0-0-5], [17:0-2-8,0-3-0] |       |                      |       |           |                           |                         |
|---------------------------------------------------------------------------|-------|----------------------|-------|-----------|---------------------------|-------------------------|
| LOADING (psf)                                                             |       | SPACING-             | 2-0-0 | CSI.      | DEFL.                     | PLATES                  |
| TCLL (roof)                                                               | 20.0  | Plate Grip DOL       | 1.25  | TC 0.08   | in (loc) l/defl L/d       | MT20                    |
| Snow (Pf)                                                                 | 20.0  | Lumber DOL           | 1.25  | BC 0.09   | Vert(LL) -0.00 14 n/r 180 | GRIP                    |
| TCDL                                                                      | 10.0  | Rep Stress Incr      | YES   | WB 0.08   | Vert(CT) -0.00 14 n/r 80  | 244/190                 |
| BCLL                                                                      | 0.0 * | Code IRC2021/TPI2014 |       | Matrix-SH | Horz(CT) 0.00 14 n/a n/a  |                         |
| BCDL                                                                      | 10.0  |                      |       |           |                           | Weight: 111 lb FT = 20% |

|                                                        |                                                                           |
|--------------------------------------------------------|---------------------------------------------------------------------------|
| LUMBER-                                                | BRACING-                                                                  |
| TOP CHORD 2x4 SP No.2                                  | TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins. |
| BOT CHORD 2x4 SP No.3                                  | BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.            |
| OTHERS 2x4 SP No.3                                     |                                                                           |
| SLIDER Left 2x4 SP No.3 1-7-3, Right 2x4 SP No.3 1-7-3 |                                                                           |

**REACTIONS.** All bearings 20-0-0.  
(lb) - Max Horz 2=72(LC 18)  
Max Uplift All uplift 100 lb or less at joint(s) 2, 21, 22, 23, 24, 19, 18, 17, 16  
Max Grav All reactions 250 lb or less at joint(s) 2, 20, 22, 23, 24, 18, 17, 16, 14 except 21=291(LC 5), 19=291(LC 6)

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

- NOTES-** (14-17)
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) -0-10-8 to 4-0-0, Exterior(2N) 4-0-0 to 5-2-6, Corner(3R) 5-2-6 to 14-9-10, Exterior(2N) 14-9-10 to 16-0-0, Corner(3E) 16-0-0 to 20-10-8 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
  - TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
  - Unbalanced snow loads have been considered for this design.
  - This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
  - All plates are 2x4 MT20 unless otherwise indicated.
  - Gable requires continuous bottom chord bearing.
  - Gable studs spaced at 2-0-0 oc.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 21, 22, 23, 24, 19, 18, 17, 16.
  - Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2.



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-R01 | GR01  | Common Supported Gable | 1   | 1   | Job Reference (optional) # 58814                      |

- 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 14:16:56 2025 Page 2

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- 14) 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.

15) 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.

16) 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.

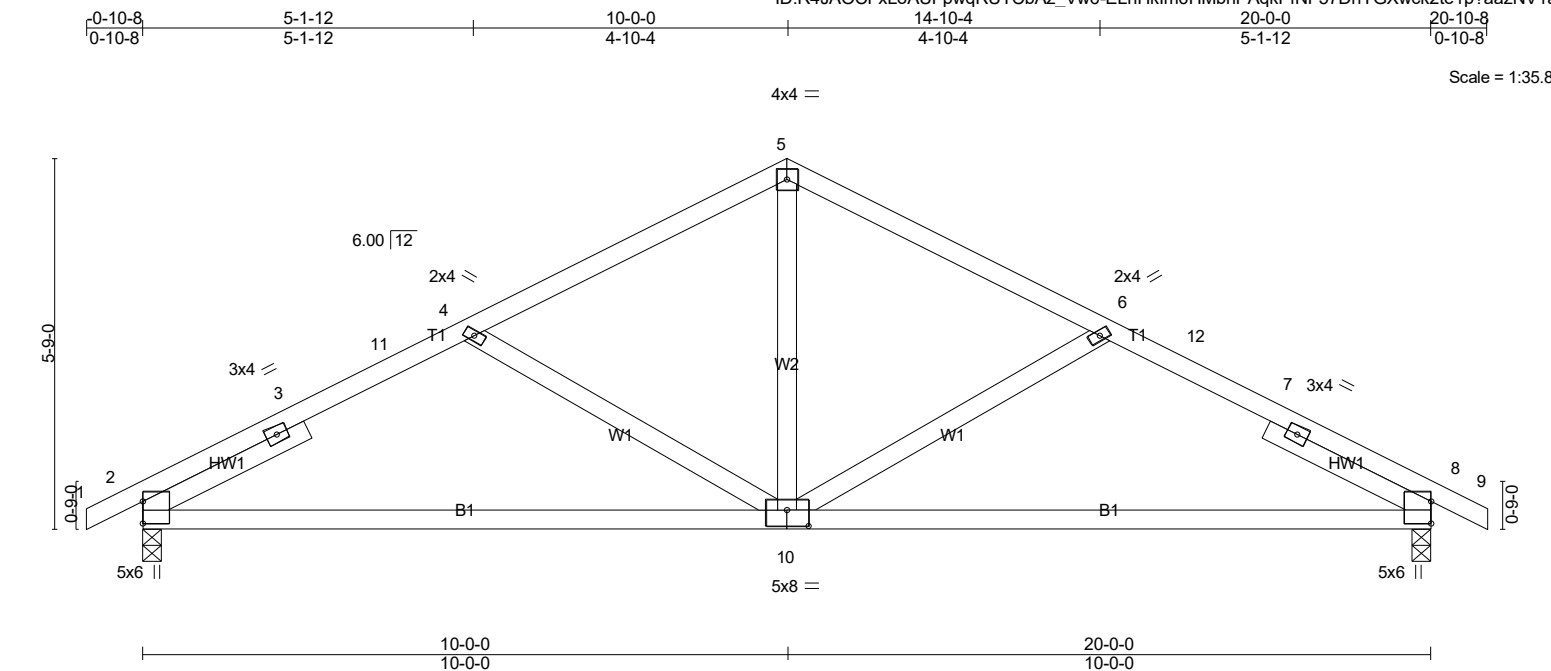
17) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

**LOAD CASE(S)** Standard



4/24/2025

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| Plate Offsets (X,Y)-- [10:0-4-0,0-3-0] |       |                      |      |           |      |          |            |               |          |
|----------------------------------------|-------|----------------------|------|-----------|------|----------|------------|---------------|----------|
| LOADING (psf)                          |       | SPACING-             |      | CSI.      |      | DEFL.    |            | PLATES        | GRIP     |
| TCLL (roof)                            | 20.0  | 2-0-0                |      | TC        | 0.53 | in (loc) | l/defl     | L/d           |          |
| Snow (Pf)                              | 20.0  | Plate Grip DOL       | 1.25 | BC        | 0.87 | Vert(LL) | -0.14 2-10 | >999          | 240      |
| TCDL                                   | 10.0  | Lumber DOL           | 1.25 | WB        | 0.24 | Vert(CT) | -0.30 2-10 | >806          | 180      |
| BCLL                                   | 0.0 * | Rep Stress Incr      | YES  | Matrix-SH |      | Horz(CT) | 0.03 8     | n/a           | n/a      |
| BCDL                                   | 10.0  | Code IRC2021/TPI2014 |      |           |      |          |            |               |          |
|                                        |       |                      |      |           |      |          |            | Weight: 99 lb | FT = 20% |

LUMBER-

TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 SP No.2

WEBS 2x4 SP No.3

SLIDER Left 2x4 SP No.3 2-10-3, Right 2x4 SP No.3 2-10-3

BRACING-

TOP CHORD

BOT CHORD

Structural wood sheathing directly applied or 4-8-13 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

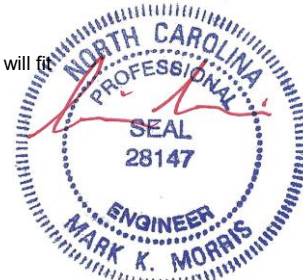
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS.** (lb/size) 2=853/0-3-8 (min. 0-1-8), 8=853/0-3-8 (min. 0-1-8)  
Max Horz 2=72(LC 18)  
Max Uplift 2=-77(LC 14), 8=-77(LC 15)  
Max Grav 2=888(LC 21), 8=888(LC 22)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-3=-1315/233, 3-11=-1198/243, 4-11=-1184/254, 4-5=-964/198, 5-6=-964/198,  
6-12=-1183/254, 7-12=-1198/243, 7-8=-1315/233  
BOT CHORD 2-10=-155/1090, 8-10=-155/1090  
WEBS 5-10=-43/526, 6-10=-377/145, 4-10=-377/145

- NOTES-** (9)
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 3-11-2, Interior(1) 3-11-2 to 4-11-15, Exterior(2R) 4-11-15 to 15-0-1, Interior(1) 15-0-1 to 16-0-14, Exterior(2E) 16-0-14 to 20-10-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
  - Unbalanced snow loads have been considered for this design.
  - This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8.

**LOAD CASE(S)** Standard

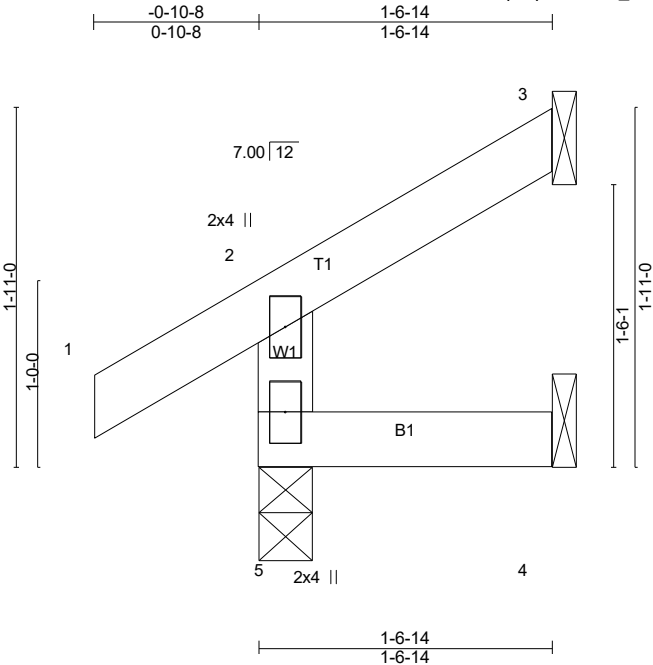


4/24/2025

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|             |       |            |     |     |                                                       |
|-------------|-------|------------|-----|-----|-------------------------------------------------------|
| Job         | Truss | Truss Type | Qty | Ply | LOT 0.0024 CAMPBELL RIDGE   81 PINON DRIVE ANGIER, NC |
| 25-3580-R01 | J01   | Jack-Open  | 1   | 1   | Job Reference (optional) # 58814                      |

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 14:16:57 2025 Page 1  
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Scale = 1:12.3

|                      |                      |             |                           |               |             |
|----------------------|----------------------|-------------|---------------------------|---------------|-------------|
| <b>LOADING</b> (psf) | <b>SPACING-</b>      | <b>CSI.</b> | <b>DEFL.</b>              | <b>PLATES</b> | <b>GRIP</b> |
| TCLL (roof) 20.0     | 2-0-0                | TC 0.12     | in (loc) l/defl L/d       | MT20          | 244/190     |
| Snow (Pf) 20.0       | Plate Grip DOL 1.25  | BC 0.04     | Vert(LL) 0.00 5 >999 240  |               |             |
| TCDL 10.0            | Lumber DOL 1.25      | WB 0.00     | Vert(CT) -0.00 5 >999 180 |               |             |
| BCLL 0.0 *           | Rep Stress Incr YES  | Matrix-R    | Horz(CT) -0.00 3 n/a n/a  |               |             |
| BCDL 10.0            | Code IRC2021/TPI2014 |             |                           | Weight: 8 lb  | FT = 20%    |

**LUMBER-**  
TOP CHORD 2x4 SP No.2  
BOT CHORD 2x4 SP No.2  
WEBS 2x4 SP No.3

**BRACING-**  
TOP CHORD Structural wood sheathing directly applied or 1-6-14 oc purlins, except end verticals.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.  
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS.** (lb/size) 5=140/0-3-8 (min. 0-1-8), 3=25/Mechanical, 4=10/Mechanical  
Max Horz 5=41(LC 14)  
Max Uplift 5=-4(LC 14), 3=-24(LC 14), 4=-4(LC 14)  
Max Grav 5=193(LC 21), 3=35(LC 21), 4=25(LC 7)

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

- NOTES-** (9)
- 1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCCL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 2) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
  - 3) Unbalanced snow loads have been considered for this design.
  - 4) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
  - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 6) \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
  - 7) Refer to girder(s) for truss to truss connections.
  - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 3, 4.

**LOAD CASE(S)** Standard



4/24/2025

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8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 14:16:58 2025 Page 1  
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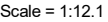


Plate Offsets (X,Y)-- [3:0-4-8,0-2-0]

[illegible]

**LUMBER-**

TOP CHORD 2x4 SP No.2  
BOT CHORD 2x4 SP No.2  
WEBS 2x4 SP No.3

**BRACING-**

TOP CHORD

Structural wood sheathing directly applied or 4-0-0 oc purlins, except end verticals.

BOT CHORD

Rigid ceiling directly applied or 6-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS.** (lb/size) 7=221/0-3-8 (min. 0-1-8), 4=98/Mechanical, 5=45/Mechanical

Max Horz 7=39(LC 37)  
Max Uplift 7=-19(LC 10), 4=-34(LC 7)  
Max Grav 7=221(LC 1), 4=101(LC 26), 5=69(LC 5)

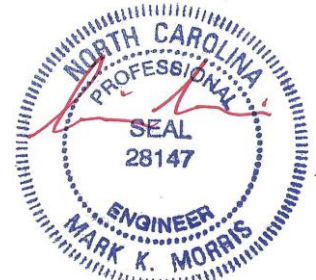
**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

**NOTES- (12)**

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
- 3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 4) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- 5) Provide adequate drainage to prevent water ponding.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- 8) Refer to girder(s) for truss to truss connections.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7, 4.
- 10) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidelines.
- 11) 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 + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15  
Uniform Loads (plf)  
Vert: 1-2=-60, 2-3=-60, 3-4=-60, 5-7=-20  
Concentrated Loads (lb)  
Vert: 9=1(F)

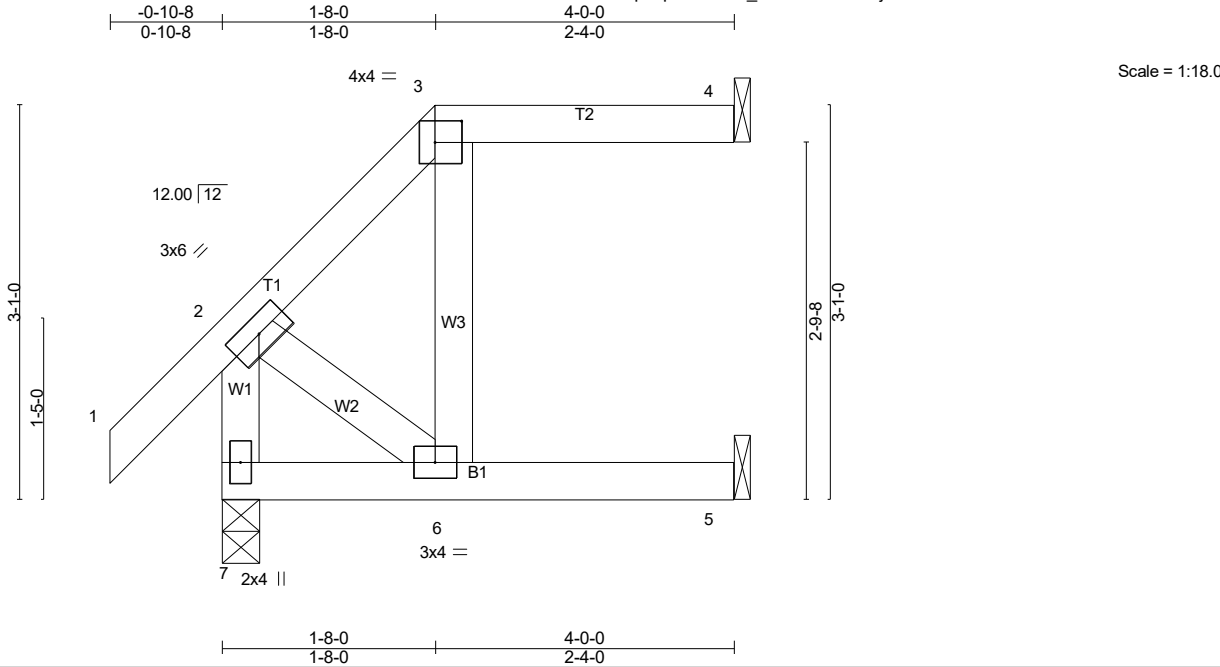


4/24/2025

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|             |       |            |     |     |                                                       |
|-------------|-------|------------|-----|-----|-------------------------------------------------------|
| Job         | Truss | Truss Type | Qty | Ply | LOT 0.0024 CAMPBELL RIDGE   81 PINON DRIVE ANGIER, NC |
| 25-3580-R01 | J03   | Jack-Open  | 1   | 1   | Job Reference (optional) # 58814                      |

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 14:16:58 2025 Page 1  
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| Plate Offsets (X,Y)-- [3:0-2-8,0-2-0] |       |                      |      |          |      |          |              |        |                        |
|---------------------------------------|-------|----------------------|------|----------|------|----------|--------------|--------|------------------------|
| LOADING (psf)                         |       | SPACING-             |      | CSI.     |      | DEFL.    |              | PLATES | GRIP                   |
| TCLL (roof)                           | 20.0  | 2-0-0                |      | TC       | 0.13 | in (loc) | l/defl       | L/d    |                        |
| Snow (Pf)                             | 20.0  | Plate Grip DOL       | 1.25 | BC       | 0.27 | Vert(LL) | 0.03 6 >999  | 240    | MT20 244/190           |
| TCDL                                  | 10.0  | Lumber DOL           | 1.25 | WB       | 0.03 | Vert(CT) | -0.04 6 >999 | 180    |                        |
| BCLL                                  | 0.0 * | Rep Stress Incr      | YES  | Matrix-P |      | Horz(CT) | 0.06 4 n/a   | n/a    |                        |
| BCDL                                  | 10.0  | Code IRC2021/TPI2014 |      |          |      |          |              |        | Weight: 23 lb FT = 20% |

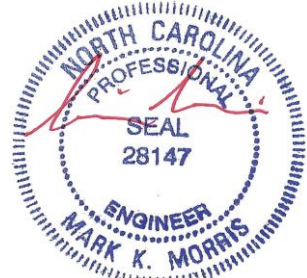
| LUMBER-   |             | BRACING-  |                                                                                                                                                    |
|-----------|-------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| TOP CHORD | 2x4 SP No.2 | TOP CHORD | Structural wood sheathing directly applied or 4-0-0 oc purlins, except end verticals.                                                              |
| BOT CHORD | 2x4 SP No.2 | BOT CHORD | Rigid ceiling directly applied or 10-0-0 oc bracing.                                                                                               |
| WEBS      | 2x4 SP No.3 |           | MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide. |

**REACTIONS.** (lb/size) 7=221/0-3-8 (min. 0-1-8), 4=68/Mechanical, 5=75/Mechanical  
Max Horz 7=75(LC 12)  
Max Uplift 4=-23(LC 8), 5=-19(LC 12)  
Max Grav 7=221(LC 1), 4=68(LC 1), 5=88(LC 5)

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

- NOTES-** (10)
- 1) Unbalanced roof live loads have been considered for this design.
  - 2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
  - 4) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
  - 5) Provide adequate drainage to prevent water ponding.
  - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 7) \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
  - 8) Refer to girder(s) for truss to truss connections.
  - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 5.

**LOAD CASE(S)** Standard



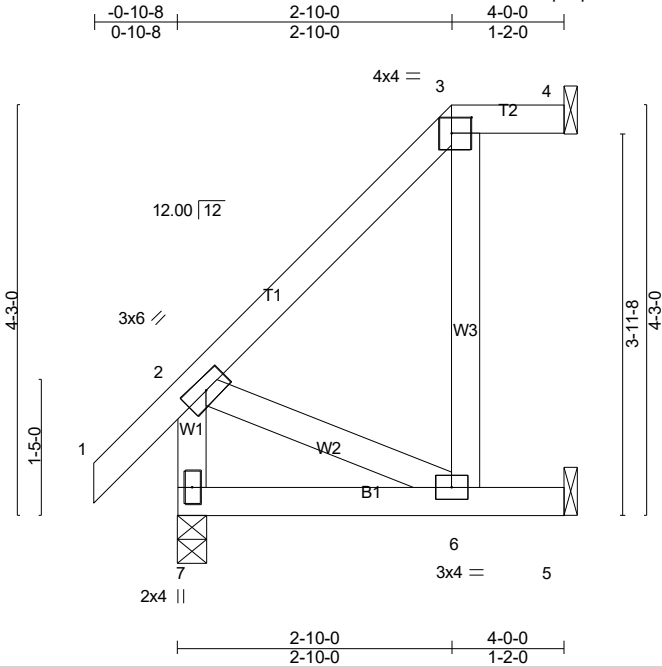
4/24/2025

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|             |       |            |     |     |                                                       |
|-------------|-------|------------|-----|-----|-------------------------------------------------------|
| Job         | Truss | Truss Type | Qty | Ply | LOT 0.0024 CAMPBELL RIDGE   81 PINON DRIVE ANGIER, NC |
| 25-3580-R01 | J04   | Jack-Open  | 1   | 1   | Job Reference (optional) # 58814                      |

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| Plate Offsets (X,Y)-- [3:0-2-8,0-2-0] |       |                      |      |               |      |          |                    |
|---------------------------------------|-------|----------------------|------|---------------|------|----------|--------------------|
| LOADING (psf)                         |       | SPACING-             |      | CSI.          |      | DEFL.    |                    |
| TCLL (roof)                           | 20.0  | 2-0-0                |      | TC            | 0.13 | in (loc) | l/defl L/d         |
| Snow (Pf)                             | 20.0  | Plate Grip DOL       | 1.25 | BC            | 0.25 | Vert(LL) | 0.03 6-7 >999 240  |
| TCDL                                  | 10.0  | Lumber DOL           | 1.25 | WB            | 0.07 | Vert(CT) | -0.03 6-7 >999 180 |
| BCLL                                  | 0.0 * | Rep Stress Incr      | YES  | Matrix-P      |      | Horz(CT) | -0.04 4 n/a n/a    |
| BCDL                                  | 10.0  | Code IRC2021/TPI2014 |      |               |      |          |                    |
|                                       |       |                      |      | Weight: 27 lb |      | FT = 20% |                    |

**LUMBER-**  
TOP CHORD 2x4 SP No.2  
BOT CHORD 2x4 SP No.2  
WEBS 2x4 SP No.3

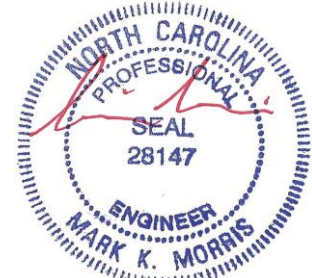
**BRACING-**  
TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins, except end verticals.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.  
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS.** (lb/size) 7=221/0-3-8 (min. 0-1-8), 4=33/Mechanical, 5=110/Mechanical  
Max Horz 7=110(LC 12)  
Max Uplift 4=11(LC 8), 5=63(LC 12)  
Max Grav 7=221(LC 1), 4=33(LC 1), 5=115(LC 20)

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

- NOTES-** (10)
- 1) Unbalanced roof live loads have been considered for this design.
  - 2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
  - 4) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
  - 5) Provide adequate drainage to prevent water ponding.
  - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 7) \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
  - 8) Refer to girder(s) for truss to truss connections.
  - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 5.

**LOAD CASE(S)** Standard

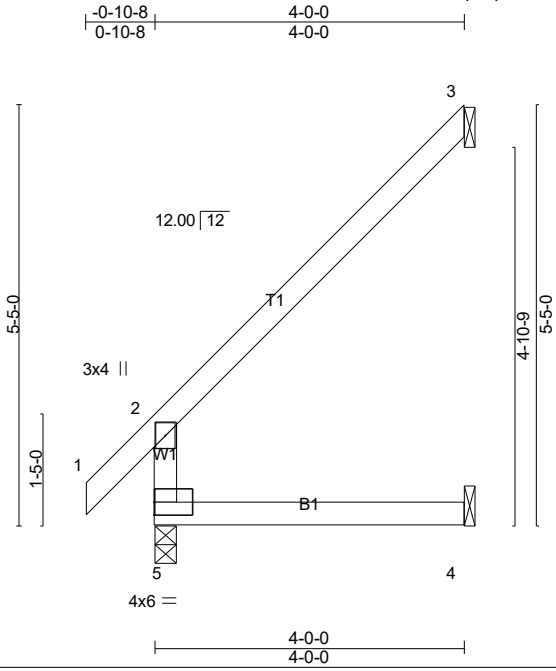


4/24/2025

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|             |       |            |     |     |                                                       |
|-------------|-------|------------|-----|-----|-------------------------------------------------------|
| Job         | Truss | Truss Type | Qty | Ply | LOT 0.0024 CAMPBELL RIDGE   81 PINON DRIVE ANGIER, NC |
| 25-3580-R01 | J05   | Jack-Open  | 12  | 1   | Job Reference (optional) # 58814                      |

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| LOADING (psf)    | SPACING-             | CSI.     | DEFL.                      | PLATES        | GRIP     |
|------------------|----------------------|----------|----------------------------|---------------|----------|
| TCLL (roof) 20.0 | 2-0-0                | TC 0.62  | in (loc) l/defl L/d        | MT20          | 244/190  |
| Snow (Pf) 20.0   | Plate Grip DOL 1.25  | BC 0.43  | Vert(LL) 0.03 4-5 >999 240 |               |          |
| TCDL 10.0        | Lumber DOL 1.25      | WB 0.00  | Vert(CT) 0.03 4-5 >999 180 |               |          |
| BCLL 0.0 *       | Rep Stress Incr YES  | Matrix-R | Horz(CT) -0.07 3 n/a n/a   |               |          |
| BCDL 10.0        | Code IRC2021/TPI2014 |          |                            | Weight: 18 lb | FT = 20% |

| LUMBER-               | BRACING-                                                                                                                                           |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| TOP CHORD 2x4 SP No.2 | TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins, except end verticals.                                                    |
| BOT CHORD 2x4 SP No.2 | BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.                                                                                     |
| WEBS 2x4 SP No.3      | MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide. |

**REACTIONS.** (lb/size) 5=221/0-3-8 (min. 0-1-8), 3=100/Mechanical, 4=43/Mechanical  
Max Horz 5=142(LC 12)  
Max Uplift 3=-102(LC 12), 4=-15(LC 12)  
Max Grav 5=221(LC 1), 3=116(LC 20), 4=73(LC 5)

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

- NOTES-** (8)
- 1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 2) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
  - 3) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
  - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 5) \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
  - 6) Refer to girder(s) for truss to truss connections.
  - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 3=102.

**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.

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 14:17:00 2025 Page 1  
TCbAz Vw6-fwSOMK0 aHzMGeZ l4owymrKMTldp8SKK??fBvzNV1X



Weight: 14 lb      FT = 20%

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|             |       |            |     |     |                                                       |
|-------------|-------|------------|-----|-----|-------------------------------------------------------|
| Job         | Truss | Truss Type | Qty | Ply | LOT 0.0024 CAMPBELL RIDGE   81 PINON DRIVE ANGIER, NC |
| 25-3580-R01 | PB02  | Piggyback  | 1   | 1   | Job Reference (optional) <b># 58814</b>               |

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 14:17:00 2025 Page 1

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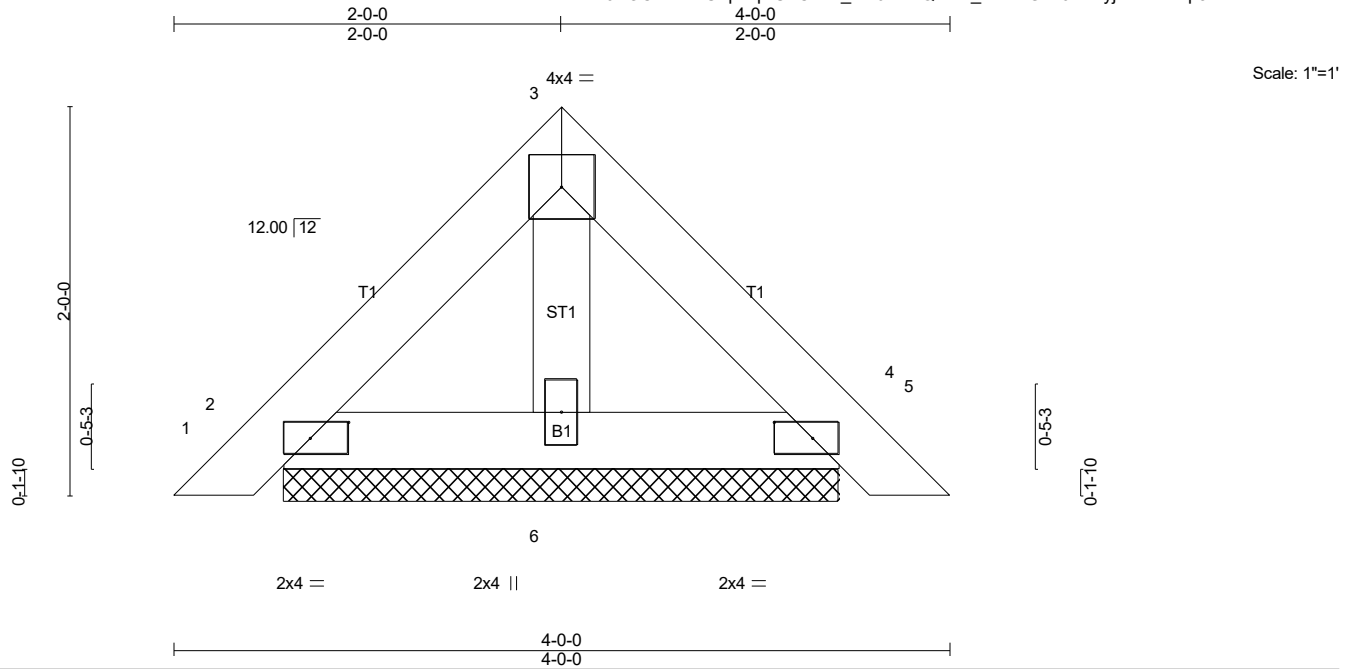


Plate Offsets (X,Y)-- [2:0-2-6,0-1-0], [4:0-2-6,0-1-0]

| LOADING (psf)    | SPACING-             | CSI.     | DEFL.         | in | (loc) | l/defl | L/d | PLATES        | GRIP     |
|------------------|----------------------|----------|---------------|----|-------|--------|-----|---------------|----------|
| TCLL (roof) 20.0 | 2-0-0                | TC 0.05  | Vert(LL) 0.00 | 4  | n/r   | 180    |     | MT20          | 244/190  |
| Snow (Pf) 20.0   | Plate Grip DOL 1.25  | BC 0.04  | Vert(CT) 0.00 | 4  | n/r   | 80     |     |               |          |
| TCDL 10.0        | Lumber DOL 1.25      | WB 0.01  | Horz(CT) 0.00 | 4  | n/a   | n/a    |     |               |          |
| BCLL 0.0 *       | Rep Stress Incr YES  | Matrix-P |               |    |       |        |     |               |          |
| BCDL 10.0        | Code IRC2021/TPI2014 |          |               |    |       |        |     |               |          |
|                  |                      |          |               |    |       |        |     | Weight: 14 lb | FT = 20% |

**LUMBER-**  
TOP CHORD 2x4 SP No.2  
BOT CHORD 2x4 SP No.3  
OTHERS 2x4 SP No.3

**BRACING-**  
TOP CHORD  
BOT CHORD

Structural wood sheathing directly applied or 4-0-0 oc purlins.  
Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

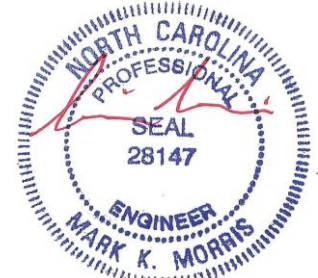
**REACTIONS.** (lb/size) 2=93/2-10-6 (min. 0-1-8), 4=93/2-10-6 (min. 0-1-8), 6=87/2-10-6 (min. 0-1-8)  
Max Horz 2=-35(LC 10)  
Max Uplift 2=-17(LC 12), 4=-21(LC 13)  
Max Grav 2=93(LC 1), 4=93(LC 1), 6=89(LC 5)

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

#### NOTES- (10)

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

**LOAD CASE(S)** Standard

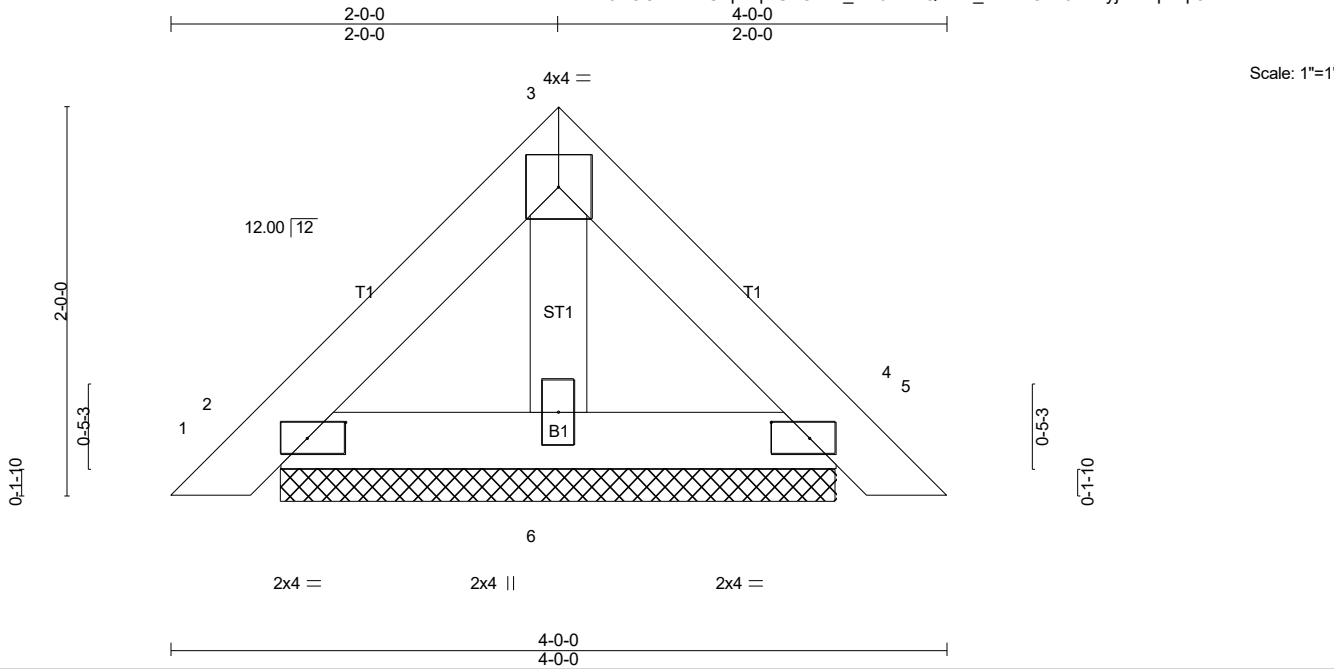


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|                          |       |            |     |     |                                                       |
|--------------------------|-------|------------|-----|-----|-------------------------------------------------------|
| Job                      | Truss | Truss Type | Qty | Ply | LOT 0.0024 CAMPBELL RIDGE   81 PINON DRIVE ANGIER, NC |
| 25-3580-R01              | PB03  | PIGGYBACK  | 1   | 3   |                                                       |
| Job Reference (optional) |       |            |     |     | # 58814                                               |

ID:R4JAOcFxLoAUFpwqRUTCbAz\_Vw6-fwSQMKo\_aHzMGeZJ4owymrkqTl?p8ZKK?2fBvzNV1X



-0-10-8

15-9-0

31-6-0

15-9-0

32-4-8

0-10-8

0-10-8

15-9-0

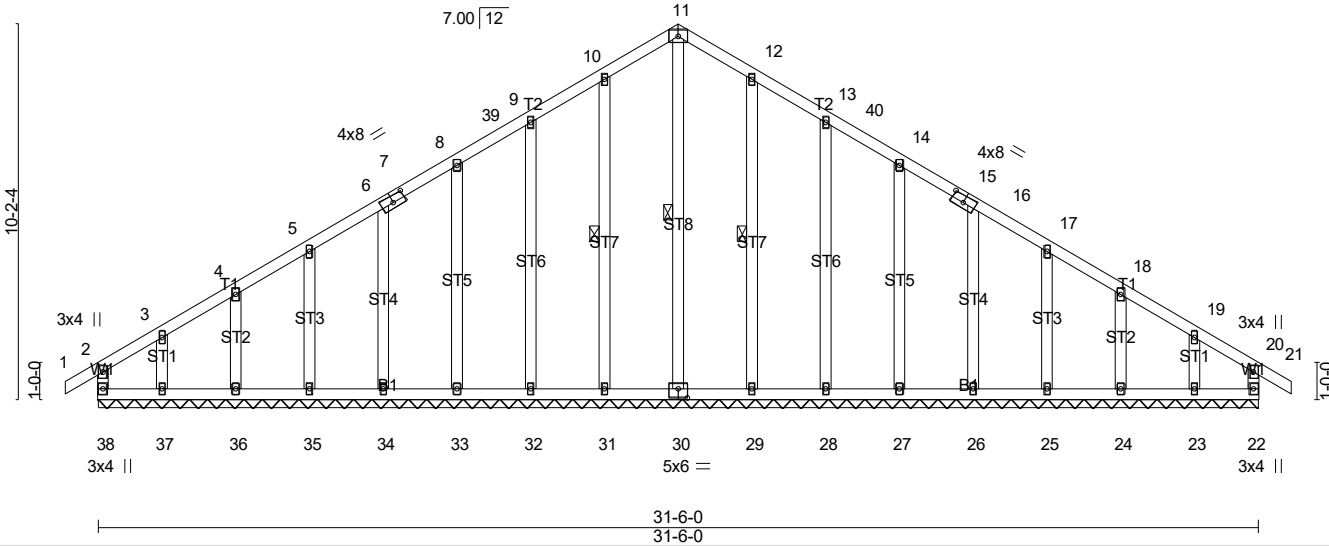
31-6-0

15-9-0

32-4-8

0-10-8

Scale = 1:62.5



| Plate Offsets (X,Y)-- [7:0-4-0,0-2-4], [15:0-4-0,0-2-4], [30:0-3-0,0-3-0] |       |                      |      |          |      |          |              |                         |         |
|---------------------------------------------------------------------------|-------|----------------------|------|----------|------|----------|--------------|-------------------------|---------|
| LOADING (psf)                                                             |       | SPACING-             |      | CSI.     |      | DEFL.    |              | PLATES                  |         |
| TCLL (roof)                                                               | 20.0  | 2-0-0                |      | TC       | 0.15 | in (loc) | l/defl       | MT20                    | GRIP    |
| Snow (Pf)                                                                 | 20.0  | Plate Grip DOL       | 1.25 | BC       | 0.12 | Vert(LL) | -0.00 21 n/r |                         | 244/190 |
| TCDL                                                                      | 10.0  | Lumber DOL           | 1.25 | WB       | 0.20 | Vert(CT) | -0.00 21 n/r |                         |         |
| BCLL                                                                      | 0.0 * | Rep Stress Incr      | YES  | Matrix-R |      | Horz(CT) | 0.01 22 n/a  |                         |         |
| BCDL                                                                      | 10.0  | Code IRC2021/TPI2014 |      |          |      |          |              |                         |         |
|                                                                           |       |                      |      |          |      |          |              | Weight: 224 lb FT = 20% |         |

| LUMBER-   |             | BRACING-                                                                                                                                           |                                                                                       |
|-----------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| TOP CHORD | 2x4 SP No.2 | TOP CHORD                                                                                                                                          | Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. |
| BOT CHORD | 2x4 SP No.3 | BOT CHORD                                                                                                                                          | Rigid ceiling directly applied or 6-0-0 oc bracing.                                   |
| WEBS      | 2x4 SP No.3 | WEBS                                                                                                                                               | 1 Row at midpt 11-30, 10-31, 12-29                                                    |
| OTHERS    | 2x4 SP No.3 |                                                                                                                                                    |                                                                                       |
|           |             | MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide. |                                                                                       |

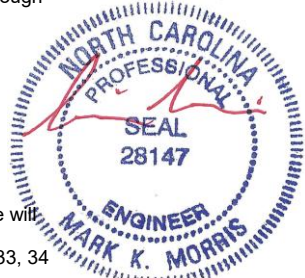
**REACTIONS.** All bearings 31-6-0.  
(lb) - Max Horz 38=-189(LC 12)  
Max Uplift All uplift 100 lb or less at joint(s) 38, 22, 31, 32, 33, 34, 35, 36, 29, 28, 27, 26, 25, 24, 23 except 37=-116(LC 14)  
Max Grav All reactions 250 lb or less at joint(s) 38, 22, 35, 36, 37, 25, 24, 23 except 30=298(LC 27), 31=296(LC 5), 32=273(LC 5), 33=251(LC 24), 34=258(LC 24), 29=296(LC 6), 28=273(LC 6), 27=251(LC 25), 26=258(LC 25)

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

- NOTES-** (14)
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) -0-10-8 to 3-9-0, Exterior(2N) 3-9-0 to 10-11-6, Corner(3R) 10-11-6 to 20-6-10, Exterior(2N) 20-6-10 to 27-6-14, Corner(3E) 27-6-14 to 32-4-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
  - TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
  - Unbalanced snow loads have been considered for this design.
  - This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
  - All plates are 2x4 MT20 unless otherwise indicated.
  - Gable requires continuous bottom chord bearing.
  - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
  - Gable studs spaced at 2-0-0 oc.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 38, 22, 31, 32, 33, 34, 35, 36, 29, 28, 27, 26, 25, 24, 23 except (jt=lb) 37=116.

**LOAD CASE(S)** Standard

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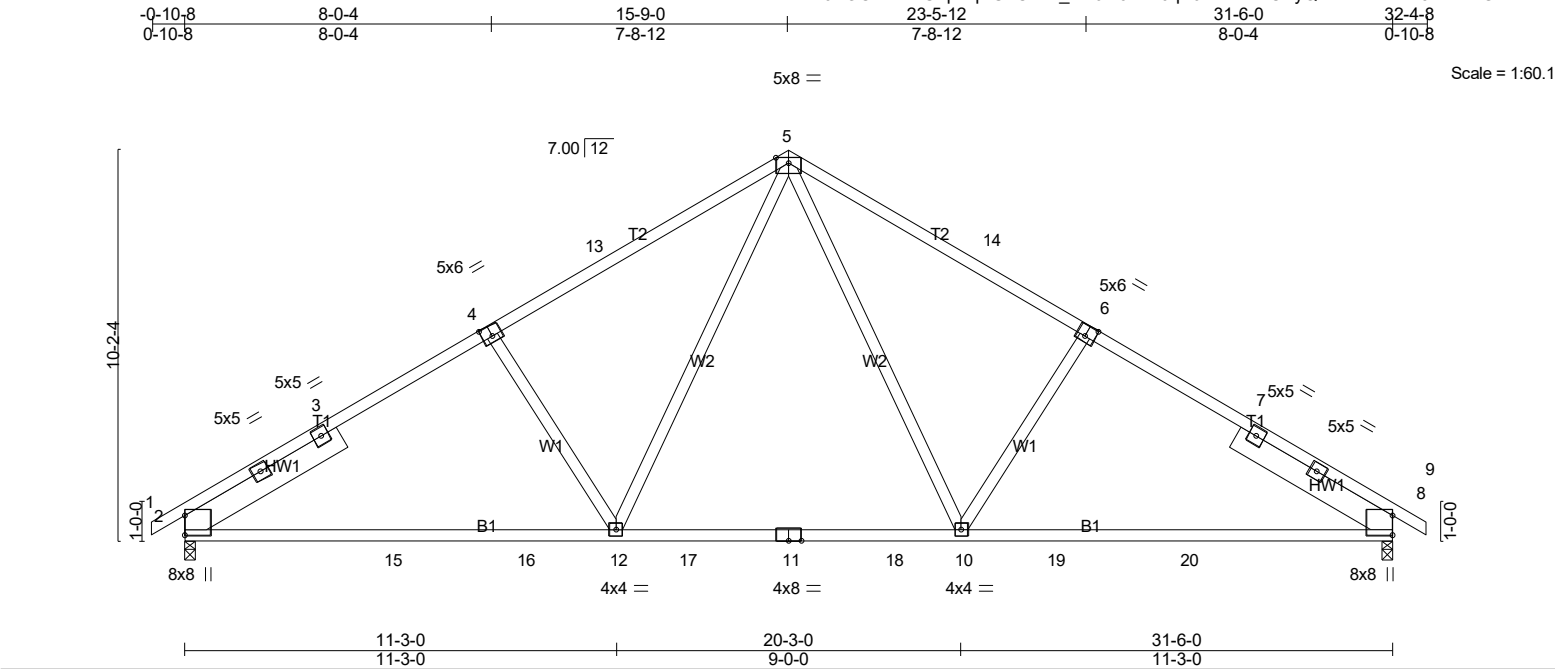


4/24/2025

|                          |       |            |     |     |                                                       |
|--------------------------|-------|------------|-----|-----|-------------------------------------------------------|
| Job                      | Truss | Truss Type | Qty | Ply | LOT 0.0024 CAMPBELL RIDGE   81 PINON DRIVE ANGIER, NC |
| 25-3580-R01              | R02   | Common     | 2   | 1   |                                                       |
| Job Reference (optional) |       |            |     |     | # 58814                                               |

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ID:R4JAOCFxLoAUFpwqRUTCbAz\_Vw6-bJaAn0qE6uD4VxihCDyQoBxTlHDuHz3dniXmGozNV1V



| Plate Offsets (X,Y)-- |       | [4:0-3-0,0-3-4], [6:0-3-0,0-3-4] |                     |
|-----------------------|-------|----------------------------------|---------------------|
| LOADING (psf)         |       | SPACING-                         | 2-0-0               |
| TCLL (roof)           | 20.0  | Plate Grip DOL                   | 1.25                |
| Snow (Pf)             | 20.0  | Lumber DOL                       | 1.25                |
| TCDL                  | 10.0  | Rep Stress Incr                  | YES                 |
| BCLL                  | 0.0 * | Code IRC2021/TPI2014             |                     |
| BCDL                  | 10.0  |                                  |                     |
|                       |       | CSI.                             |                     |
|                       |       | TC                               | 0.82                |
|                       |       | BC                               | 0.95                |
|                       |       | WB                               | 0.32                |
|                       |       | Matrix-SH                        |                     |
|                       |       | DEFL.                            |                     |
|                       |       | Vert(LL)                         | -0.28 8-10 >999 240 |
|                       |       | Vert(CT)                         | -0.53 8-10 >715 180 |
|                       |       | Horz(CT)                         | 0.07 8 n/a n/a      |
|                       |       | PLATES                           | GRIP                |
|                       |       | MT20                             | 244/190             |
|                       |       | Weight: 183 lb                   | FT = 20%            |

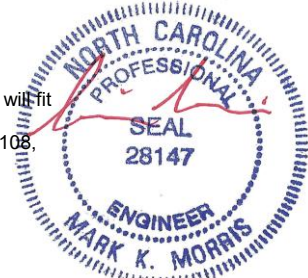
|           |                                                 |           |                                                                                                                                                    |
|-----------|-------------------------------------------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| LUMBER-   |                                                 | BRACING-  |                                                                                                                                                    |
| TOP CHORD | 2x4 SP SS *Except*<br>T1: 2x4 SP No.2           | TOP CHORD | Structural wood sheathing directly applied or 2-2-0 oc purlins.                                                                                    |
| BOT CHORD | 2x4 SP No.1                                     | BOT CHORD | Rigid ceiling directly applied or 2-2-0 oc bracing.                                                                                                |
| WEBS      | 2x4 SP No.3                                     |           | MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide. |
| SLIDER    | Left 2x8 SP No.2 4-9-1, Right 2x8 SP No.2 4-9-1 |           |                                                                                                                                                    |

**REACTIONS.** (lb/size) 2=1313/0-3-8 (min. 0-1-12), 8=1313/0-3-8 (min. 0-1-12)  
Max Horz 2=192(LC 11)  
Max Uplift 2=108(LC 14), 8=108(LC 15)  
Max Grav 2=1478(LC 24), 8=1478(LC 25)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-3=-2051/146, 3-4=-1904/185, 4-13=-1839/196, 5-13=-1736/220, 5-14=-1736/220,  
6-14=-1839/196, 6-7=-1904/185, 7-8=-2051/146  
BOT CHORD 2-15=-167/1774, 15-16=-167/1774, 12-16=-167/1774, 12-17=-7/1243, 11-17=-7/1243,  
11-18=-7/1243, 10-18=-7/1243, 10-19=-74/1632, 19-20=-74/1632, 8-20=-74/1632  
WEBS 5-10=-103/811, 6-10=-418/223, 5-12=-103/811, 4-12=-418/223

- NOTES-** (9)
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 3-11-2, Interior(1) 3-11-2 to 10-11-6, Exterior(2R) 10-11-6 to 20-6-10, Interior(1) 20-6-10 to 27-6-14, Exterior(2E) 27-6-14 to 32-4-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
  - Unbalanced snow loads have been considered for this design.
  - This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=108, 8=108.

**LOAD CASE(S)** Standard



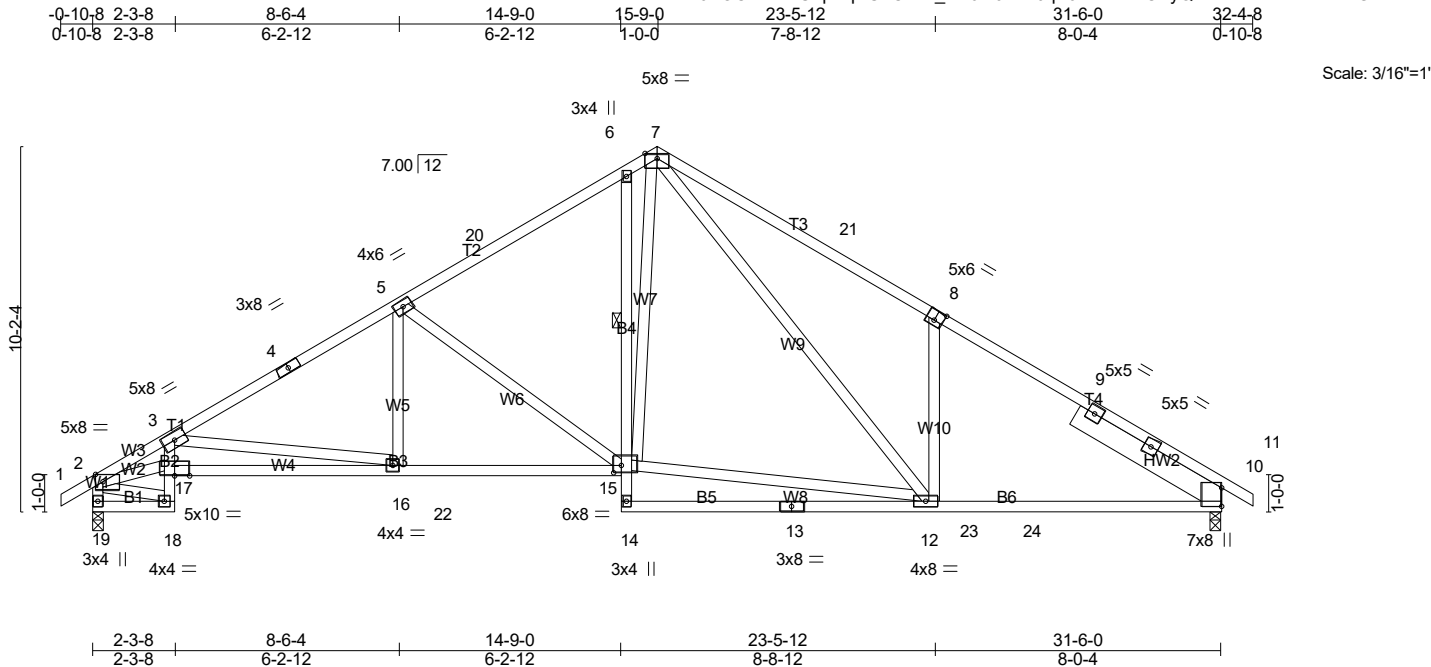
4/24/2025

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|                          |       |              |     |     |                                                       |
|--------------------------|-------|--------------|-----|-----|-------------------------------------------------------|
| Job                      | Truss | Truss Type   | Qty | Ply | LOT 0.0024 CAMPBELL RIDGE   81 PINON DRIVE ANGIER, NC |
| 25-3580-R01              | R02A  | Roof Special | 5   | 1   |                                                       |
| Job Reference (optional) |       |              |     |     | # 58814                                               |

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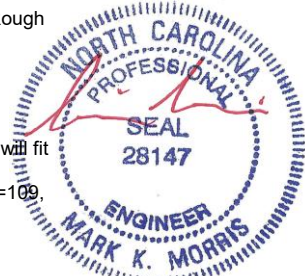
|                                                                          |       |                      |       |           |                |          |             |        |     |
|--------------------------------------------------------------------------|-------|----------------------|-------|-----------|----------------|----------|-------------|--------|-----|
| Plate Offsets (X,Y)-- [2:0-2-8,0-2-8], [8:0-3-0,0-3-4], [15:0-2-8,0-2-8] |       |                      |       |           |                |          |             |        |     |
| LOADING (psf)                                                            |       | SPACING-             | 2-0-0 | CSI.      |                | DEFL.    | in (loc)    | l/defl | L/d |
| TCLL (roof)                                                              | 20.0  | Plate Grip DOL       | 1.25  | TC        | 0.82           | Vert(LL) | -0.16 12-14 | >999   | 240 |
| Snow (Pf)                                                                | 20.0  | Lumber DOL           | 1.25  | BC        | 0.86           | Vert(CT) | -0.36 12-14 | >999   | 180 |
| TCDL                                                                     | 10.0  | Rep Stress Incr      | YES   | WB        | 0.86           | Horz(CT) | 0.16 10     | n/a    | n/a |
| BCLL                                                                     | 0.0 * | Code IRC2021/TPI2014 |       | Matrix-SH |                |          |             |        |     |
| BCDL                                                                     | 10.0  |                      |       |           |                |          |             |        |     |
|                                                                          |       |                      |       |           | Weight: 219 lb |          | FT = 20%    |        |     |

|                |                                            |                 |                                                                                       |
|----------------|--------------------------------------------|-----------------|---------------------------------------------------------------------------------------|
| <b>LUMBER-</b> |                                            | <b>BRACING-</b> |                                                                                       |
| TOP CHORD      | 2x4 SP No.2 *Except*<br>T3: 2x4 SP SS      | TOP CHORD       | Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals. |
| BOT CHORD      | 2x4 SP No.2 *Except*<br>B2,B4: 2x4 SP No.3 | BOT CHORD       | Rigid ceiling directly applied or 6-0-0 oc bracing. Except:<br>1 Row at midpt 6-15    |
| WEBS           | 2x4 SP No.3                                |                 |                                                                                       |
| SLIDER         | Right 2x8 SP No.2 4-8-15                   |                 |                                                                                       |

|                                                                                                                                                         |                                                                                                                                                                                 |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| <b>REACTIONS.</b> (lb/size) 19=1316/0-3-8 (min. 0-1-9), 10=1306/0-3-8 (min. 0-1-9)<br>Max Horz 19=193(LC 13)<br>Max Uplift 19=109(LC 14), 10=107(LC 15) |                                                                                                                                                                                 |  |  |
| <b>FORCES.</b> (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.                                                             |                                                                                                                                                                                 |  |  |
| TOP CHORD                                                                                                                                               | 2-3=-2637/304, 3-4=-2075/159, 4-5=-1975/176, 5-20=-1475/170, 6-20=-1370/199,<br>6-7=-1353/246, 7-21=-1687/301, 8-21=-1791/277, 8-9=-1663/162, 9-10=-1834/136,<br>2-19=-1313/129 |  |  |
| BOT CHORD                                                                                                                                               | 3-17=-27/272, 16-17=-428/2721, 16-22=-158/1798, 15-22=-158/1798, 6-15=-364/158,<br>12-23=-59/1451, 23-24=-59/1451, 10-24=-59/1451                                               |  |  |
| WEBS                                                                                                                                                    | 3-16=-933/273, 5-16=0/388, 5-15=-734/170, 12-15=-11/1034, 7-15=-175/1022,<br>7-12=-235/707, 8-12=-439/258, 2-17=-302/2117, 2-18=-126/435                                        |  |  |

- NOTES-** (9)
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCCL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-10-8 to 3-11-2, Interior(1) 3-11-2 to 10-11-6, Exterior(2R) 10-11-6 to 20-6-10, Interior(1) 20-6-10 to 27-6-14, Exterior(2E) 27-6-14 to 32-4-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - TCCL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
  - Unbalanced snow loads have been considered for this design.
  - This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 19=109, 10=107.

**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-R01              | R03   | Common     | 3   | 1   |                                                       |
| Job Reference (optional) |       |            |     |     | # 58814                                               |

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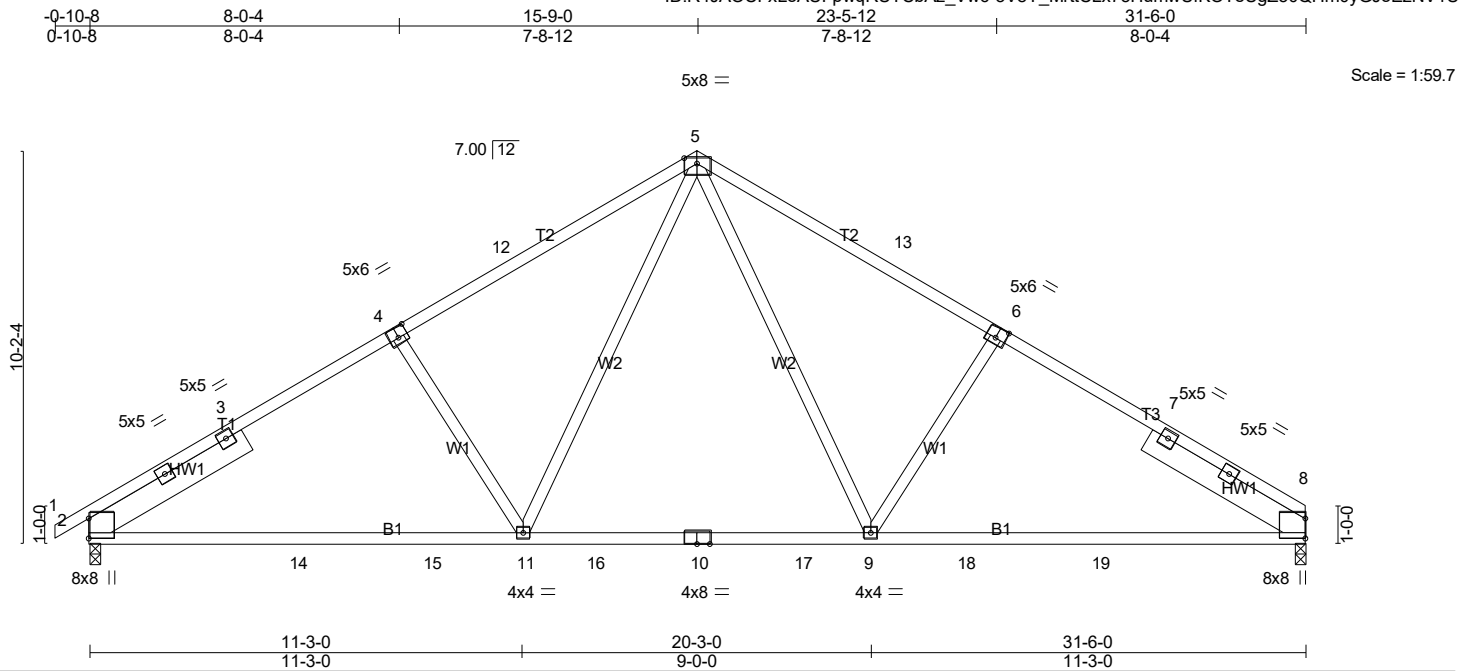


Plate Offsets (X,Y)-- [4:0-3-0,0-3-4], [6:0-3-0,0-3-4]

| LOADING (psf)    | SPACING-             | CSI.      | DEFL.          | in  | (loc) | l/defl | L/d | PLATES         | GRIP     |
|------------------|----------------------|-----------|----------------|-----|-------|--------|-----|----------------|----------|
| TCLL (roof) 20.0 | 2-0-0                | TC 0.82   | Vert(LL) -0.28 | 8-9 | >999  | 240    |     | MT20           | 244/190  |
| Snow (Pf) 20.0   | Plate Grip DOL 1.25  | BC 0.95   | Vert(CT) -0.53 | 8-9 | >714  | 180    |     |                |          |
| TCDL 10.0        | Lumber DOL 1.25      | WB 0.33   | Horz(CT) 0.07  | 8   | n/a   | n/a    |     |                |          |
| BCLL 0.0 *       | Rep Stress Incr YES  | Matrix-SH |                |     |       |        |     |                |          |
| BCDL 10.0        | Code IRC2021/TPI2014 |           |                |     |       |        |     |                |          |
|                  |                      |           |                |     |       |        |     | Weight: 182 lb | FT = 20% |

#### LUMBER-

TOP CHORD 2x4 SP SS \*Except\*  
T1,T3: 2x4 SP No.2  
BOT CHORD 2x4 SP No.1  
WEBS 2x4 SP No.3  
SLIDER Left 2x8 SP No.2 4-9-1, Right 2x8 SP No.2 4-9-1

#### BRACING-

TOP CHORD  
BOT CHORD

Structural wood sheathing directly applied or 2-2-0 oc purlins.  
Rigid ceiling directly applied or 2-2-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS.** (lb/size) 2=1313/0-3-8 (min. 0-1-12), 8=1259/0-3-8 (min. 0-1-11)  
Max Horz 2=-194(LC 10)  
Max Uplift 2=-108(LC 14), 8=-93(LC 15)  
Max Grav 2=1478(LC 24), 8=1429(LC 25)

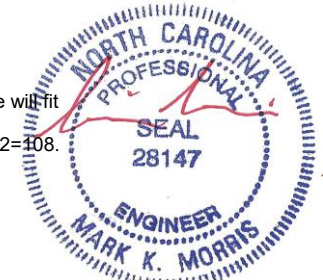
**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-3=-2052/146, 3-4=-1905/186, 4-12=-1840/197, 5-12=-1737/221, 5-13=-1739/222,  
6-13=-1842/198, 6-7=-1906/187, 7-8=-2055/147  
BOT CHORD 2-14=-164/1776, 14-15=-164/1776, 11-15=-164/1776, 11-16=-5/1245, 10-16=-5/1245,  
10-17=-5/1245, 9-17=-5/1245, 9-18=-69/1634, 18-19=-69/1634, 8-19=-69/1634  
WEBS 5-9=-104/814, 6-9=-421/223, 5-11=-103/811, 4-11=-418/223

#### NOTES- (9)

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 3-11-2, Interior(1) 3-11-2 to 10-11-6, Exterior(2R) 10-11-6 to 20-6-10, Interior(1) 20-6-10 to 26-8-6, Exterior(2E) 26-8-6 to 31-6-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8 except (jt=lb) 2=108.

**LOAD CASE(S)** Standard



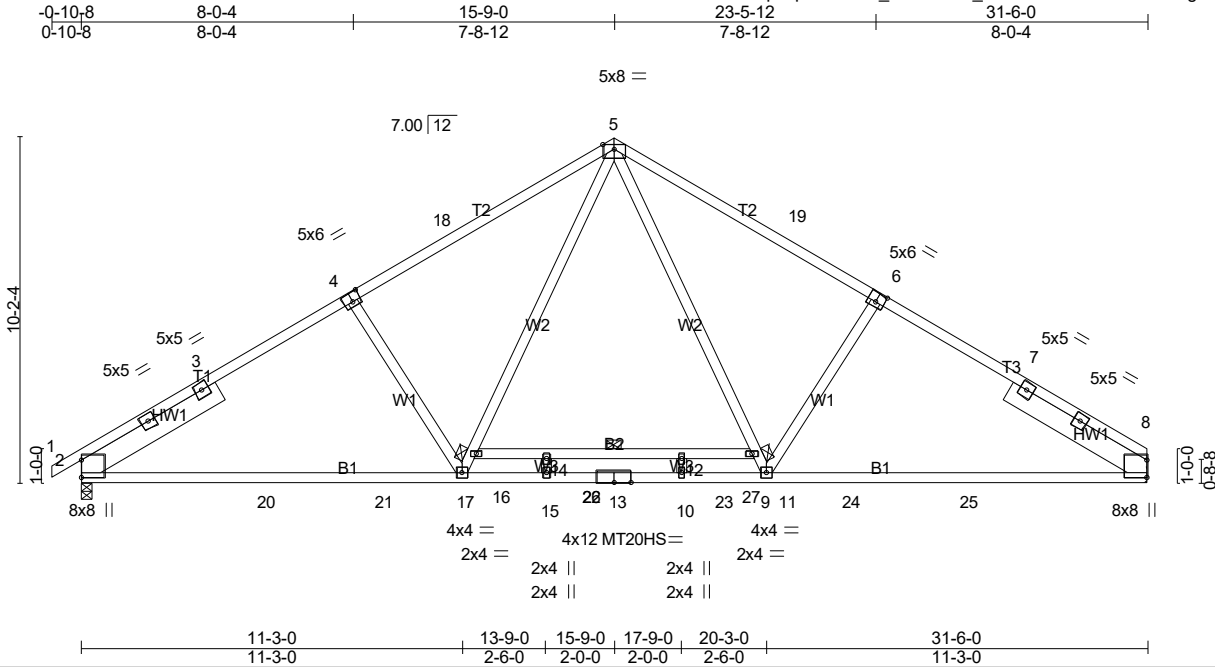
4/24/2025

**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-R01              | R04   | Common     | 5   | 1   |                                                       |
| Job Reference (optional) |       |            |     |     | # 58814                                               |

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Scale = 1:68.1

| Plate Offsets (X,Y)-- [4:0-3:0,0-3:4], [6:0-3:0,0-3:4] |       |                      |      |             |      |              |             |                |          |
|--------------------------------------------------------|-------|----------------------|------|-------------|------|--------------|-------------|----------------|----------|
| <b>LOADING</b> (psf)                                   |       | <b>SPACING-</b>      |      | <b>CSI.</b> |      | <b>DEFL.</b> |             | <b>PLATES</b>  |          |
| TCLL (roof)                                            | 20.0  | 2-0-0                |      | TC          | 0.94 | in (loc)     | l/defl      | MT20           | GRIP     |
| Snow (Pf)                                              | 20.0  | Plate Grip DOL       | 1.25 | BC          | 0.86 | Vert(LL)     | -0.41 10-15 | >923           | 244/190  |
| TCDL                                                   | 10.0  | Lumber DOL           | 1.25 | WB          | 0.50 | Vert(CT)     | -0.60 10-15 | >631           | 187/143  |
| BCLL                                                   | 0.0 * | Rep Stress Incr      | YES  | Matrix-SH   |      | Horz(CT)     | 0.07 8      | n/a            |          |
| BCDL                                                   | 10.0  | Code IRC2021/TPI2014 |      |             |      |              |             |                |          |
|                                                        |       |                      |      |             |      |              |             | Weight: 195 lb | FT = 20% |

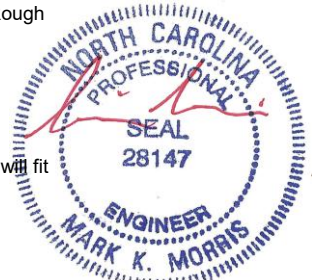
|                |                                                 |                                                                                                                                                    |                                                                                         |
|----------------|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| <b>LUMBER-</b> |                                                 | <b>BRACING-</b>                                                                                                                                    |                                                                                         |
| TOP CHORD      | 2x4 SP SS *Except*<br>T1,T3: 2x4 SP No.2        | TOP CHORD                                                                                                                                          | Structural wood sheathing directly applied.                                             |
| BOT CHORD      | 2x4 SP SS *Except*<br>B2: 2x4 SP No.2           | BOT CHORD                                                                                                                                          | Rigid ceiling directly applied or 10-0-0 oc bracing. Except:<br>6-0-0 oc bracing: 11-16 |
| WEBS           | 2x4 SP No.3                                     | MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide. |                                                                                         |
| SLIDER         | Left 2x8 SP No.2 4-9-1, Right 2x8 SP No.2 4-9-1 |                                                                                                                                                    |                                                                                         |

**REACTIONS.** (lb/size) 2=1398/0-3-8 (min. 0-1-15), 8=1344/Mechanical  
Max Horz 2=-194(LC 10)  
Max Uplift 2=-65(LC 14), 8=-51(LC 15)  
Max Grav 2=1654(LC 24), 8=1605(LC 25)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-3=-2386/68, 3-4=-2278/107, 4-18=-2166/118, 5-18=-2067/142, 5-19=-2068/143,  
6-19=-2168/119, 6-7=-2280/108, 7-8=-2389/85  
BOT CHORD 2-20=-100/2043, 20-21=-100/2043, 17-21=-100/2043, 17-22=0/1532, 15-22=0/1532,  
13-15=0/1532, 10-13=0/1532, 10-23=0/1532, 9-23=0/1532, 9-24=-5/1902, 24-25=-5/1902,  
8-25=-5/1902  
WEBS 5-11=-62/991, 9-11=-82/892, 6-9=-405/231, 16-17=-81/889, 5-16=-61/988, 4-17=-403/230

- NOTES-** (11)
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 3-11-2, Interior(1) 3-11-2 to 10-11-6, Exterior(2R) 10-11-6 to 20-6-10, Interior(1) 20-6-10 to 26-8-6, Exterior(2E) 26-8-6 to 31-6-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
  - Unbalanced snow loads have been considered for this design.
  - This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
  - All plates are MT20 plates unless otherwise indicated.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
  - Refer to girder(s) for truss to truss connections.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8.

**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.

4/24/2025

|             |       |            |     |     |                                                       |
|-------------|-------|------------|-----|-----|-------------------------------------------------------|
| Job         | Truss | Truss Type | Qty | Ply | LOT 0.0024 CAMPBELL RIDGE   81 PINON DRIVE ANGIER, NC |
| 25-3580-R01 | R05   | Half Hip   | 1   | 1   | Job Reference (optional) # 58814                      |

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 14:17:04 2025 Page 2  
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LOAD CASE(S) Standard

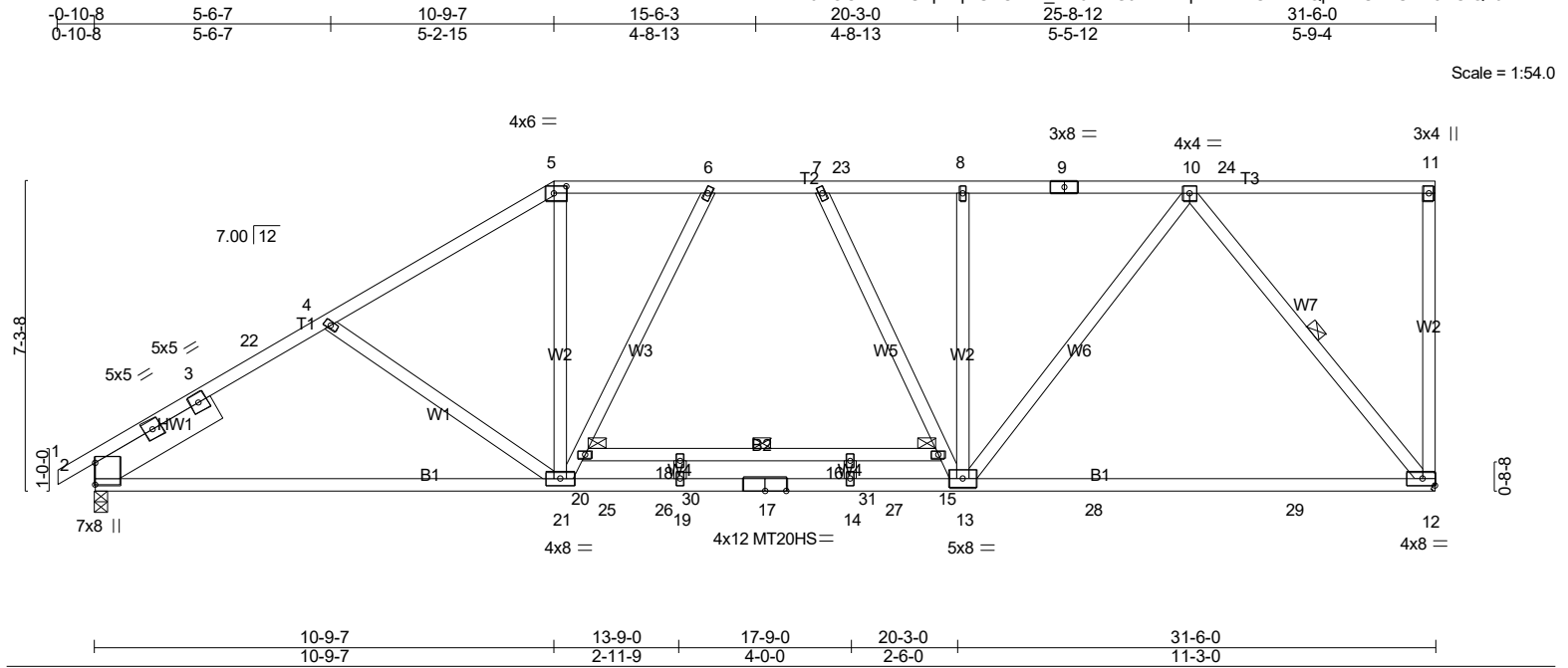


4/24/2025

**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-R01 | R06   | Half Hip   | 1   | 1   | <div> <div>Job Reference (optional)</div> <div># 58814</div> </div> |

8.630 s Jul 12 2024 Mitek Industries, Inc. Thu Apr 24 14:17:05 2025 Page 1  
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| Plate Offsets (X,Y)-- [5:0-3-8,0-2-0] |       |                       |      |             |      |                                  |                      |                |             |
|---------------------------------------|-------|-----------------------|------|-------------|------|----------------------------------|----------------------|----------------|-------------|
| <b>LOADING</b> (psf)                  |       | <b>SPACING-</b> 2-0-0 |      | <b>CSI.</b> |      | <b>DEFL.</b> in (loc) l/defl L/d |                      | <b>PLATES</b>  | <b>GRIP</b> |
| TCLL (roof)                           | 20.0  | Plate Grip DOL        | 1.25 | TC          | 0.71 | Vert(LL)                         | -0.49 12-13 >773 240 | MT20           | 244/190     |
| Snow (Pf)                             | 20.0  | Lumber DOL            | 1.25 | BC          | 0.96 | Vert(CT)                         | -0.77 12-13 >490 180 | MT20HS         | 187/143     |
| TCDL                                  | 10.0  | Rep Stress Incr       | YES  | WB          | 0.92 | Horz(CT)                         | 0.07 12 n/a n/a      |                |             |
| BCLL                                  | 0.0 * | Code IRC2021/TPI2014  |      | Matrix-SH   |      |                                  |                      | Weight: 209 lb | FT = 20%    |
| BCDL                                  | 10.0  |                       |      |             |      |                                  |                      |                |             |

**LUMBER-**

TOP CHORD 2x4 SP No.2 \*Except\*  
T1: 2x4 SP SS  
BOT CHORD 2x4 SP SS \*Except\*  
B2: 2x4 SP No.2  
WEBS 2x4 SP No.3  
SLIDER Left 2x8 SP No.2 3-3-12

**BRACING-**

|           |                                                                                       |       |
|-----------|---------------------------------------------------------------------------------------|-------|
| TOP CHORD | Structural wood sheathing directly applied or 3-1-2 oc purlins, except end verticals. |       |
| BOT CHORD | Rigid ceiling directly applied or 7-9-12 oc bracing. Except: 6-0-0 oc bracing: 15-20  |       |
| WEBS      | 1 Row at midpt                                                                        | 10-12 |

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS.**

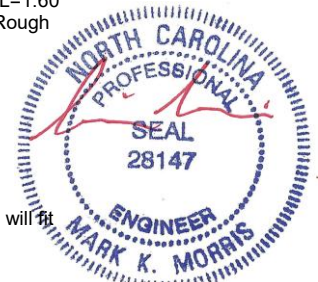
(lb/size) 12=1340/Mechanical, 2=1394/0-3-8 (min. 0-1-15)  
 Max Horz 2=209(LC 14)  
 Max Uplift 12=-111(LC 11), 2=-23(LC 14)  
 Max Grav 12=1998(LC 37), 2=1667(LC 38)

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

|           |                                                                                                                                                                                |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TOP CHORD | 2-3=-2380/44, 8-22=-2257/60, 4-22=-2238/71, 4-5=-2248/47, 5-6=-1945/66, 6-7=-2187/91, 7-23=-2192/69, 3-23=-2192/69, 8-9=-2192/69, 9-10=-2192/69, 11-12=-250/48                 |
| BOT CHORD | 2-21=-179/1850, 21-25=-84/2219, 25-26=-84/2219, 19-26=-84/2219, 17-19=-84/2219, 14-17=-84/2219, 14-27=-84/2219, 13-27=-84/2219, 13-28=-85/1337, 28-29=-85/1337, 12-29=-85/1337 |
| WEBS      | 4-21=-396/194, 5-21=0/912, 8-13=-516/117, 10-13=0/1411, 10-12=-2088/139, 7-15=-297/139, 13-15=-327/120, 20-21=-671/143, 6-20=-560/165                                          |

**NOTES- (12)**

- 1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TC DL=5.0psf; BC DL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 3-11-2, Exterior(2R) 3-11-2 to 17-6-14, Interior(1) 17-6-14 to 26-6-10, Exterior(2E) 26-6-10 to 31-4-4 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- 5) Provide adequate drainage to prevent water ponding.
- 6) All plates are MT20 plates unless otherwise indicated.
- 7) All plates are 2x4 MT20 unless otherwise indicated.
- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 9) \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BC DL = 10.0psf.
- 10) Refer to girder(s) for truss to truss connections.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 12=111.



4/24/2025

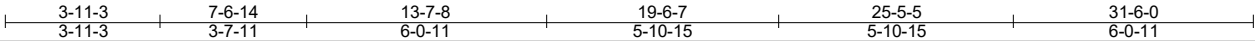
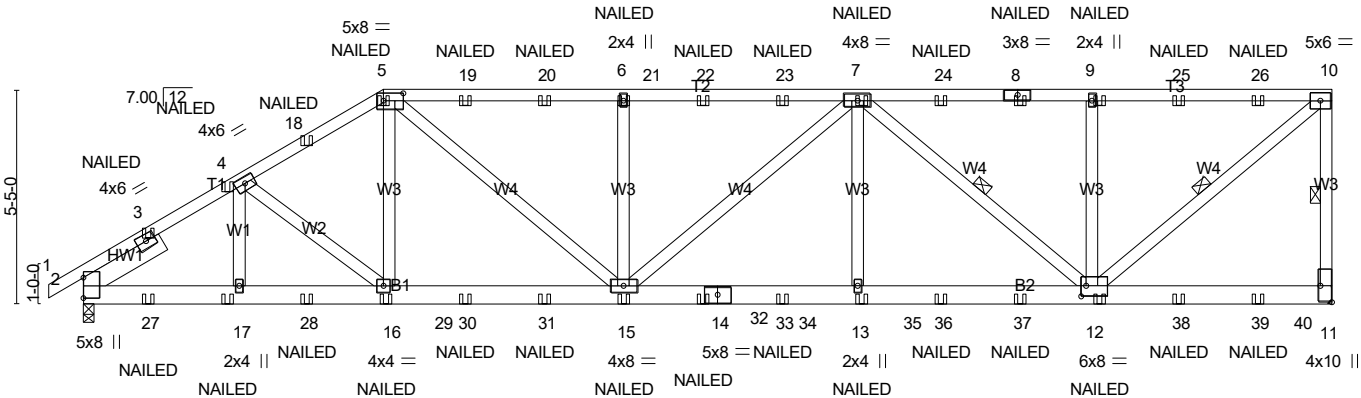
**LOAD CASE(S):** Standard parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – 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-R01 | R07   | Half Hip Girder | 1   | 1   | Job Reference (optional) # 58814                      |

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Scale = 1:58.1



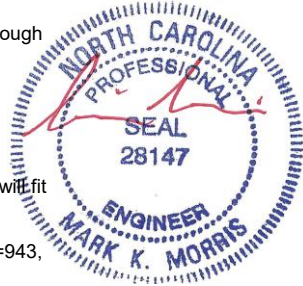
| Plate Offsets (X,Y)-- [5:0-6-0,0-2-4], [11:Edge,0-3-8], [12:0-1-8,0-3-4] |       |                      |       |            |      |              |             |                         |         |
|--------------------------------------------------------------------------|-------|----------------------|-------|------------|------|--------------|-------------|-------------------------|---------|
| <b>LOADING</b> (psf)                                                     |       | <b>SPACING</b>       |       | <b>CSI</b> |      | <b>DEFL.</b> |             | <b>PLATES</b>           |         |
| TCLL (roof)                                                              | 20.0  | Plate Grip DOL       | 2-0-0 | TC         | 1.00 | in (loc)     | l/defl      | MT20                    | GRIP    |
| Snow (Pf)                                                                | 20.0  | Lumber DOL           | 1.25  | BC         | 0.86 | Vert(LL)     | 0.18 13-15  |                         | 244/190 |
| TCDL                                                                     | 10.0  | Rep Stress Incr      | NO    | WB         | 0.69 | Vert(CT)     | -0.28 13-15 |                         |         |
| BCLL                                                                     | 0.0 * | Code IRC2021/TPI2014 |       | Matrix-SH  |      | Horz(CT)     | 0.07 11     |                         |         |
| BCDL                                                                     | 10.0  |                      |       |            |      |              |             |                         |         |
|                                                                          |       |                      |       |            |      |              |             | Weight: 218 lb FT = 20% |         |

|                |                                         |                                                                                                                                                    |                                                                   |
|----------------|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|
| <b>LUMBER-</b> |                                         | <b>BRACING-</b>                                                                                                                                    |                                                                   |
| TOP CHORD      | 2x4 SP No.2 *Except*<br>T2: 2x4 SP SS   | TOP CHORD                                                                                                                                          | Structural wood sheathing directly applied, except end verticals. |
| BOT CHORD      | 2x6 SP No.2                             | BOT CHORD                                                                                                                                          | Rigid ceiling directly applied or 6-2-0 oc bracing.               |
| WEBS           | 2x4 SP No.3 *Except*<br>W4: 2x4 SP No.2 | WEBS                                                                                                                                               | 1 Row at midpt 10-11, 7-12, 10-12                                 |
| SLIDER         | Left 2x6 SP No.2 2-3-8                  |                                                                                                                                                    |                                                                   |
|                |                                         | MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide. |                                                                   |

**REACTIONS.** (lb/size) 11=1733/Mechanical, 2=1811/0-3-8 (min. 0-2-5)  
Max Horz 2=151(LC 12)  
Max Uplift 11=943(LC 9), 2=721(LC 12)  
Max Grav 11=2247(LC 72), 2=1978(LC 34)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
**TOP CHORD** 2-3=-2845/1127, 3-4=-2776/1126, 4-18=-2818/1197, 5-18=-2773/1213, 5-19=-3410/1498, 19-20=-3410/1498, 6-20=-3410/1498, 6-21=-3410/1498, 21-22=-3410/1498, 22-23=-3410/1498, 7-23=-3410/1498, 7-24=-2207/965, 8-24=-2207/965, 8-9=-2207/965, 9-25=-2207/965, 25-26=-2207/965, 10-26=-2207/965, 10-11=-2114/937  
**BOT CHORD** 2-27=-997/2289, 17-27=-997/2289, 17-28=-997/2289, 16-28=-997/2289, 16-29=-1072/2438, 29-30=-1072/2438, 30-31=-1072/2438, 15-31=-1072/2438, 15-32=-1452/3346, 14-32=-1452/3346, 14-33=-1452/3346, 33-34=-1452/3346, 13-34=-1452/3346, 13-35=-1452/3346, 35-36=-1452/3346, 36-37=-1452/3346, 12-37=-1452/3346  
**WEBS** 4-16=-252/299, 5-16=-40/368, 5-15=-581/1283, 6-15=-718/393, 7-13=-25/328, 7-12=-1498/640, 9-12=-720/391, 10-12=-1249/2861

- NOTES-** (12)
- 1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
  - 2) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
  - 3) Unbalanced snow loads have been considered for this design.
  - 4) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
  - 5) Provide adequate drainage to prevent water ponding.
  - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 7) \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
  - 8) Refer to girder(s) for truss to truss connections.
  - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=943, 2=721.
  - 10) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidelines.
  - 11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).



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-R01 | R07   | Half Hip Girder | 1   | 1   | Job Reference (optional) # 58814                      |

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 14:17:06 2025 Page 2  
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LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-5=-60, 5-10=-60, 2-11=-20

Concentrated Loads (lb)

Vert: 5=-40(B) 8=-40(B) 4=-8(B) 17=-55(B) 16=-23(B) 15=-23(B) 6=-40(B) 13=-23(B) 7=-40(B) 9=-40(B) 12=-23(B) 3=-41(B) 19=-40(B) 20=-40(B) 22=-40(B) 23=-40(B) 24=-40(B) 25=-40(B) 26=-40(B) 27=-27(B) 28=-90(B) 30=-23(B) 31=-23(B) 32=-23(B) 33=-23(B) 36=-23(B) 37=-23(B) 38=-23(B) 39=-23(B)

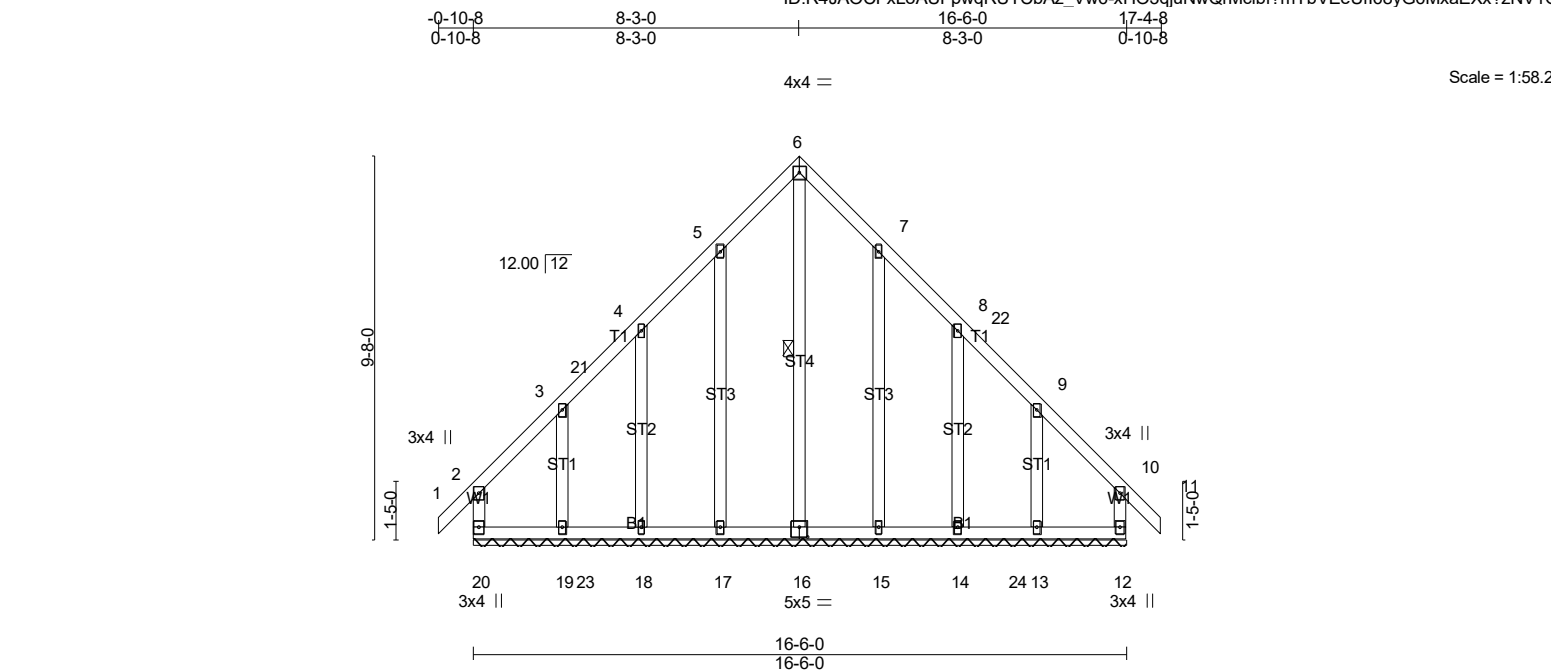


4/24/2025

**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-R01 | R08   | Common Supported Gable | 1   | 1   | Job Reference (optional) # 58814                      |

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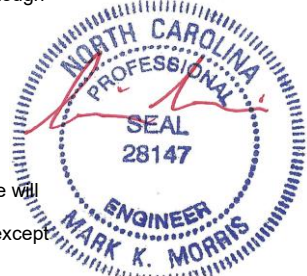
| Plate Offsets (X,Y)-- [16:0-2-8,0-3-0] |       |                      |      |          |      |          |              |                         |         |
|----------------------------------------|-------|----------------------|------|----------|------|----------|--------------|-------------------------|---------|
| LOADING (psf)                          |       | SPACING-             |      | CSI.     |      | DEFL.    |              | PLATES                  |         |
| TCLL (roof)                            | 20.0  | 2-0-0                |      | TC       | 0.17 | in (loc) | l/defl       | MT20                    | GRIP    |
| Snow (Pf)                              | 20.0  | Plate Grip DOL       | 1.25 | BC       | 0.17 | Vert(LL) | -0.00 11 n/r |                         | 244/190 |
| TCDL                                   | 10.0  | Lumber DOL           | 1.25 | WB       | 0.21 | Vert(CT) | -0.00 11 n/r |                         |         |
| BCLL                                   | 0.0 * | Rep Stress Incr      | YES  | Matrix-R |      | Horz(CT) | 0.00 12 n/a  |                         |         |
| BCDL                                   | 10.0  | Code IRC2021/TPI2014 |      |          |      |          |              |                         |         |
|                                        |       |                      |      |          |      |          |              | Weight: 126 lb FT = 20% |         |

| LUMBER-   |             | BRACING-  |                                                                                       |
|-----------|-------------|-----------|---------------------------------------------------------------------------------------|
| TOP CHORD | 2x4 SP No.2 | TOP CHORD | Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. |
| BOT CHORD | 2x4 SP No.3 | BOT CHORD | Rigid ceiling directly applied or 6-0-0 oc bracing.                                   |
| WEBS      | 2x4 SP No.3 | WEBS      | 1 Row at midpt 6-16                                                                   |
| OTHERS    | 2x4 SP No.3 |           |                                                                                       |

**REACTIONS.** All bearings 16-6-0.  
(lb) - Max Horz 20=178(LC 11)  
Max Uplift All uplift 100 lb or less at joint(s) 17, 18, 15, 14 except 20=112(LC 8), 12=101(LC 9), 19=162(LC 12), 13=158(LC 13)  
Max Grav All reactions 250 lb or less at joint(s) 20, 12, 18, 14 except 16=350(LC 27), 17=275(LC 24), 19=261(LC 20), 15=274(LC 21), 13=256(LC 21)

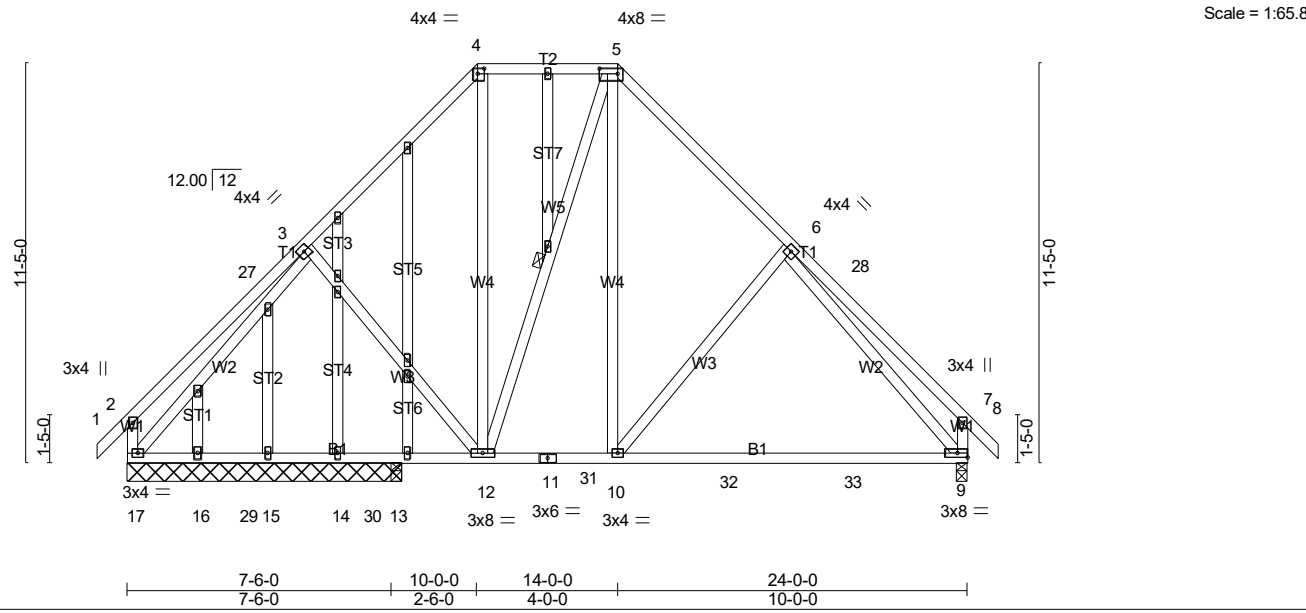
**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 4-5=-118/296, 5-6=-164/382, 6-7=-164/382, 7-8=-118/296  
WEBS 6-16=-468/142

- NOTES-** (13)
- 1) Unbalanced roof live loads have been considered for this design.
  - 2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) -0-10-8 to 3-11-2, Corner(3R) 3-11-2 to 12-6-14, Corner(3E) 12-6-14 to 17-4-8 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
  - 4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
  - 5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
  - 6) All plates are 2x4 MT20 unless otherwise indicated.
  - 7) Gable requires continuous bottom chord bearing.
  - 8) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
  - 9) Gable studs spaced at 2-0-0 oc.
  - 10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 11) \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
  - 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 17, 18, 15, 14 except (jt=lb) 20=112, 12=101, 19=162, 13=158.



|             |       |                                                          |     |     |                                                       |
|-------------|-------|----------------------------------------------------------|-----|-----|-------------------------------------------------------|
| Job         | Truss | Truss Type                                               | Qty | Ply | LOT 0.0024 CAMPBELL RIDGE   81 PINON DRIVE ANGIER, NC |
| 25-3580-R01 | R09   | Piggyback Base Structural Gable COMMON     Gable   Gable |     | 1   |                                                       |
|             |       |                                                          |     |     | Job Reference (optional) # 58814                      |

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 14:17:07 2025 Page 1  
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-0-10-8 5-1-12 10-0-0 14-0-0 24-0-0 24-10-8  
0-10-8 5-1-12 4-10-4 4-0-0 10-0-0 0-10-8



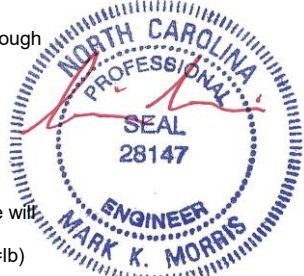
|                                                          |       |                      |      |           |      |          |                 |                |          |
|----------------------------------------------------------|-------|----------------------|------|-----------|------|----------|-----------------|----------------|----------|
| Plate Offsets (X,Y)-- [4:0-2-4,0-1-12], [5:0-6-4,0-1-12] |       |                      |      |           |      |          |                 |                |          |
| LOADING (psf)                                            |       | SPACING-             |      | CSI.      |      | DEFL.    |                 | PLATES         |          |
| TCLL (roof)                                              | 20.0  | 2-0-0                |      | TC        | 0.72 | in (loc) | l/defl          | MT20           | GRIP     |
| Snow (Pf)                                                | 20.0  | Plate Grip DOL       | 1.25 | BC        | 0.82 | Vert(LL) | -0.37 9-10 >526 |                | 244/190  |
| TCDL                                                     | 10.0  | Lumber DOL           | 1.25 | WB        | 0.81 | Vert(CT) | -0.59 9-10 >329 |                |          |
| BCLL                                                     | 0.0 * | Rep Stress Incr      | YES  | Matrix-SH |      | Horz(CT) | 0.02 9 n/a n/a  |                |          |
| BCDL                                                     | 10.0  | Code IRC2021/TPI2014 |      |           |      |          |                 | Weight: 225 lb | FT = 20% |

|           |             |                                                                                                                                                    |                                                                                       |
|-----------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| LUMBER-   |             | BRACING-                                                                                                                                           |                                                                                       |
| TOP CHORD | 2x4 SP No.2 | TOP CHORD                                                                                                                                          | Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. |
| BOT CHORD | 2x4 SP No.1 | BOT CHORD                                                                                                                                          | Rigid ceiling directly applied or 10-0-0 oc bracing.                                  |
| WEBS      | 2x4 SP No.3 | WEBS                                                                                                                                               | 1 Row at midpt 5-12                                                                   |
| OTHERS    | 2x4 SP No.3 |                                                                                                                                                    |                                                                                       |
|           |             | MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide. |                                                                                       |

REACTIONS. All bearings 7-9-8 except (jt=length) 9=0-3-8, 13=0-3-8.  
(lb) - Max Horz 17=-213(LC 10)  
Max Uplift All uplift 100 lb or less at joint(s) 9, 14 except 17=-115(LC 12)  
Max Grav All reactions 250 lb or less at joint(s) 14, 15, 16, 13 except 17=864(LC 1), 9=1006(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 3-4=-719/248, 4-5=-432/228, 5-6=-809/230, 6-28=-278/152, 7-28=-434/133, 2-17=-301/185, 7-9=-441/155  
BOT CHORD 16-17=-131/615, 16-29=-131/615, 15-29=-131/615, 14-15=-131/615, 14-30=-131/615, 13-30=-131/615, 12-13=-131/615, 12-31=-11/558, 11-31=-11/558, 10-11=-11/558, 10-32=-16/588, 32-33=-16/588, 9-33=-16/588  
WEBS 4-12=-96/255, 5-12=-308/53, 5-10=-62/573, 3-17=-700/34, 6-9=-665/60

- NOTES- (12)
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 3-11-2, Exterior(2R) 3-11-2 to 20-0-14, Exterior(2E) 20-0-14 to 24-10-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
  - TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
  - This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
  - Provide adequate drainage to prevent water ponding.
  - All plates are 2x4 MT20 unless otherwise indicated.
  - Gable studs spaced at 2-0-0 oc.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9, 14 except (jt=lb) 17=115.

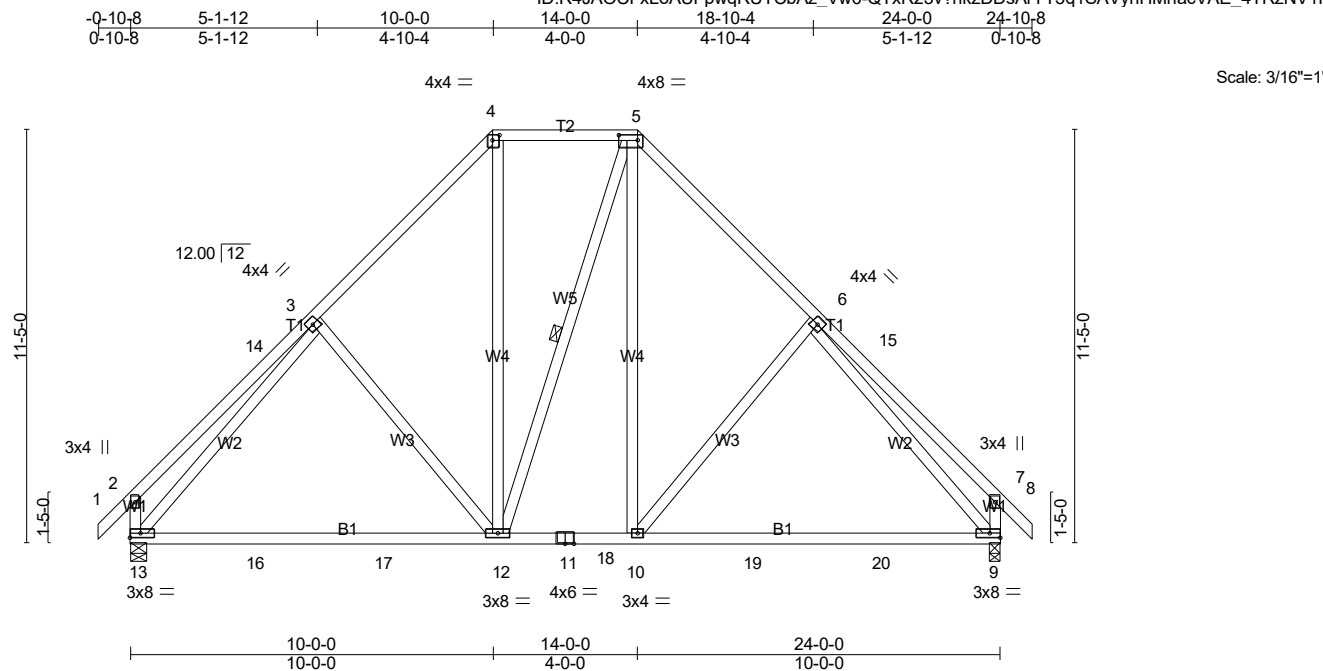


LOAD CASE(S) Standard  
Warning !—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility 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.

4/24/2025

|             |       |                |     |     |                                                       |
|-------------|-------|----------------|-----|-----|-------------------------------------------------------|
| Job         | Truss | Truss Type     | Qty | Ply | LOT 0.0024 CAMPBELL RIDGE   81 PINON DRIVE ANGIER, NC |
| 25-3580-R01 | R10   | Piggyback Base | 1   | 1   | Job Reference (optional) # 58814                      |

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| Plate Offsets (X,Y)-- [4:0-2-4,0-1-12], [5:0-6-4,0-1-12] |       |                 |                      |             |           |              |          |                         |          |
|----------------------------------------------------------|-------|-----------------|----------------------|-------------|-----------|--------------|----------|-------------------------|----------|
| <b>LOADING</b> (psf)                                     |       | <b>SPACING-</b> |                      | <b>CSI.</b> |           | <b>DEFL.</b> |          | <b>PLATES</b>           |          |
| TCLL (roof)                                              | 20.0  | 2-0-0           | Plate Grip DOL       | 1.25        | TC        | 0.77         | in (loc) | I/defl                  | L/d      |
| Snow (Pf)                                                | 20.0  |                 | Lumber DOL           | 1.25        | BC        | 0.88         | Vert(LL) | -0.40 9-10              | >705 240 |
| TCDL                                                     | 10.0  |                 | Rep Stress Incr      | YES         | WB        | 0.83         | Vert(CT) | -0.65 9-10              | >438 180 |
| BCLL                                                     | 0.0 * |                 | Code IRC2021/TPI2014 |             | Matrix-SH |              | Horz(CT) | 0.02 9                  | n/a n/a  |
| BCDL                                                     | 10.0  |                 |                      |             |           |              |          |                         |          |
|                                                          |       |                 |                      |             |           |              |          | Weight: 185 lb FT = 20% |          |

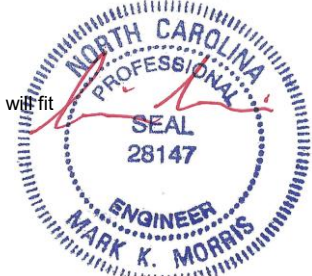
|                |             |                                                                                                                                                    |                                                                                        |
|----------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| <b>LUMBER-</b> |             | <b>BRACING-</b>                                                                                                                                    |                                                                                        |
| TOP CHORD      | 2x4 SP No.2 | TOP CHORD                                                                                                                                          | Structural wood sheathing directly applied or 5-10-0 oc purlins, except end verticals. |
| BOT CHORD      | 2x4 SP No.1 | BOT CHORD                                                                                                                                          | Rigid ceiling directly applied or 10-0-0 oc bracing.                                   |
| WEBS           | 2x4 SP No.3 | WEBS                                                                                                                                               | 1 Row at midpt 5-12                                                                    |
|                |             | MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide. |                                                                                        |

**REACTIONS.** (lb/size) 13=1010/0-5-8 (min. 0-1-8), 9=1010/0-3-8 (min. 0-1-8)  
Max Horz 13=213(LC 11)  
Max Uplift 13=-54(LC 12), 9=-54(LC 13)  
Max Grav 13=1089(LC 3), 9=1095(LC 3)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-14=-454/128, 3-14=-298/147, 3-4=-906/211, 4-5=-576/202, 5-6=-914/211, 6-15=-299/147,  
7-15=-455/128, 2-13=-456/152, 7-9=-456/152  
BOT CHORD 13-16=-102/758, 16-17=-102/758, 12-17=-102/758, 12-18=0/629, 11-18=0/629, 10-11=0/629,  
10-19=-4/656, 19-20=-4/656, 9-20=-4/656  
WEBS 4-12=-67/395, 5-10=-90/442, 3-13=-716/46, 6-9=-715/45

- NOTES-** (9)
- 1) Unbalanced roof live loads have been considered for this design.
  - 2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-10-8 to 3-11-2, Exterior(2R) 3-11-2 to 20-0-14, Exterior(2E) 20-0-14 to 24-10-8 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
  - 4) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
  - 5) Provide adequate drainage to prevent water ponding.
  - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 7) \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
  - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 13, 9.

**LOAD CASE(S)** Standard



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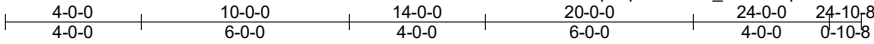
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|             |       |                     |     |     |                                                       |
|-------------|-------|---------------------|-----|-----|-------------------------------------------------------|
| Job         | Truss | Truss Type          | Qty | Ply | LOT 0.0024 CAMPBELL RIDGE   81 PINON DRIVE ANGIER, NC |
| 25-3580-R01 | R11   | PIGGBACK BASE GIRDE | 1   | 3   |                                                       |

Job Reference (optional) # 58814

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Scale = 1:66.9

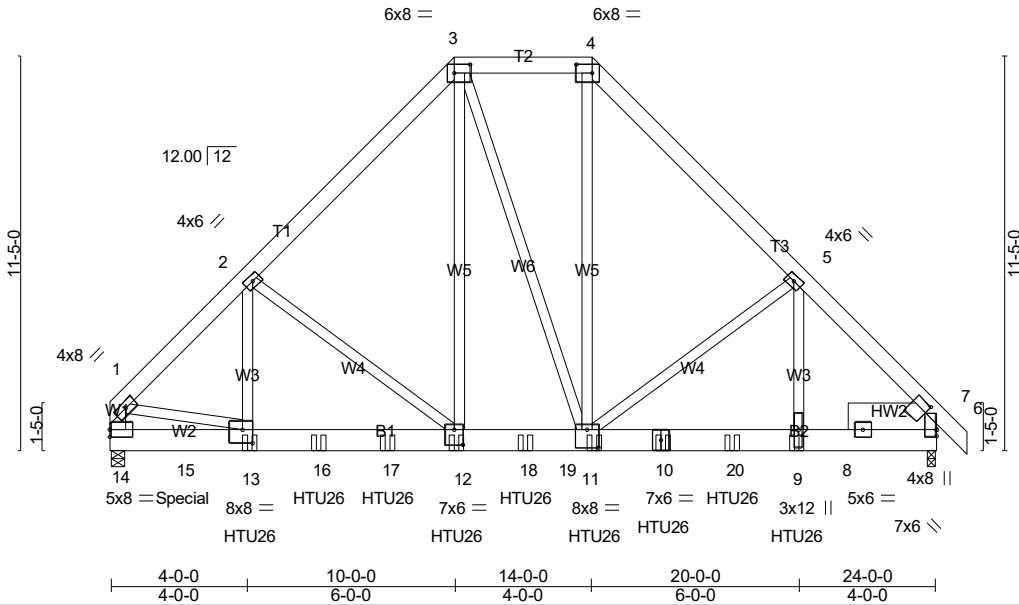


Plate Offsets (X,Y)-- [3:0-5-8,0-3-0], [4:0-5-8,0-3-0], [6:0-6-15,0-4-2], [11:0-4-0,0-6-4], [12:0-3-0,0-5-4], [13:0-3-8,0-4-12]

| LOADING (psf)    | SPACING-             | CSI.      | DEFL.          | in (loc) | l/defl | L/d | PLATES | GRIP    |
|------------------|----------------------|-----------|----------------|----------|--------|-----|--------|---------|
| TCLL (roof) 20.0 | 2-0-0                | TC 0.27   | Vert(LL) -0.10 | 9-11     | >999   | 240 | MT20   | 244/190 |
| Snow (Pf) 20.0   | Plate Grip DOL 1.25  | BC 0.97   | Vert(CT) -0.16 | 12-13    | >999   | 180 |        |         |
| TCDL 10.0        | Lumber DOL 1.25      | WB 0.87   | Horz(CT) 0.04  | 6        | n/a    | n/a |        |         |
| BCLL 0.0 *       | Rep Stress Incr NO   | Matrix-SH |                |          |        |     |        |         |
| BCDL 10.0        | Code IRC2021/TPI2014 |           |                |          |        |     |        |         |

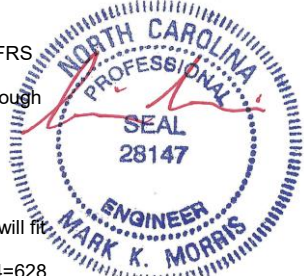
Weight: 757 lb FT = 20%

|                                  |                                                                                                 |
|----------------------------------|-------------------------------------------------------------------------------------------------|
| <b>LUMBER-</b>                   | <b>BRACING-</b>                                                                                 |
| TOP CHORD 2x6 SP No.2            | TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. |
| BOT CHORD 2x8 SP No.2            | BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.                                  |
| WEBS 2x4 SP No.3 *Except*        |                                                                                                 |
| W1: 2x6 SP No.2                  |                                                                                                 |
| SLIDER Right 2x10 SP No.2 2-6-13 |                                                                                                 |

**REACTIONS.** (lb/size) 14=8461/0-5-8 (min. 0-3-10), 6=8443/0-3-8 (min. 0-3-8)  
Max Horz 14=-211(LC 6)  
Max Uplift 14=-628(LC 10), 6=-1162(LC 11)  
Max Grav 14=9257(LC 4), 6=8843(LC 4)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 1-2=-9894/675, 2-3=-7939/661, 3-4=-5855/599, 4-5=-8263/758, 5-6=-11736/1490,  
1-14=-8731/588  
BOT CHORD 14-15=-237/873, 13-15=-237/873, 13-16=-540/6920, 16-17=-540/6920, 12-17=-540/6920,  
12-18=-414/5605, 18-19=-414/5605, 11-19=-414/5605, 10-11=-912/7472, 10-20=-912/7472,  
9-20=-912/7472, 8-9=-909/7458, 6-8=-909/7458  
WEBS 2-13=-110/2342, 2-12=-1792/258, 3-12=-222/4779, 3-11=-315/843, 4-11=-493/5505,  
5-11=-2270/791, 5-9=-987/4285, 1-13=-386/6322

- NOTES-** (15)
- 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:  
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.  
Bottom chords connected as follows: 2x8 - 3 rows staggered at 0-5-0 oc.  
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
  - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
  - Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
  - TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
  - This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
  - Provide adequate drainage to prevent water ponding.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 14=628, 6=1162.
  - Use Simpson Strong-Tie HTU26 (10-16d Girder, 14-10dx1 1/2 Truss) or equivalent spaced at 2-0-0 oc max. starting at 4-0-12 from the



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Warranty: This design is provided as a guide only. It is not a contract. The user of this design is responsible 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-R01 | R11   | PIGGYBACK BASE GIRDE | 1   | 3   | Job Reference (optional) # 58814                      |

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 14:17:09 2025 Page 2  
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- NOTES-** (15)
- 12) Use Simpson Strong-Tie HTU26 (20-10d Girder, 14-10dx1 1/2 Truss, Single Ply Girder) or equivalent spaced at 2-0-0 oc max. starting at 16-0-12 from the left end to 19-11-4 to connect truss(es) R05 (1 ply 2x4 SP), R06 (1 ply 2x4 SP), R07 (1 ply 2x6 SP) to back face of bottom chord.
- 13) Fill all nail holes where hanger is in contact with lumber.
- 14) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1359 lb down and 113 lb up at 2-1-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

- LOAD CASE(S)** Standard
- 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
- Uniform Loads (plf)
- Vert: 1-3=-60, 3-4=-60, 4-7=-60, 6-14=-20
- Concentrated Loads (lb)
- Vert: 10=-1785(B) 13=-1239(B) 12=-1324(B) 11=-1324(B) 9=-2181(B) 15=-1239(B) 16=-1324(B) 17=-1324(B) 18=-1324(B) 20=-1885(B)

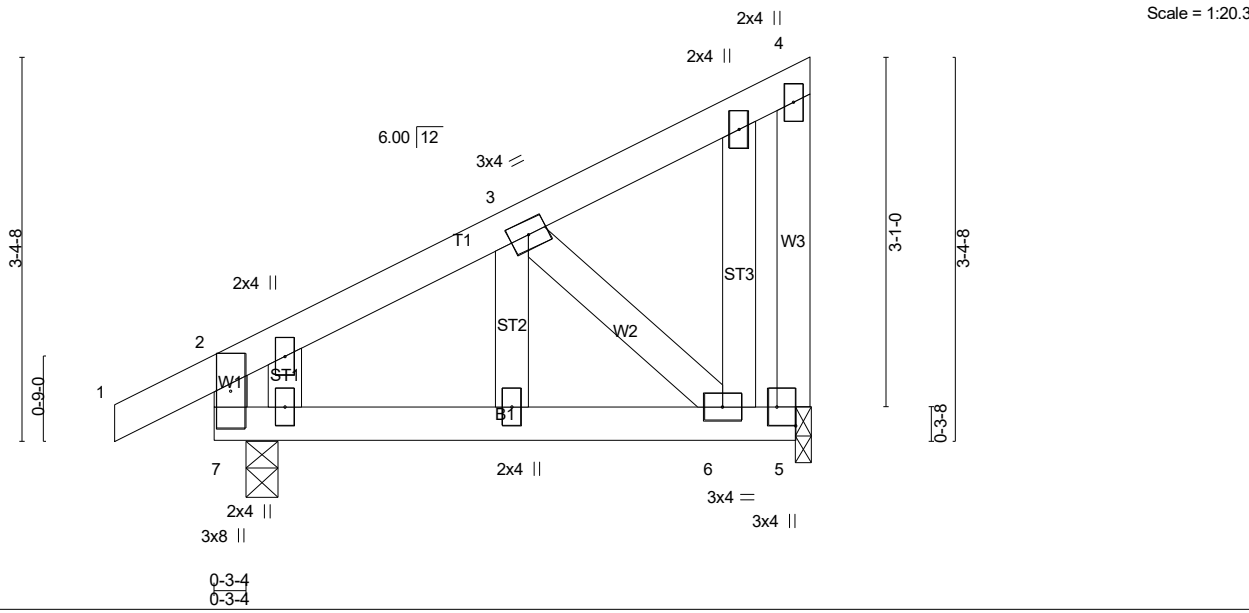


4/24/2025

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|             |       |            |     |     |                                                       |
|-------------|-------|------------|-----|-----|-------------------------------------------------------|
| Job         | Truss | Truss Type | Qty | Ply | LOT 0.0024 CAMPBELL RIDGE   81 PINON DRIVE ANGIER, NC |
| 25-3580-R01 | R12   | GABLE      | 1   | 1   | Job Reference (optional) # 58814                      |

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8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 14:17:09 2025 Page 1  
-0-10-8 5-3-0 5-3-0  
0-10-8 5-3-0



| Plate Offsets (X,Y)-- [5:Edge,0-2-0] |       |                      |      |           |      |          |                |               |          |
|--------------------------------------|-------|----------------------|------|-----------|------|----------|----------------|---------------|----------|
| LOADING (psf)                        |       | SPACING-             |      | CSI.      |      | DEFL.    |                | PLATES        |          |
| TCLL (roof)                          | 20.0  | 2-0-0                |      | TC        | 0.26 | in (loc) | l/defl         | L/d           | GRIP     |
| Snow (Pf)                            | 20.0  | Plate Grip DOL       | 1.25 | BC        | 0.35 | Vert(LL) | -0.02 6-7 >999 | 240           | 244/190  |
| TCDL                                 | 10.0  | Lumber DOL           | 1.25 | WB        | 0.04 | Vert(CT) | -0.05 6-7 >999 | 180           |          |
| BCLL                                 | 0.0 * | Rep Stress Incr      | YES  | Matrix-SH |      | Horz(CT) | 0.00 5 n/a     | n/a           |          |
| BCDL                                 | 10.0  | Code IRC2021/TPI2014 |      |           |      |          |                |               |          |
|                                      |       |                      |      |           |      |          |                | Weight: 33 lb | FT = 20% |

| LUMBER-   |             | BRACING-  |                                                                                       |
|-----------|-------------|-----------|---------------------------------------------------------------------------------------|
| TOP CHORD | 2x4 SP No.2 | TOP CHORD | Structural wood sheathing directly applied or 5-3-0 oc purlins, except end verticals. |
| BOT CHORD | 2x4 SP No.3 | BOT CHORD | Rigid ceiling directly applied or 10-0-0 oc bracing.                                  |
| WEBS      | 2x4 SP No.3 |           |                                                                                       |
| OTHERS    | 2x4 SP No.3 |           |                                                                                       |

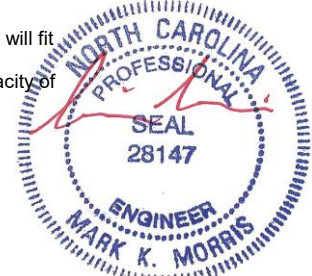
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS.** (lb/size) 7=266/0-3-8 (min. 0-1-8), 5=192/0-1-8 (min. 0-1-8)  
Max Horz 7=89(LC 14)  
Max Uplift 7=-17(LC 14), 5=-52(LC 14)  
Max Grav 7=349(LC 21), 5=275(LC 21)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-7=-284/107

- NOTES-** (12)
- Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
  - TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
  - Unbalanced snow loads have been considered for this design.
  - This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
  - Gable studs spaced at 2-0-0 oc.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
  - Bearing at joint(s) 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
  - Provide mechanical connection (by others) of truss to bearing plate at joint(s) 5.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7, 5.

**LOAD CASE(S)** Standard



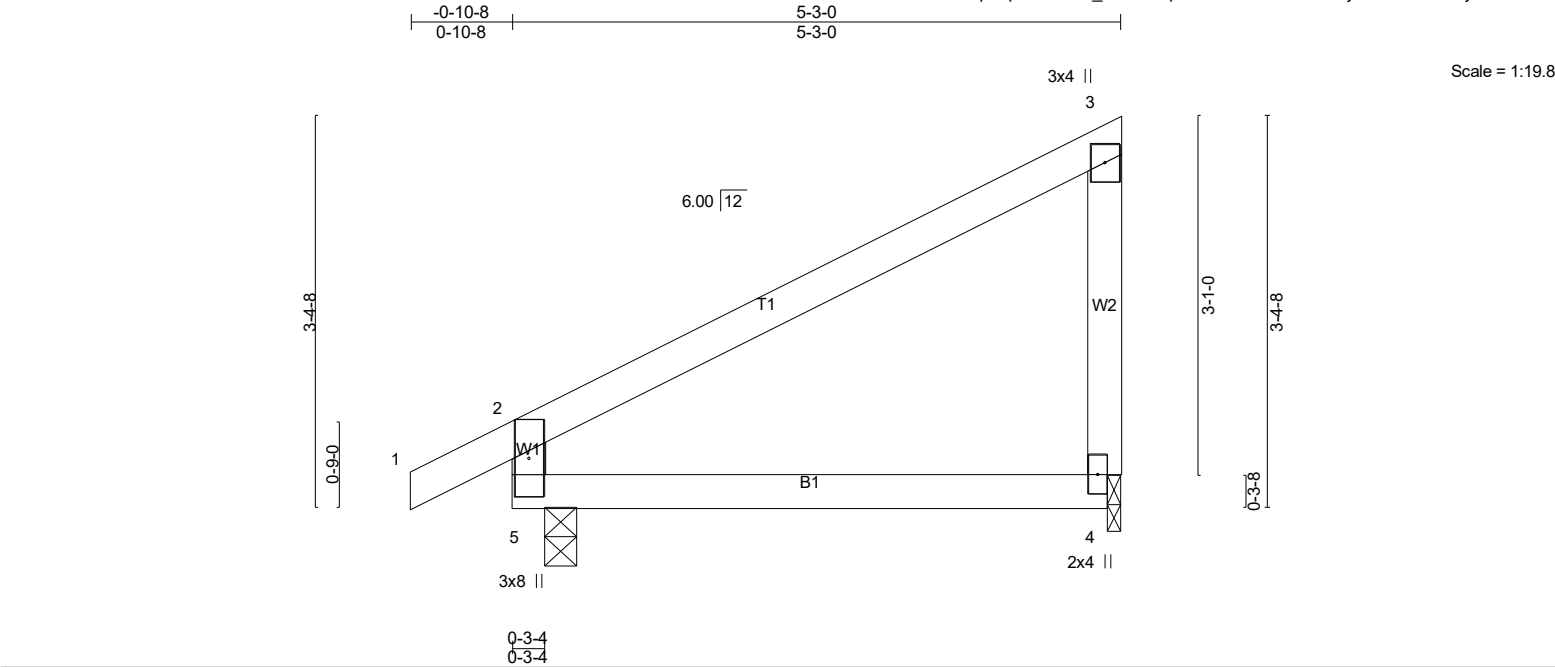
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|             |       |            |     |     |                                                       |
|-------------|-------|------------|-----|-----|-------------------------------------------------------|
| Job         | Truss | Truss Type | Qty | Ply | LOT 0.0024 CAMPBELL RIDGE   81 PINON DRIVE ANGIER, NC |
| 25-3580-R01 | R13   | Monopitch  | 7   | 1   | Job Reference (optional) # 58814                      |

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| LOADING (psf) |       | SPACING-             |            | CSI.     |      | DEFL.    |       |        |      | PLATES        | GRIP     |
|---------------|-------|----------------------|------------|----------|------|----------|-------|--------|------|---------------|----------|
| TCLL (roof)   | 20.0  | Plate Grip DOL       | 2-0-0 1.25 | TC       | 0.49 | in       | (loc) | l/defl | L/d  | MT20          | 244/190  |
| Snow (Pf)     | 20.0  | Lumber DOL           | 1.25       | BC       | 0.23 | Vert(LL) | -0.02 | 4-5    | >999 |               |          |
| TCDL          | 10.0  | Rep Stress Incr      | YES        | WB       | 0.00 | Vert(CT) | -0.05 | 4-5    | >999 |               |          |
| BCLL          | 0.0 * | Code IRC2021/TPI2014 |            | Matrix-R |      | Horz(CT) | 0.00  | 4      | n/a  |               |          |
| BCDL          | 10.0  |                      |            |          |      |          |       |        |      | Weight: 23 lb | FT = 20% |

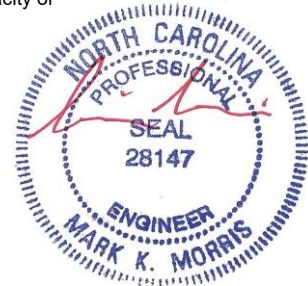
| LUMBER-               | BRACING-                                                                                                                                           |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| TOP CHORD 2x4 SP No.2 | TOP CHORD Structural wood sheathing directly applied or 5-3-0 oc purlins, except end verticals.                                                    |
| BOT CHORD 2x4 SP No.2 | BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.                                                                                     |
| WEBS 2x4 SP No.3      | MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide. |

**REACTIONS.** (lb/size) 5=266/0-3-8 (min. 0-1-8), 4=192/0-1-8 (min. 0-1-8)  
 Max Horz 5=89(LC 14)  
 Max Uplift 5=-17(LC 14), 4=-52(LC 14)  
 Max Grav 5=349(LC 21), 4=275(LC 21)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-5=-318/134

- NOTES-** (10)
- Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
  - Unbalanced snow loads have been considered for this design.
  - This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
  - Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
  - Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 4.

**LOAD CASE(S)** Standard

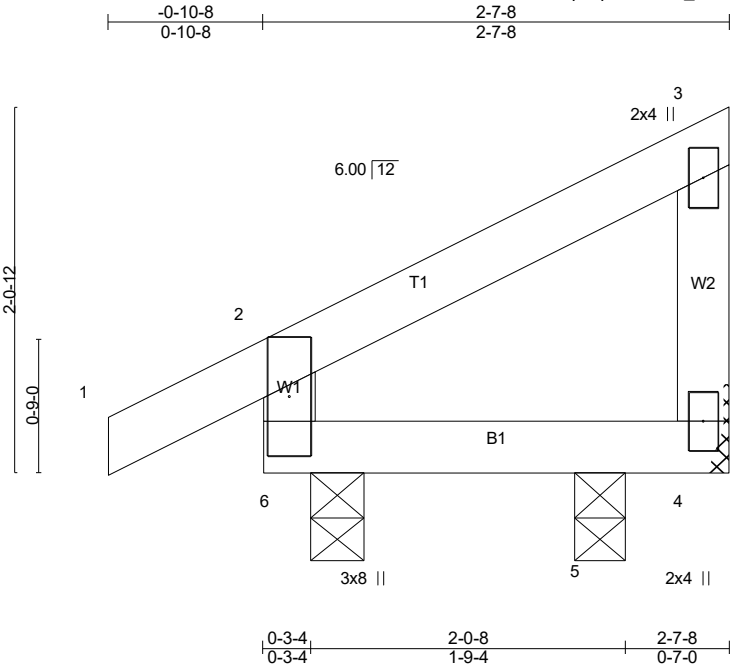


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|             |       |                            |     |     |                                                       |
|-------------|-------|----------------------------|-----|-----|-------------------------------------------------------|
| Job         | Truss | Truss Type                 | Qty | Ply | LOT 0.0024 CAMPBELL RIDGE   81 PINON DRIVE ANGIER, NC |
| 25-3580-R01 | R14   | Monopitch Structural Gable | 1   | 1   | Job Reference (optional) # 58814                      |

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ID:R4JAOCFxLoAUFpwqRUTCbAz\_Vw6-Mr3CSlwGDLExTAKEGu6l7IG0hVAd9g4odYTBYKzNV1N



Scale = 1:13.0

| LOADING (psf)    | SPACING-             | CSI.     | DEFL.                     | PLATES        | GRIP     |
|------------------|----------------------|----------|---------------------------|---------------|----------|
| TCLL (roof) 20.0 | 2'-0"-0"             | TC 0.12  | in (loc) l/defl L/d       | MT20          | 244/190  |
| Snow (Pf) 20.0   | Plate Grip DOL 1.25  | BC 0.06  | Vert(LL) 0.00 6 >999 240  |               |          |
| TCDL 10.0        | Lumber DOL 1.25      | WB 0.00  | Vert(CT) -0.00 6 >999 180 |               |          |
| BCLL 0.0 *       | Rep Stress Incr YES  | Matrix-R | Horz(CT) 0.00 4 n/a n/a   |               |          |
| BCDL 10.0        | Code IRC2021/TPI2014 |          |                           | Weight: 12 lb | FT = 20% |

**LUMBER-**  
TOP CHORD 2x4 SP No.2  
BOT CHORD 2x4 SP No.3  
WEBS 2x4 SP No.3

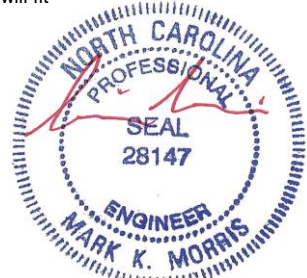
**BRACING-**  
TOP CHORD Structural wood sheathing directly applied or 2'-7"-8" oc purlins, except end verticals.  
BOT CHORD Rigid ceiling directly applied or 6'-0"-0" oc bracing.  
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS.** (lb/size) 4=65/Mechanical, 6=163/0-3-8 (min. 0-1-8), 5=20/0-3-8 (min. 0-1-8)  
Max Horz 6=49(LC 14)  
Max Uplift 4=-38(LC 14), 6=-18(LC 14)  
Max Grav 4=95(LC 21), 6=231(LC 21), 5=62(LC 7)

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

- NOTES-** (11)
- Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
  - TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
  - Unbalanced snow loads have been considered for this design.
  - This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
  - Gable studs spaced at 2'-0"-0" oc.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3'-6"-0" tall by 1'-0"-0" wide will fit between the bottom chord and any other members.
  - Refer to girder(s) for truss to truss connections.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 6.

**LOAD CASE(S)** Standard

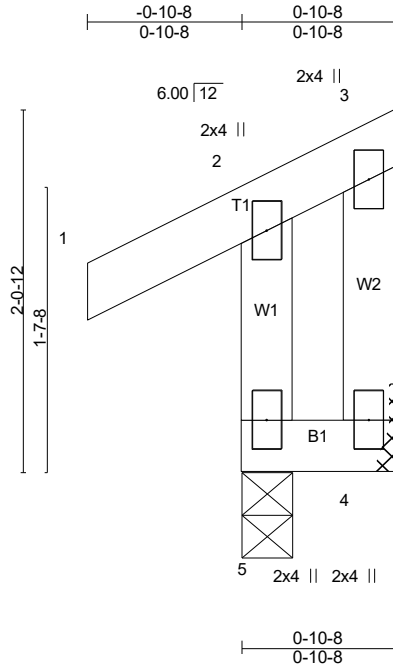


4/24/2025

**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-R01 | R15   | Monopitch  | 3   | 1   | Job Reference (optional) # 58814                      |

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8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 14:17:10 2025 Page 1



Scale = 1:13.1

|                      |                      |             |                           |               |             |
|----------------------|----------------------|-------------|---------------------------|---------------|-------------|
| <b>LOADING</b> (psf) | <b>SPACING-</b>      | <b>CSI.</b> | <b>DEFL.</b>              | <b>PLATES</b> | <b>GRIP</b> |
| TCLL (roof) 20.0     | 2-0-0                | TC 0.12     | in (loc) l/defl L/d       | MT20          | 244/190     |
| Snow (Pf) 20.0       | Plate Grip DOL 1.25  | BC 0.03     | Vert(LL) 0.00 5 >999 240  |               |             |
| TCDL 10.0            | Lumber DOL 1.25      | WB 0.00     | Vert(CT) -0.00 5 >999 180 |               |             |
| BCLL 0.0 *           | Rep Stress Incr YES  | Matrix-R    | Horz(CT) -0.00 4 n/a n/a  |               |             |
| BCDL 10.0            | Code IRC2021/TPI2014 |             |                           | Weight: 8 lb  | FT = 20%    |

**LUMBER-**  
TOP CHORD 2x4 SP No.2  
BOT CHORD 2x4 SP No.2  
WEBS 2x4 SP No.3

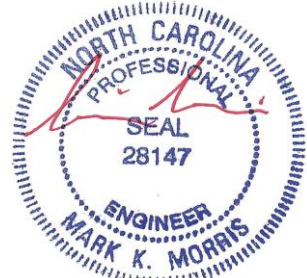
**BRACING-**  
TOP CHORD Structural wood sheathing directly applied or 0-10-8 oc purlins, except end verticals.  
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.  
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS.** (lb/size) 4=-30/Mechanical, 5=138/0-3-8 (min. 0-1-8)  
Max Horz 5=22(LC 14)  
Max Uplift 4=-78(LC 20)  
Max Grav 5=203(LC 20)

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

- NOTES-** (9)
- 1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 2) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
  - 3) Unbalanced snow loads have been considered for this design.
  - 4) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
  - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 6) \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
  - 7) Refer to girder(s) for truss to truss connections.
  - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4.

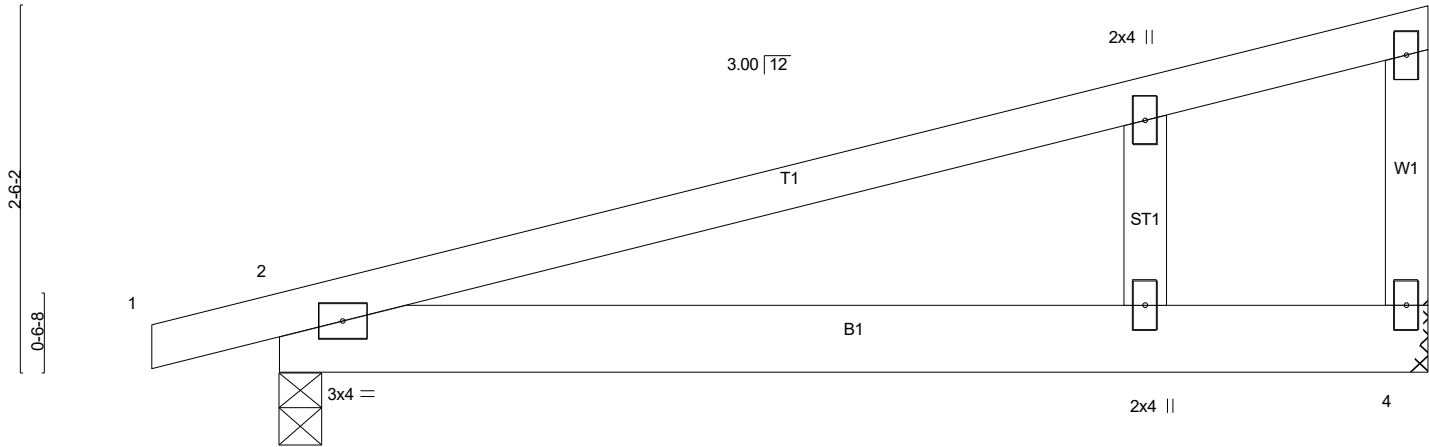
**LOAD CASE(S)** Standard



4/24/2025

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8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Apr 24 14:17:10 2025 Page 1  
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|                      |                       |             |                                  |               |             |
|----------------------|-----------------------|-------------|----------------------------------|---------------|-------------|
| <b>LOADING</b> (psf) | <b>SPACING-</b> 2-0-0 | <b>CSI.</b> | <b>DEFL.</b> in (loc) l/defl L/d | <b>PLATES</b> | <b>GRIP</b> |
| TCLL 20.0            | Plate Grip DOL 1.25   | TC 0.52     | Vert(LL) -0.05 2-4 >999 240      | MT20          | 244/190     |
| TCDL 10.0            | Lumber DOL 1.25       | BC 0.32     | Vert(CT) -0.10 2-4 >890 180      |               |             |
| BCLL 0.0 *           | Rep Stress Incr YES   | WB 0.00     | Horz(CT) 0.00 n/a n/a            |               |             |
| BCDL 10.0            | Code IRC2021/TPI2014  | Matrix-P    |                                  | Weight: 36 lb | FT = 20%    |

|                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>LUMBER-</b><br>TOP CHORD 2x4 SP SS<br>BOT CHORD 2x6 SP No.2<br>WEBS 2x4 SP No.3<br>OTHERS 2x4 SP No.3 | <b>BRACING-</b><br>TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.<br>BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.<br><div style="border: 1px solid black; padding: 5px; margin-top: 10px;">           MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.         </div> |
|----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

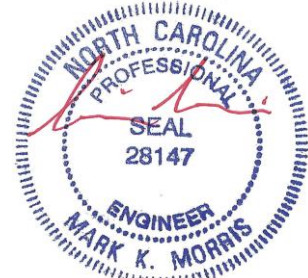
**REACTIONS.** (lb/size) 4=299/Mechanical, 2=369/0-3-8 (min. 0-1-8)  
Max Horz 2=103(LC 6)  
Max Uplift 4=-117(LC 10), 2=-150(LC 6)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 3-4=-223/291

**NOTES-** (8)

- 1) Wind: ASCE 7-16; Vult=150mph (3-second gust) Vasd=119mph; TCDF=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 3) Gable studs spaced at 2'-0" oc.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3'-6" tall by 1'-0" wide will fit between the bottom chord and any other members.
- 6) Refer to girder(s) for truss to truss connections.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=117, 2=150.

LOAD CASE(S) Standard

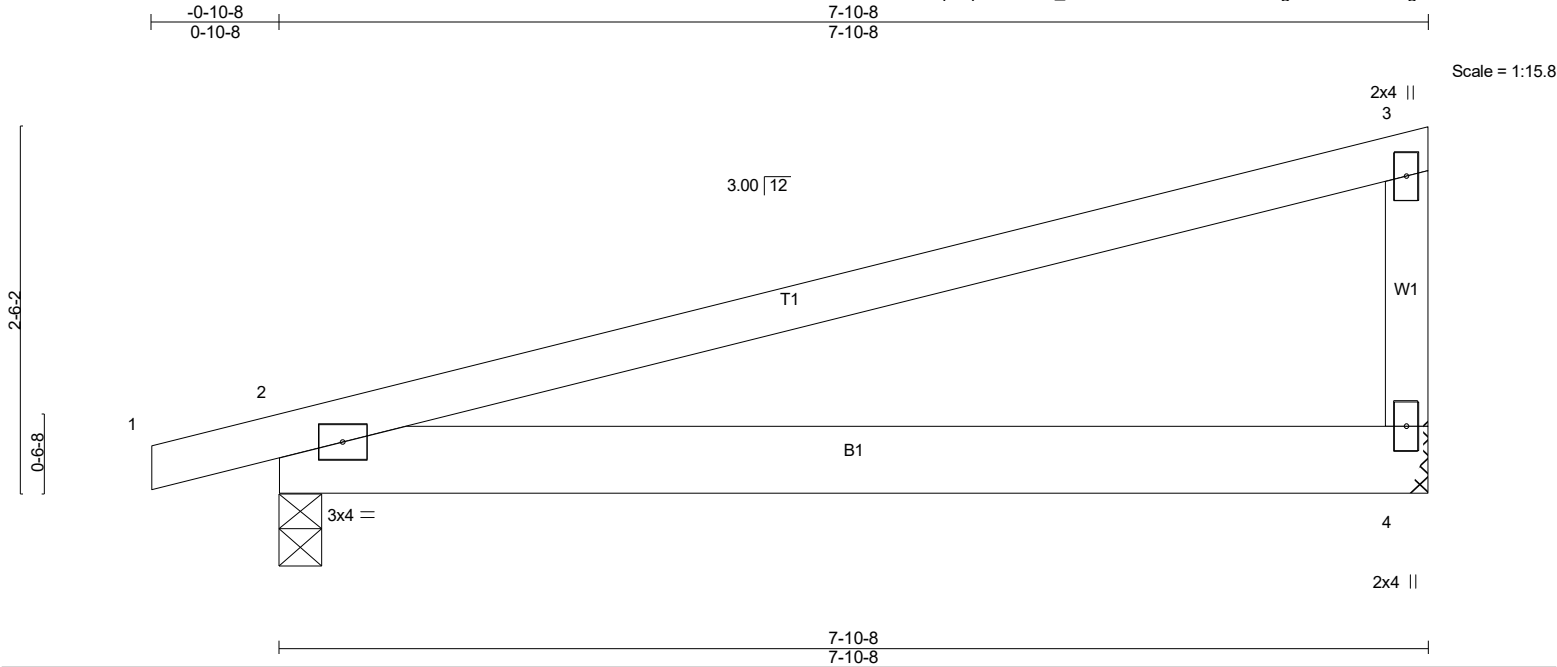


4/24/2025

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|             |       |            |     |     |                                                       |
|-------------|-------|------------|-----|-----|-------------------------------------------------------|
| Job         | Truss | Truss Type | Qty | Ply | LOT 0.0024 CAMPBELL RIDGE   81 PINON DRIVE ANGIER, NC |
| 25-3580-R01 | SP02  | Monopitch  | 5   | 1   | Job Reference (optional) <b># 58814</b>               |

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| LOADING (psf) | SPACING-             | 2-0-0 | CSI.     | DEFL.    | in    | (loc) | l/defl | L/d | PLATES        | GRIP     |
|---------------|----------------------|-------|----------|----------|-------|-------|--------|-----|---------------|----------|
| TCLL 20.0     | Plate Grip DOL       | 1.25  | TC 0.52  | Vert(LL) | -0.05 | 2-4   | >999   | 240 | MT20          | 244/190  |
| TCDL 10.0     | Lumber DOL           | 1.25  | BC 0.32  | Vert(CT) | -0.10 | 2-4   | >890   | 180 |               |          |
| BCLL 0.0 *    | Rep Stress Incr      | YES   | WB 0.00  | Horz(CT) | 0.00  |       | n/a    | n/a |               |          |
| BCDL 10.0     | Code IRC2021/TPI2014 |       | Matrix-P |          |       |       |        |     | Weight: 35 lb | FT = 20% |

|                       |                                                                                                                                                    |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>LUMBER-</b>        | <b>BRACING-</b>                                                                                                                                    |
| TOP CHORD 2x4 SP SS   | TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.                                                    |
| BOT CHORD 2x6 SP No.2 | BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.                                                                                     |
| WEBS 2x4 SP No.3      | MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide. |

**REACTIONS.** (lb/size) 4=299/Mechanical, 2=369/0-3-8 (min. 0-1-8)  
Max Horz 2=103(LC 6)  
Max Uplift 4=117(LC 10), 2=-150(LC 6)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 3-4=-223/291

- NOTES-** (6)
- 1) Wind: ASCE 7-16; Vult=150mph (3-second gust) Vasd=119mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 3) \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
  - 4) Refer to girder(s) for truss to truss connections.
  - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=117, 2=150.

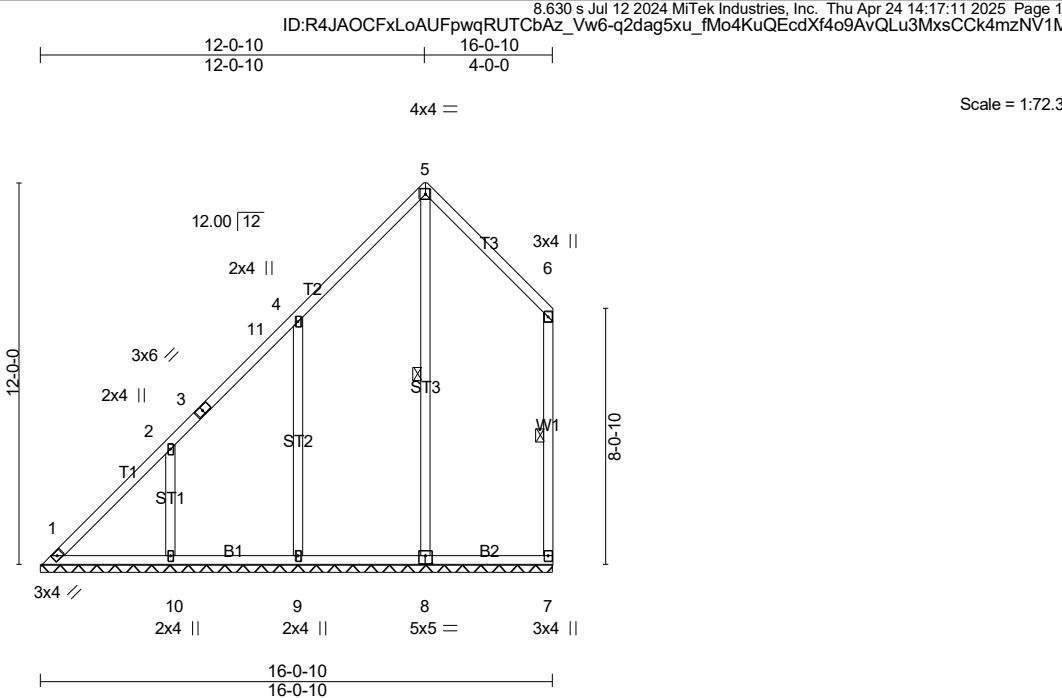
**LOAD CASE(S)** Standard



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-R01 | VT01  | Valley     | 1   | 1   | Job Reference (optional) # 58814                      |



| Plate Offsets (X,Y)-- [8:0-2-8,0-3-0] |       |                      |      |             |      |              |        |                         |         |
|---------------------------------------|-------|----------------------|------|-------------|------|--------------|--------|-------------------------|---------|
| <b>LOADING</b> (psf)                  |       | <b>SPACING-</b>      |      | <b>CSI.</b> |      | <b>DEFL.</b> |        | <b>PLATES</b>           |         |
| TCLL (roof)                           | 20.0  | 2-0-0                |      | TC          | 0.20 | in (loc)     | l/defl | MT20                    | GRIP    |
| Snow (Pf)                             | 20.0  | Plate Grip DOL       | 1.25 | BC          | 0.41 | n/a          | -      |                         | 244/190 |
| TCDL                                  | 10.0  | Lumber DOL           | 1.25 | WB          | 0.32 | n/a          | -      |                         |         |
| BCLL                                  | 0.0 * | Rep Stress Incr      | YES  | Matrix-SH   |      | 0.00         | 7      |                         |         |
| BCDL                                  | 10.0  | Code IRC2021/TPI2014 |      |             |      |              |        |                         |         |
|                                       |       |                      |      |             |      |              |        | Weight: 102 lb FT = 20% |         |

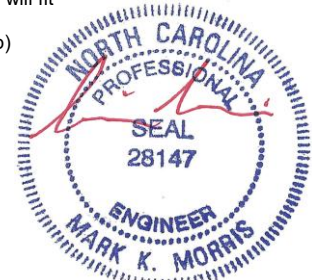
|                |             |                                                                                                                                                    |                                                                                       |
|----------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>LUMBER-</b> |             | <b>BRACING-</b>                                                                                                                                    |                                                                                       |
| TOP CHORD      | 2x4 SP No.2 | TOP CHORD                                                                                                                                          | Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. |
| BOT CHORD      | 2x4 SP No.3 | BOT CHORD                                                                                                                                          | Rigid ceiling directly applied or 10-0-0 oc bracing.                                  |
| WEBS           | 2x4 SP No.3 | WEBS                                                                                                                                               | 1 Row at midpt 6-7, 5-8                                                               |
| OTHERS         | 2x4 SP No.3 |                                                                                                                                                    |                                                                                       |
|                |             | MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide. |                                                                                       |

**REACTIONS.** All bearings 16-0-10.  
(lb) - Max Horz 1=290(LC 12)  
Max Uplift All uplift 100 lb or less at joint(s) 7, 1 except 9=-176(LC 12), 10=-174(LC 12)  
Max Grav All reactions 250 lb or less at joint(s) 7, 1 except 8=516(LC 19), 9=545(LC 19), 10=459(LC 19)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 1-2=-348/232  
WEBS 4-9=-284/218, 2-10=-265/201

- NOTES-** (8)
- 1) Unbalanced roof live loads have been considered for this design.
  - 2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-4-4 to 5-1-13, Interior(1) 5-1-13 to 7-3-0, Exterior(2R) 7-3-0 to 12-0-10, Exterior(2E) 12-0-10 to 15-10-14 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
  - 4) Gable requires continuous bottom chord bearing.
  - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 6) \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
  - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7, 1 except (jt=lb) 9=176, 10=174.

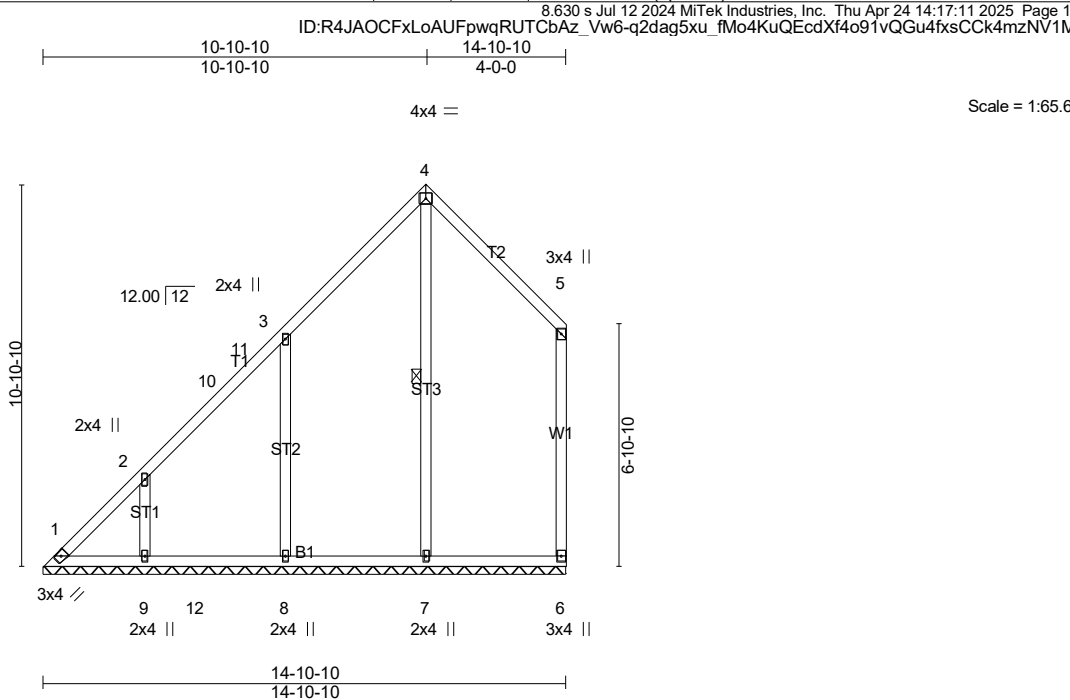
**LOAD CASE(S)** Standard



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-R01 | VT02  | Valley     | 1   | 1   | Job Reference (optional) # 58814                      |



| LOADING (psf)    | SPACING-             | CSI.      | DEFL.                   | PLATES        | GRIP     |
|------------------|----------------------|-----------|-------------------------|---------------|----------|
| TCLL (roof) 20.0 | 2-0-0                | TC 0.21   | in (loc) l/defl L/d     | MT20          | 244/190  |
| Snow (Pf) 20.0   | Plate Grip DOL 1.25  | BC 0.42   | Vert(LL) n/a - n/a 999  |               |          |
| TCDL 10.0        | Lumber DOL 1.25      | WB 0.24   | Vert(CT) n/a - n/a 999  |               |          |
| BCLL 0.0 *       | Rep Stress Incr YES  | Matrix-SH | Horz(CT) 0.00 6 n/a n/a |               |          |
| BCDL 10.0        | Code IRC2021/TPI2014 |           |                         | Weight: 91 lb | FT = 20% |

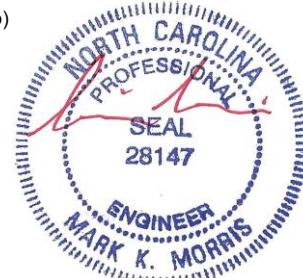
| LUMBER-               | BRACING-                                                                                                                                           |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| TOP CHORD 2x4 SP No.2 | TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.                                                    |
| BOT CHORD 2x4 SP No.3 | BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.                                                                                     |
| WEBS 2x4 SP No.3      | WEBS 1 Row at midpt 4-7                                                                                                                            |
| OTHERS 2x4 SP No.3    | MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide. |

**REACTIONS.** All bearings 14-10-10.  
(lb) - Max Horz 1=255(LC 12)  
Max Uplift All uplift 100 lb or less at joint(s) 1, 6 except 8=-183(LC 12), 9=-145(LC 12)  
Max Grav All reactions 250 lb or less at joint(s) 1, 6 except 7=512(LC 19), 8=548(LC 19), 9=348(LC 19)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 1-2=-324/217  
WEBS 3-8=-292/229

- NOTES-** (8)
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-4-4 to 5-1-13, Interior(1) 5-1-13 to 6-1-0, Exterior(2R) 6-1-0 to 10-10-10, Exterior(2E) 10-10-10 to 14-8-14 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
  - Gable requires continuous bottom chord bearing.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 6 except (jt=lb) 8=183, 9=145.

**LOAD CASE(S)** Standard

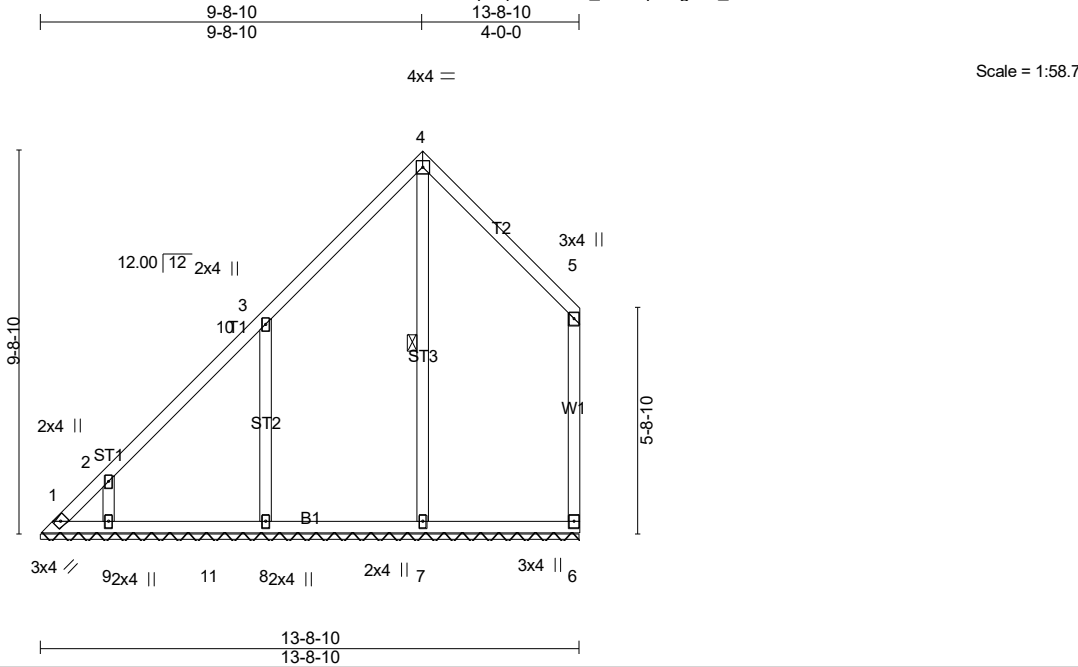


4/24/2025

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|             |       |            |     |     |                                                       |
|-------------|-------|------------|-----|-----|-------------------------------------------------------|
| Job         | Truss | Truss Type | Qty | Ply | LOT 0.0024 CAMPBELL RIDGE   81 PINON DRIVE ANGIER, NC |
| 25-3580-R01 | VT03  | Valley     | 1   | 1   | Job Reference (optional) # 58814                      |

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| LOADING (psf)    | SPACING-             | CSI.      | DEFL.                   | PLATES        | GRIP     |
|------------------|----------------------|-----------|-------------------------|---------------|----------|
| TCLL (roof) 20.0 | 2-0-0                | TC 0.21   | in (loc) l/defl L/d     | MT20          | 244/190  |
| Snow (Pf) 20.0   | Plate Grip DOL 1.25  | BC 0.43   | Vert(LL) n/a - n/a 999  |               |          |
| TCDL 10.0        | Lumber DOL 1.25      | WB 0.16   | Vert(CT) n/a - n/a 999  |               |          |
| BCLL 0.0 *       | Rep Stress Incr YES  | Matrix-SH | Horz(CT) 0.00 6 n/a n/a |               |          |
| BCDL 10.0        | Code IRC2021/TPI2014 |           |                         | Weight: 80 lb | FT = 20% |

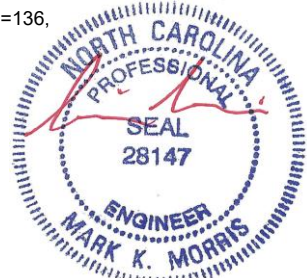
| LUMBER-               | BRACING-                                                                                                                                           |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| TOP CHORD 2x4 SP No.2 | TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.                                                    |
| BOT CHORD 2x4 SP No.3 | BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.                                                                                     |
| WEBS 2x4 SP No.3      | WEBS 1 Row at midpt 4-7                                                                                                                            |
| OTHERS 2x4 SP No.3    | MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide. |

**REACTIONS.** All bearings 13-8-10.  
(lb) - Max Horz 1=219(LC 12)  
Max Uplift All uplift 100 lb or less at joint(s) 6 except 1=-136(LC 10), 8=-185(LC 12), 9=-131(LC 12)  
Max Grav All reactions 250 lb or less at joint(s) 1, 6 except 7=513(LC 19), 8=523(LC 19), 9=285(LC 19)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 1-2=-312/210  
WEBS 3-8=-293/244

- NOTES-** (8)
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-4-4 to 5-1-13, Exterior(2R) 5-1-13 to 9-8-10, Exterior(2E) 9-8-10 to 13-6-14 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
  - Gable requires continuous bottom chord bearing.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6 except (jt=lb) 1=136, 8=185, 9=131.

**LOAD CASE(S)** Standard

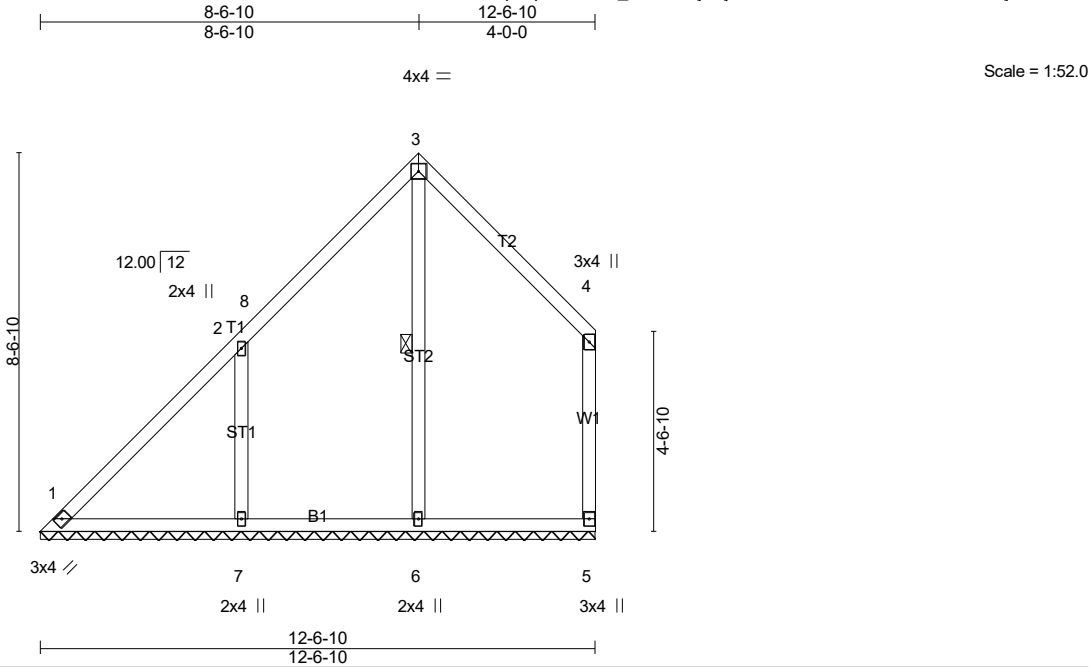


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|             |       |            |     |     |                                                       |
|-------------|-------|------------|-----|-----|-------------------------------------------------------|
| Job         | Truss | Truss Type | Qty | Ply | LOT 0.0024 CAMPBELL RIDGE   81 PINON DRIVE ANGIER, NC |
| 25-3580-R01 | VT04  | Valley     | 1   | 1   | Job Reference (optional) <b># 58814</b>               |

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| LOADING (psf)    | SPACING-             | CSI.      | DEFL.                   | PLATES        | GRIP     |
|------------------|----------------------|-----------|-------------------------|---------------|----------|
| TCLL (roof) 20.0 | 2-0-0                | TC 0.23   | in (loc) l/defl L/d     | MT20          | 244/190  |
| Snow (Pf) 20.0   | Plate Grip DOL 1.25  | BC 0.44   | Vert(LL) n/a - n/a 999  |               |          |
| TCDL 10.0        | Lumber DOL 1.25      | WB 0.11   | Vert(CT) n/a - n/a 999  |               |          |
| BCLL 0.0 *       | Rep Stress Incr YES  | Matrix-SH | Horz(CT) 0.00 5 n/a n/a |               |          |
| BCDL 10.0        | Code IRC2021/TPI2014 |           |                         | Weight: 69 lb | FT = 20% |

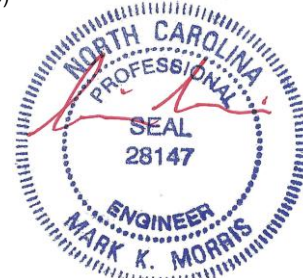
| LUMBER-               | BRACING-                                                                                                                                           |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| TOP CHORD 2x4 SP No.2 | TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.                                                    |
| BOT CHORD 2x4 SP No.3 | BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.                                                                                     |
| WEBS 2x4 SP No.3      | WEBS 1 Row at midpt 3-6                                                                                                                            |
| OTHERS 2x4 SP No.3    | MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide. |

**REACTIONS.** All bearings 12-6-10.  
(lb) - Max Horz 1=183(LC 12)  
Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 7=-206(LC 12)  
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 6=500(LC 19), 7=504(LC 19)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
WEBS 2-7=-310/255

**NOTES-** (8)  
1) Unbalanced roof live loads have been considered for this design.  
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-4-4 to 5-1-13, Exterior(2R) 5-1-13 to 8-6-10, Exterior(2E) 8-6-10 to 12-4-14 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60  
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10  
4) Gable requires continuous bottom chord bearing.  
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.  
6) \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.  
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 7=206.

**LOAD CASE(S)** Standard



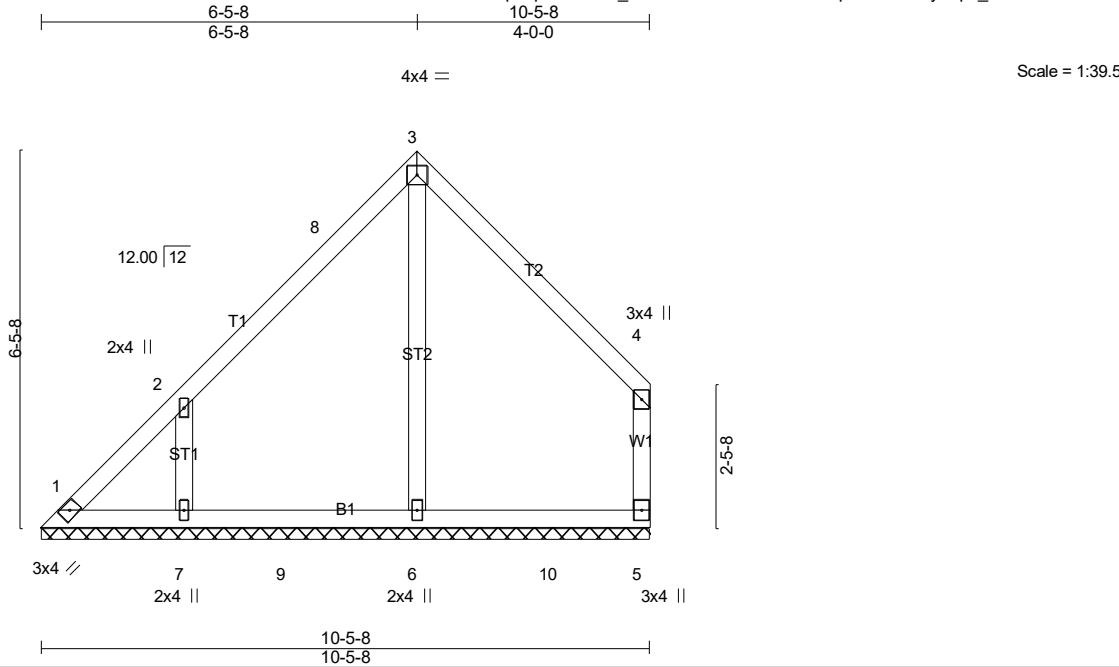
4/24/2025

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|             |       |            |     |     |                                                       |
|-------------|-------|------------|-----|-----|-------------------------------------------------------|
| Job         | Truss | Truss Type | Qty | Ply | LOT 0.0024 CAMPBELL RIDGE   81 PINON DRIVE ANGIER, NC |
| 25-3580-R01 | VT06  | Valley     | 1   | 1   | Job Reference (optional) # 58814                      |

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| LOADING (psf)    | SPACING-             | CSI.      | DEFL.                   | PLATES        | GRIP     |
|------------------|----------------------|-----------|-------------------------|---------------|----------|
| TCLL (roof) 20.0 | 2-0-0                | TC 0.18   | in (loc) l/defl L/d     | MT20          | 244/190  |
| Snow (Pf) 20.0   | Plate Grip DOL 1.25  | BC 0.35   | Vert(LL) n/a - n/a 999  |               |          |
| TCDL 10.0        | Lumber DOL 1.25      | WB 0.15   | Vert(CT) n/a - n/a 999  |               |          |
| BCLL 0.0 *       | Rep Stress Incr YES  | Matrix-SH | Horz(CT) 0.00 5 n/a n/a |               |          |
| BCDL 10.0        | Code IRC2021/TPI2014 |           |                         | Weight: 52 lb | FT = 20% |

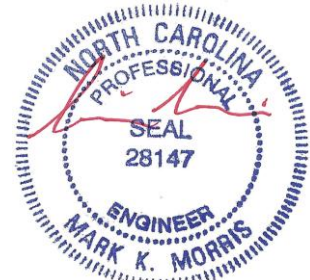
| LUMBER-               | BRACING-                                                                                                                                           |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| TOP CHORD 2x4 SP No.2 | TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.                                                    |
| BOT CHORD 2x4 SP No.3 | BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.                                                                                     |
| WEBS 2x4 SP No.3      |                                                                                                                                                    |
| OTHERS 2x4 SP No.3    | MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide. |

**REACTIONS.** All bearings 10-5-8.  
(lb) - Max Horz 1=120(LC 12)  
Max Uplift All uplift 100 lb or less at joint(s) 1, 5, 6 except 7=-162(LC 12)  
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 6=461(LC 19), 7=349(LC 19)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
WEBS 2-7=-254/225

- NOTES-** (8)
- 1) Unbalanced roof live loads have been considered for this design.
  - 2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TC DL=5.0psf; BC DL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-4-4 to 5-1-13, Exterior(2R) 5-1-13 to 6-5-8, Exterior(2E) 6-5-8 to 10-3-12 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
  - 4) Gable requires continuous bottom chord bearing.
  - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 6) \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BC DL = 10.0psf.
  - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5, 6 except (it=lb) 7=162.

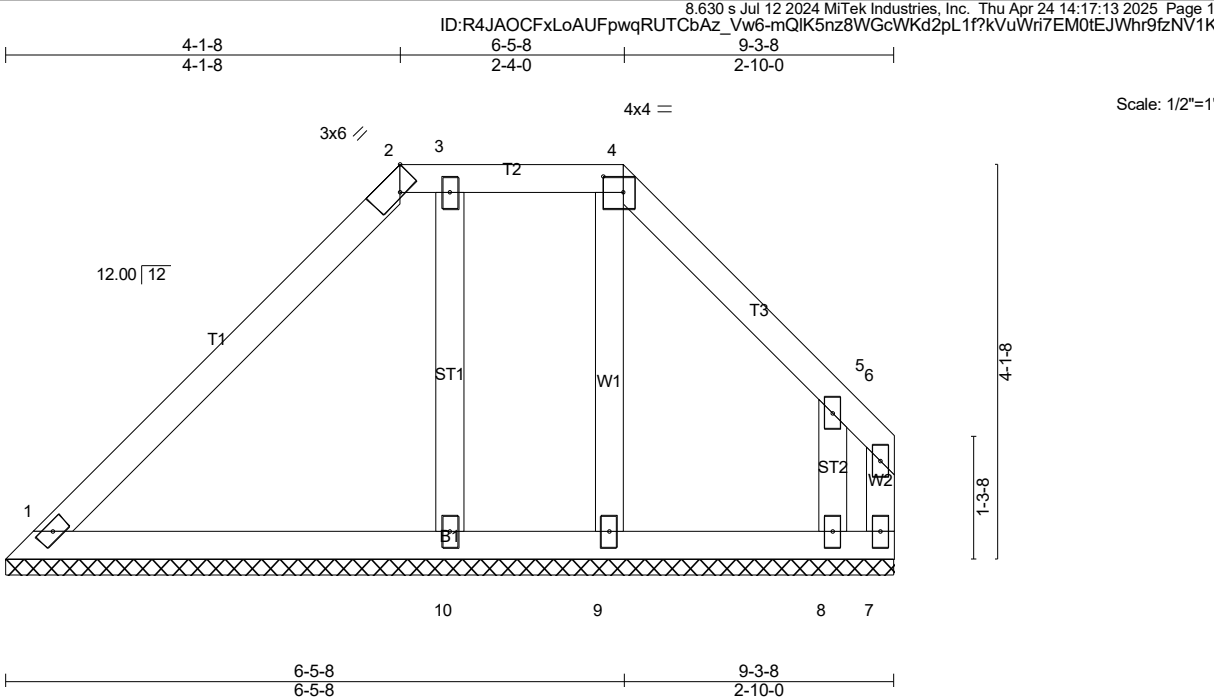
**LOAD CASE(S)** Standard



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-R01 | VT07  | GABLE      | 1   | 1   | Job Reference (optional) # 58814                      |



| Plate Offsets (X,Y)-- [2:0-2-8,Edge], [4:0-2-8,0-2-0] |       |                      |      |           |      |          |        |               |          |
|-------------------------------------------------------|-------|----------------------|------|-----------|------|----------|--------|---------------|----------|
| LOADING (psf)                                         |       | SPACING-             |      | CSI.      |      | DEFL.    |        | PLATES        |          |
| TCLL (roof)                                           | 20.0  | 2-0-0                |      | TC        | 0.19 | in (loc) | l/defl | L/d           | GRIP     |
| Snow (Pf)                                             | 20.0  | Plate Grip DOL       | 1.25 | BC        | 0.26 | n/a      | -      | n/a           | 244/190  |
| TCDL                                                  | 10.0  | Lumber DOL           | 1.25 | WB        | 0.06 | n/a      | -      | n/a           |          |
| BCLL                                                  | 0.0 * | Rep Stress Incr      | YES  | Matrix-SH |      | 0.00     | 7      | n/a           |          |
| BCDL                                                  | 10.0  | Code IRC2021/TPI2014 |      |           |      |          |        |               |          |
|                                                       |       |                      |      |           |      |          |        | Weight: 46 lb | FT = 20% |

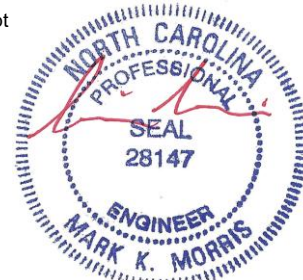
|                |             |                                                                                                                                                    |                                                                                       |
|----------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>LUMBER-</b> |             | <b>BRACING-</b>                                                                                                                                    |                                                                                       |
| TOP CHORD      | 2x4 SP No.2 | TOP CHORD                                                                                                                                          | Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. |
| BOT CHORD      | 2x4 SP No.3 | BOT CHORD                                                                                                                                          | Rigid ceiling directly applied or 10-0-0 oc bracing.                                  |
| WEBS           | 2x4 SP No.3 |                                                                                                                                                    |                                                                                       |
| OTHERS         | 2x4 SP No.3 |                                                                                                                                                    |                                                                                       |
|                |             | MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide. |                                                                                       |

**REACTIONS.** All bearings 9-3-8.  
(lb) - Max Horz 1=72(LC 9)  
Max Uplift All uplift 100 lb or less at joint(s) 1, 7, 10, 9 except 8=107(LC 13)  
Max Grav All reactions 250 lb or less at joint(s) 1, 7, 8, 9 except 10=330(LC 19)

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

- NOTES-** (10)
- 1) Unbalanced roof live loads have been considered for this design.
  - 2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-4-4 to 4-1-8, Exterior(2R) 4-1-8 to 6-5-8, Exterior(2E) 6-5-8 to 9-1-12 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
  - 4) Provide adequate drainage to prevent water ponding.
  - 5) All plates are 2x4 MT20 unless otherwise indicated.
  - 6) Gable requires continuous bottom chord bearing.
  - 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 8) \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
  - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 7, 10, 9 except (jt=lb) 8=107.

**LOAD CASE(S)** Standard



4/24/2025

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