MiTek

Lumber design values are in accordance with ANSI/TPI 1 section 6.3
These truss designs rely on lumber values established by others.

RE: 5263975 -

**MiTek, Inc.**
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200

**Site Information:**
Customer Info: CHRISMILL HOMES Project Name: Wilson-Dempsey Res. Model: Custom
Lot/Block: N/A Subdivision: N/A
Address: TBD, N/A
City: White Springs, State: FL

**Name Address and License # of Structural Engineer of Record, If there is one, for the building.**
Name: License #:
Address:
City: State:

**General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):**
Design Code: FBC2023/TPI2014 Design Program: MiTek 20/20 8.8
Wind Code: ASCE 7-22 Wind Speed: 130 mph
Roof Load: 40.0 psf Floor Load: N/A psf

This package includes 18 individual, Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

| No. | Seal# | Truss Name | Date | No. | Seal# | Truss Name | Date |
|---|---|---|---|---|---|---|---|
| 1 | T40209552 | PB01 | 2/23/26 | 15 | T40209566 | T10G | 2/23/26 |
| 2 | T40209553 | PB01G | 2/23/26 | 16 | T40209567 | T11 | 2/23/26 |
| 3 | T40209554 | T01 | 2/23/26 | 17 | T40209568 | T11G | 2/23/26 |
| 4 | T40209555 | T01G | 2/23/26 | 18 | T40209569 | V01 | 2/23/26 |
| 5 | T40209556 | T02 | 2/23/26 | | | | |
| 6 | T40209557 | T03 | 2/23/26 | | | | |
| 7 | T40209558 | T04 | 2/23/26 | | | | |
| 8 | T40209559 | T05 | 2/23/26 | | | | |
| 9 | T40209560 | T06 | 2/23/26 | | | | |
| 10 | T40209561 | T06G | 2/23/26 | | | | |
| 11 | T40209562 | T07 | 2/23/26 | | | | |
| 12 | T40209563 | T08 | 2/23/26 | | | | |
| 13 | T40209564 | T09 | 2/23/26 | | | | |
| 14 | T40209565 | T10 | 2/23/26 | | | | |

This item has been digitally signed and sealed by ORegan, Philip, PE on the date adjacent to the seal.
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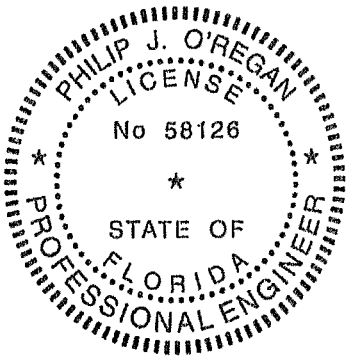
The truss drawing(s) referenced above have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Builders FirstSource-Lake City, FL.

Truss Design Engineer's Name: ORegan, Philip
My license renewal date for the state of Florida is February 28, 2027.

**IMPORTANT NOTE:** The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to MiTek or TRENCO. Any project specific information included is for MiTek's or TRENCO's customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek or TRENCO has not independently verified the applicability of the design parameters or the designs for any particular building. Before use, the building designer should verify applicability of design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.




Philip J. O'Regan PE No.58126
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

February 23,2026

| Job | Truss | Truss Type | Qty | Ply | | |
|---|---|---|---|---|---|---|
| 5263975 | PB01 | Piggyback | 15 | 1 | Job Reference (optional) | T40209552 |

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Fri Feb 20 08:24:05 Page: 1
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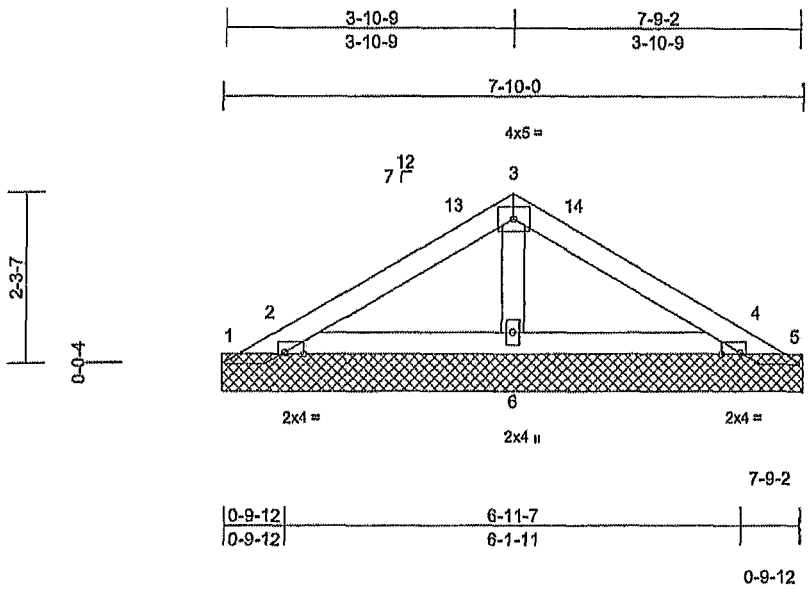


Scale = 1:29.8

Plate Offsets (X, Y): [2.0-3-1,Edge], [4:0-3-1,Edge]

| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.25 | TC | 0.14 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.25 | BC | 0.07 | Vert(TL) | n/a | - | n/a | 999 | | |
| BCLL | 0.0* | Rep Stress Incr | YES | WB | 0.02 | Horiz(TL) | 0.00 | 4 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2023/TPI2014 | Matrix-MP | | | | | | | Weight: 25 lb | FT = 20% |

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

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

**REACTIONS** (size) 1=7-10-0, 2=7-10-0, 4=7-10-0, 5=7-10-0, 6=7-10-0
Max Horiz 1=52 (LC 9)
Max Uplift 1=-126 (LC 19), 2=-132 (LC 12), 4=-123 (LC 13), 5=-102 (LC 20), 6=-19 (LC 12)
Max Grav 1=72 (LC 12), 2=324 (LC 19), 4=298 (LC 20), 5=64 (LC 13), 6=169 (LC 1)

**FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-71/117, 2-3=-83/77, 3-4=-80/71, 4-5=-46/72
BOT CHORD 2-6=-38/48, 4-6=-40/49
WEBS 3-6=-99/36

**NOTES**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=16ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 0-3-11 to 3-3-11, Zone1 3-3-11 to 3-11-0, Zone3 3-11-0 to 7-6-5 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) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Gable requires continuous bottom chord bearing
6) Gable studs spaced at 4-0-0 oc.
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 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 132 lb uplift at joint 2, 123 lb uplift at joint 4, 125 lb uplift at joint 1, 102 lb uplift at joint 5, 19 lb uplift at joint 6, 132 lb uplift at joint 2 and 123 lb uplift at joint 4.
10) 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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Philip J. O'Regan PE No.59126
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

February 23,2026




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16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

| Job | Truss | Truss Type | Qty | Ply | | |
|---|---|---|---|---|---|---|
| 5263975 | PB01G | Piggyback | 2 | 1 | Job Reference (optional) | T40209553 |

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Fri Feb 20 08:24:07 Page: 1
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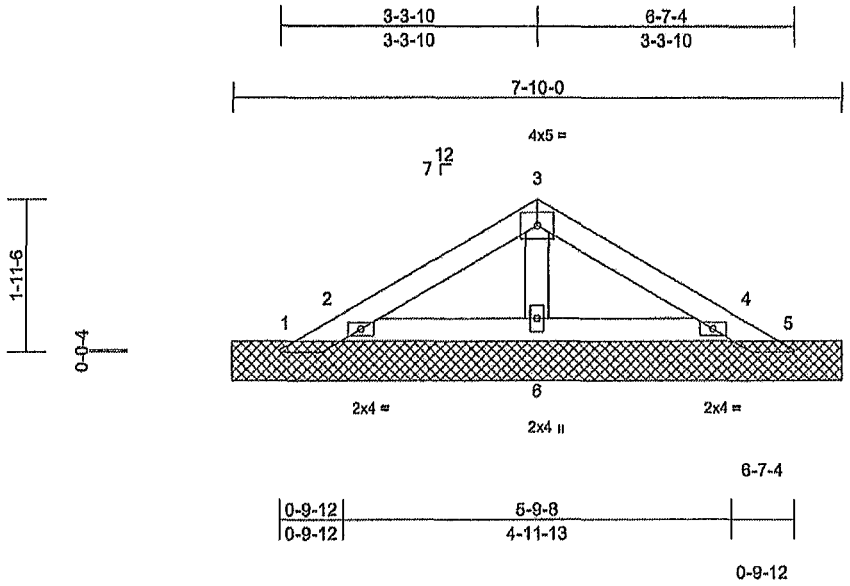


Scale = 1:28.4

| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.25 | TC | 0.09 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.25 | BC | 0.10 | Vert(TL) | n/a | - | n/a | 999 | | |
| BCLL | 0.0* | Rep Stress Incr | YES | WB | 0.04 | Horiz(TL) | 0.00 | 5 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2023/TPI2014 | Matrix-MP | | | | | | | Weight: 21 lb | FT = 20% |

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

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

**REACTIONS** (size) 1=7-10-0, 2=7-10-0, 4=7-10-0, 5=7-10-0, 6=7-10-0
Max Horiz 1=44 (LC 11)
Max Uplift 1=-66 (LC 19), 2=-82 (LC 12), 4=-1 (LC 13), 5=-24 (LC 13), 6=-65 (LC 13)
Max Grav 1=42 (LC 12), 2=193 (LC 25), 4=2 (LC 20), 5=80 (LC 1), 6=303 (LC 1)

**FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 3-4=-36/109, 4-5=-38/32, 1-2=-57/82, 2-3=-46/96
BOT CHORD 2-6=-82/107, 4-6=-82/107
WEBS 3-6=-191/130

**NOTES**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 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) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 4-0-0 oc.
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 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 82 lb uplift at joint 2, 1 lb uplift at joint 4, 65 lb uplift at joint 6, 24 lb uplift at joint 5, 66 lb uplift at joint 1, 82 lb uplift at joint 2 and 1 lb uplift at joint 4
10) 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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Philip J. O'Regan PE No.58126
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

February 23,2026




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16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

| Job | Truss | Truss Type | Qty | Ply | |
|---|---|---|---|---|---|
| 5263975 | T01 | Common | 3 | 1 | T40209554 Job Reference (optional) |

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Fri Feb 20 08:24:07 Page: 1
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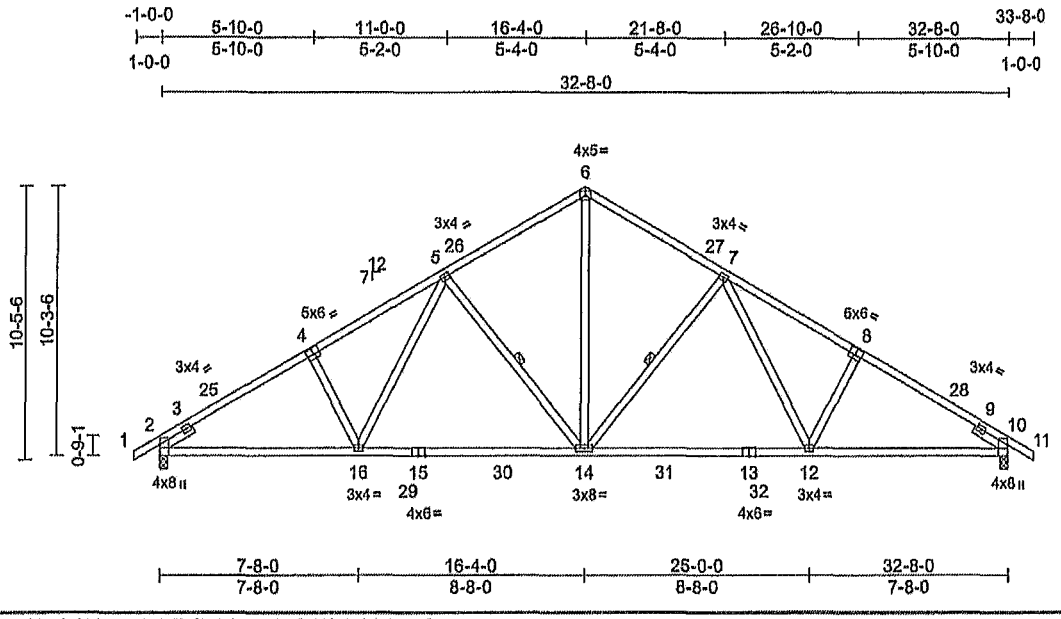


Scale = 1:84.9

Plate Offsets (X, Y): [2:0-5-0,Edge], [4:0-3-0,0-3-0], [8:0-3-0,0-3-0], [10.0-5-0,Edge]

| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.25 | TC | 0.89 | Vert(LL) | -0.26 | 12-14 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.25 | BC | 0.99 | Vert(CT) | -0.45 | 12-14 | >871 | 180 | | |
| BCLL | 0.0* | Rep Stress Incr | YES | WB | 0.51 | Horz(CT) | 0.11 | 10 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2023/TPI2014 | Matrix-MS | | | | | | | Weight: 186 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 -- 1-6-0, Right 2x4 SP No.3 -- 1-6-0

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 5-14, 7-14

**REACTIONS** (size) 2=0-3-8, 10=0-3-8
Max Horiz 2=250 (LC 11)
Max Uplift 2=-327 (LC 12), 10=-327 (LC 13)
Max Grav 2=1565 (LC 19), 10=1565 (LC 20)

**FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/30, 2-5=-2262/496, 5-6=-1542/393, 6-7=-1542/393, 7-10=-2262/497, 10-11=0/30
BOT CHORD 2-16=-462/2043, 14-16=-322/1727, 12-14=-214/1806, 10-12=-294/1855
WEBS 5-16=-135/517, 4-16=-212/189, 5-14=-626/290, 6-14=-267/1223, 7-14=-627/290, 7-12=-135/518, 8-12=-212/189

**NOTES**
1) Unbalanced roof live loads have been considered for this design
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-0-0 to 2-3-3, Zone1 2-3-3 to 16-4-0, Zone2 16-4-0 to 20-11-7, Zone1 20-11-7 to 33-8-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 327 lb uplift at joint 10 and 327 lb uplift at joint 2.

**LOAD CASE(S)** Standard

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MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

February 23,2026




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16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

| Job | Truss | Truss Type | Qty | Ply | |
|---|---|---|---|---|---|
| 5263975 | T01G | Common Supported Gable | 2 | 1 | T40209555 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Fri Feb 20 08:24:07 Page: 1
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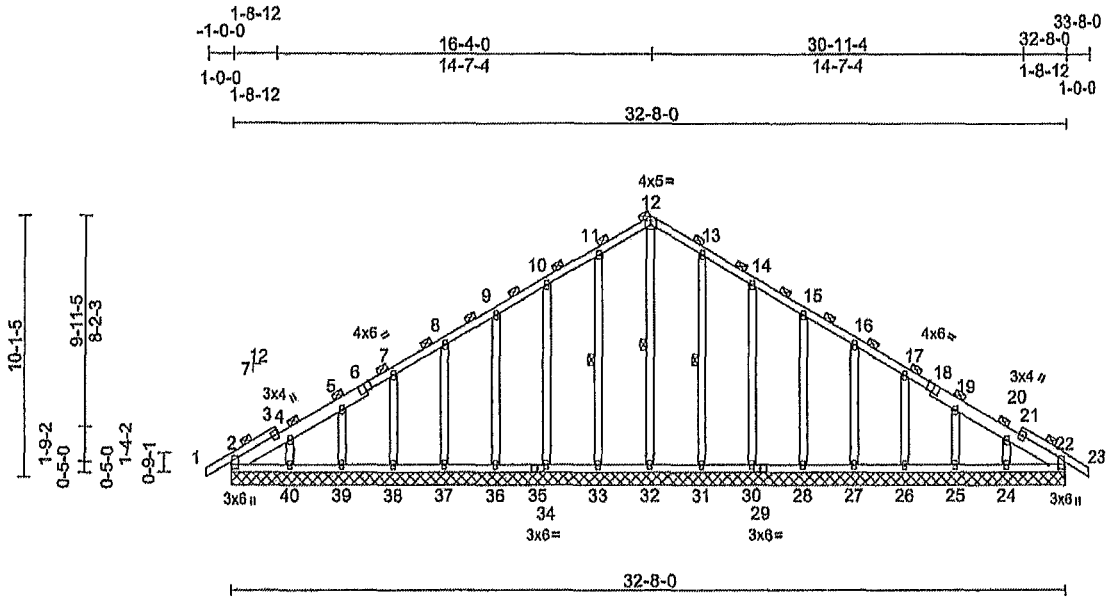


Scale = 1:86.3

Plate Offsets (X, Y): [2.0-2-0,0-0-7], [6.0-3-0,Edge], [18:0-3-0,Edge], [22.0-2-0,0-4-15]

| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.25 | TC | 0.10 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.25 | BC | 0.06 | Vert(CT) | n/a | - | n/a | 999 | | |
| BCLL | 0.0* | Rep Stress Incr | YES | WB | 0.13 | Horz(CT) | 0.01 | 22 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2023/TPI2014 | Matrix-MS | | | | | | | Weight: 236 lb | FT = 20% |

**LUMBER**
TOP CHORD 2x4 SP No.2 *Except* 2-6,18-22 2x6 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

**BRACING**
TOP CHORD 2-0-0 oc purlins (6-0-0 max.).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 12-32, 11-33, 13-31

**REACTIONS** (size) 2=32-8-0, 22=32-8-0, 24=32-8-0, 25=32-8-0, 26=32-8-0, 27=32-8-0, 28=32-8-0, 30=32-8-0, 31=32-8-0, 32=32-8-0, 33=32-8-0, 34=32-8-0, 36=32-8-0, 37=32-8-0, 38=32-8-0, 39=32-8-0, 40=32-8-0
Max Horiz 2=-242 (LC 10)
Max Uplift 2=-62 (LC 8), 22=-15 (LC 9), 24=-97 (LC 13), 25=-66 (LC 13), 26=-78 (LC 13), 27=-74 (LC 13), 28=-74 (LC 13), 30=-79 (LC 13), 31=-67 (LC 13), 33=-71 (LC 12), 34=-78 (LC 12), 36=-74 (LC 12), 37=-74 (LC 12), 38=-81 (LC 12), 39=-80 (LC 12), 40=-103 (LC 12)
Max Grav 2=186 (LC 20), 22=164 (LC 1), 24=190 (LC 20), 25=165 (LC 20), 26=167 (LC 20), 27=168 (LC 20), 28=168 (LC 20), 30=168 (LC 20), 31=173 (LC 20), 32=203 (LC 22), 33=176 (LC 19), 34=167 (LC 19), 36=168 (LC 19), 37=168 (LC 19), 38=171 (LC 19), 39=163 (LC 1), 40=197 (LC 19)

**FORCES** (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/30, 2-4=-199/180, 4-5=-171/156, 5-7=-158/141, 7-8=-137/132, 8-9=-125/151, 9-10=-110/181, 10-11=-117/212, 11-12=-140/236, 12-13=-140/227, 13-14=-117/179, 14-15=-92/130, 15-16=-67/91, 16-17=-65/62, 17-19=-82/51, 19-20=-95/69, 20-22=-140/92, 22-23=0/30
BOT CHORD 2-40=-78/157, 39-40=-78/157, 38-39=-78/157, 37-38=-78/157, 36-37=-78/157, 34-36=-78/157, 33-34=-78/157, 32-33=-78/157, 31-32=-78/157, 30-31=-78/157, 28-30=-78/157, 27-28=-78/157, 26-27=-78/157, 25-26=-78/157, 24-25=-78/157, 22-24=-78/157
WEBS 12-32=-178/63, 11-33=-136/83, 10-34=-127/90, 9-36=-128/86, 8-37=-128/86, 7-38=-129/91, 5-39=-125/80, 4-40=-137/87, 13-31=-133/79, 14-30=-128/91, 15-28=-128/86, 16-27=-128/87, 17-26=-126/88, 19-25=-129/84, 20-24=-138/88

**NOTES**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Enclosed, MWFRS (envelope) exterior (2) zone and C-C Zone3 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) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) All plates are 2x4 (||) MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
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 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 15 lb uplift at joint 22, 62 lb uplift at joint 2, 71 lb uplift at joint 33, 78 lb uplift at joint 34, 74 lb uplift at joint 36, 74 lb uplift at joint 37, 81 lb uplift at joint 38, 60 lb uplift at joint 39, 103 lb uplift at joint 40, 67 lb uplift at joint 31, 79 lb uplift at joint 30, 74 lb uplift at joint 28, 74 lb uplift at joint 27, 78 lb uplift at joint 26, 66 lb uplift at joint 25, 97 lb uplift at joint 24, 15 lb uplift at joint 22 and 62 lb uplift at joint 2.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

**LOAD CASE(S)** Standard

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Date:

February 23,2026




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Chesterfield, MO 63017
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| Job | Truss | Truss Type | Qty | Ply | | |
|---|---|---|---|---|---|---|
| 5263975 | T02 | Common | 1 | 1 | Job Reference (optional) | T40209556 |

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Fri Feb 20 08:24:08 Page: 1
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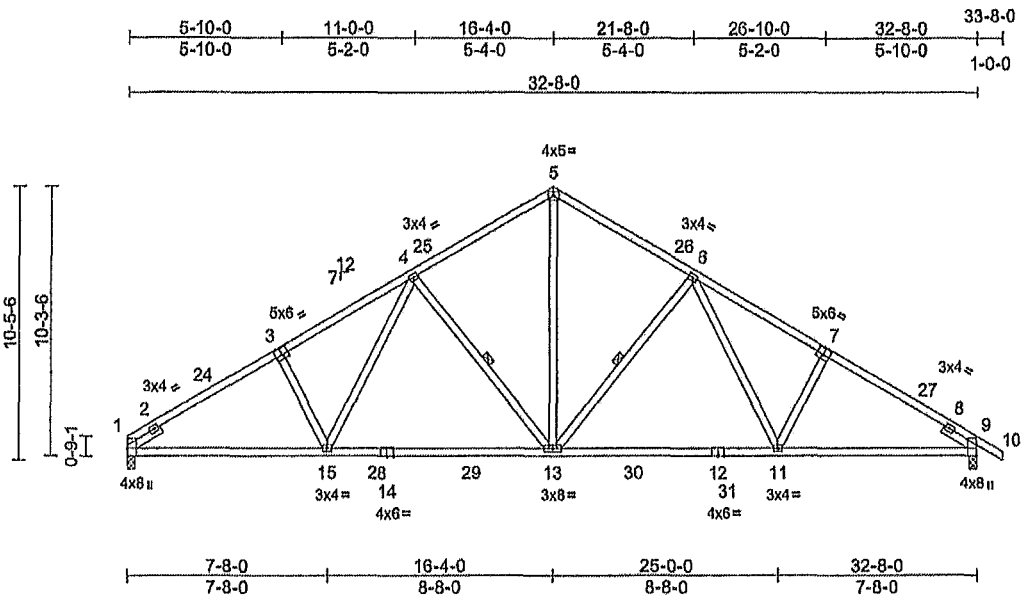


Scale = 1:84.9

Plate Offsets (X, Y): [1.0-3-8,Edge], [3:0-3-0,0-3-0], [7:0-3-0,0-3-0], [9:0-5-0,Edge]

| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.25 | TC | 0.90 | Vert(LL) | -0.26 | 11-13 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.25 | BC | 0.99 | Vert(CT) | -0.45 | 11-13 | >871 | 180 | | |
| BCLL | 0.0* | Rep Stress Incr | YES | WB | 0.51 | Horz(CT) | 0.11 | 9 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2023/TPI2014 | Matrix-MS | | | | | | | Weight: 184 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 -- 1-6-0, Right 2x4 SP No.3 -- 1-6-0

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing, Except:
8-7-12 oc bracing 1-15
WEBS 1 Row at midpt 4-13, 6-13

**REACTIONS** (size) 1=0-3-8, 9=0-3-8
Max Horiz 1=-245 (LC 8)
Max Uplift 1=-302 (LC 12), 9=-327 (LC 13)
Max Grav 1=1608 (LC 19), 9=1566 (LC 20)

**FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-4=-2268/499, 4-5=-1543/393, 5-6=-1544/393, 6-9=-2263/497, 9-10=0/30
BOT CHORD 1-15=-465/2050, 13-15=-323/1729, 11-13=-215/1608, 9-11=-294/1856
WEBS 4-15=-137/523, 3-15=-216/190, 4-13=-629/291, 5-13=-267/1224, 6-13=-627/290, 6-11=-135/518, 7-11=-212/189

**NOTES**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=16ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 0-0-0 to 3-3-3, Zone1 3-3-3 to 16-4-0, Zone2 16-4-0 to 20-11-7, Zone1 20-11-7 to 33-8-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 302 lb uplift at joint 1 and 327 lb uplift at joint 9.

**LOAD CASE(S)** Standard

This item has been digitally signed and sealed by ORegan, Philip, PE on the date indicated here. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Philip J. O'Regan PE No.83126
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

February 23,2026




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16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

| Job | Truss | Truss Type | Qty | Ply | | |
|---|---|---|---|---|---|---|
| 5263975 | T03 | Attic | 3 | 1 | Job Reference (optional) | T40209557 |

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, Run: 8.63 S Jan 22 2026 Print: 8.630 S Jan 22 2026 MiTek Industries, Inc Fri Feb 20 08:24:08 Page: 1
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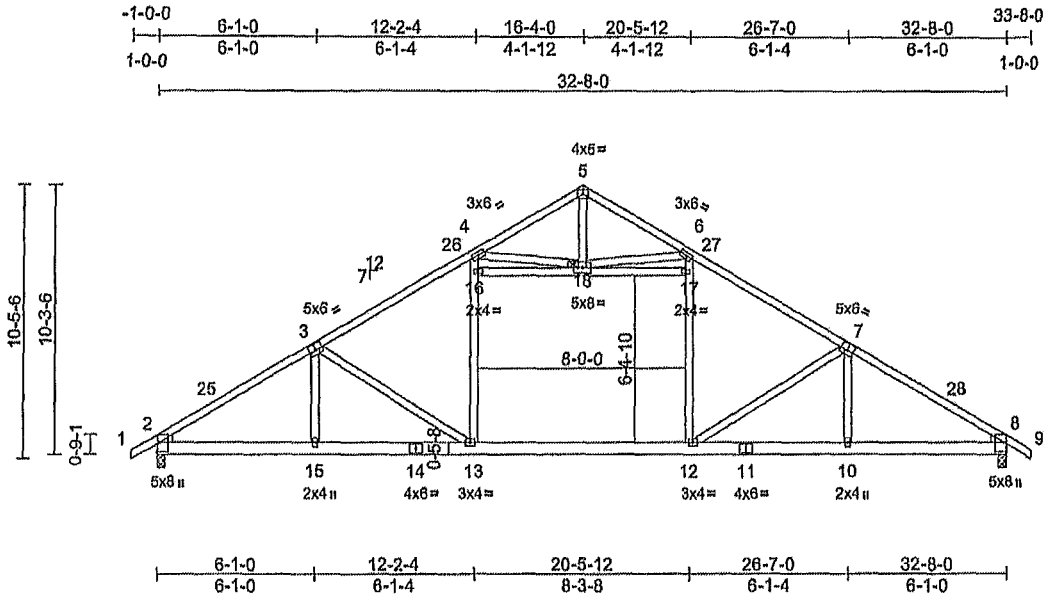


Scale = 1:84.9

Plate Offsets (X, Y): [2.Edge,0-0-14], [3:0-3-0,0-3-0], [7:0-3-0,0-3-0], [8 Edge,0-0-14]

| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.25 | TC | 0.45 | Vert(LL) | -0.26 | 10-12 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.25 | BC | 0.94 | Vert(CT) | -0.35 | 10-12 | >999 | 180 | | |
| BCLL | 0.0* | Rep Stress Incr | YES | WB | 0.76 | Horz(CT) | 0.07 | 8 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2023/TPI2014 | Matrix-MS | | Attic | -0.21 | 12-13 | >470 | 360 | Weight: 218 lb | FT = 20% |

**LUMBER**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3
WEDGE Left: 2x4 SP No.3
Right. 2x4 SP No.3

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 3-5-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except.
2-2-0 oc bracing: 12-13.
JOINTS 1 Brace at Jt(s): 18

**REACTIONS** (size) 2=0-3-8, 8=0-3-8
Max Horiz 2=-250 (LC 10)
Max Uplift 2=-253 (LC 12), 8=-253 (LC 13)
Max Grav 2=1640 (LC 20), 8=1640 (LC 21)

**FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/30, 2-4=-2495/351, 4-5=-611/75, 5-6=-611/75, 6-8=-2496/352, 8-9=0/30
BOT CHORD 2-15=-373/2257, 13-15=-373/2256, 12-13=-115/1961, 10-12=-205/2070, 8-10=-205/2070
WEBS 12-17=-35/658, 6-17=-23/698, 13-16=-35/658, 4-16=-24/698, 16-18=-200/164, 17-18=-200/164, 5-18=-9/378, 4-18=-1509/356, 6-18=-1509/356, 3-15=-140/161, 3-13=-451/295, 7-10=-141/161, 7-12=-451/296

**NOTES**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat II, Exp B, Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-0-0 to 2-3-3, Zone1 2-3-3 to 16-4-0, Zone2 16-4-0 to 20-11-7, Zone1 20-11-7 to 33-8-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
6) Ceiling dead load (10.0 psf) on member(s). 16-18, 17-18
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room 12-13
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 253 lb uplift at joint 8 and 253 lb uplift at joint 2.
9) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.

**LOAD CASE(S)** Standard

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Philip J. O'Regan PE No.68126
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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

February 23,2026




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314.434.1200 / MiTek-US.com

| Job | Truss | Truss Type | Qty | Ply | | |
|---|---|---|---|---|---|---|
| 5263975 | T04 | Roof Special | 4 | 1 | Job Reference (optional) | T40209558 |

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Fri Feb 20 08:24:08 Page: 1
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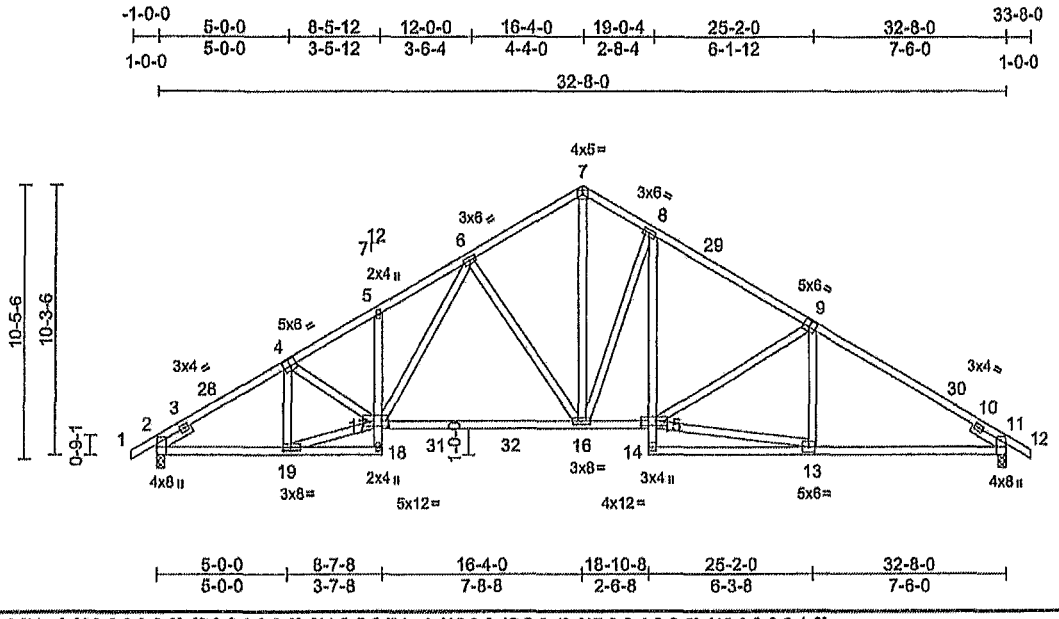


Scale = 1:84.9

Plate Offsets (X, Y): [2:0-3-8,Edge], [4:0-3-0,0-3-0], [9.0-3-0,0-3-0], [11 0-5-0,Edge], [15:0-6-12,0-2-4], [17:0-3-4,0-2-8], [19.0-3-8,0-1-8]

| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.25 | TC | 0.95 | Vert(LL) | -0.25 | 16-17 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.25 | BC | 0.92 | Vert(CT) | -0.45 | 16-17 | >863 | 180 | | |
| BCLL | 0.0* | Rep Stress Incr | YES | WB | 0.83 | Horz(CT) | 0.13 | 11 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2023/TPI2014 | Matrix-MS | | | | | | | Weight: 220 lb | FT = 20% |

**LUMBER**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except* 18-5,8-14,2x4 SP No.3
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 -- 1-6-0, Right 2x4 SP No.3 -- 1-6-0

**BRACING**
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.

**REACTIONS** (size) 2=0-3-8, 11=0-3-8
Max Horiz 2=-250 (LC 10)
Max Uplift 2=-327 (LC 12), 11=-327 (LC 13)
Max Grav 2=1539 (LC 19), 11=1527 (LC 20)

**FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/30, 2-5=-2513/546, 5-6=-2567/626, 6-7=-1614/396, 7-8=-1614/425, 8-11=-2162/446, 11-12=0/30
BOT CHORD 2-19=-467/1993, 18-19=-35/59, 17-18=0/91, 5-17=-239/131, 16-17=-331/1848, 15-16=-203/1609, 14-15=0/115, 8-15=-145/485, 13-14=-3/189, 11-13=-265/1763
WEBS 4-17=0/359, 8-16=-686/297, 13-15=-270/1601, 9-15=-350/225, 9-13=-137/87, 7-16=-339/1415, 6-16=-731/306, 6-17=-267/952, 4-19=-524/160, 17-19=-451/2049

**NOTES**
1) Unbalanced roof live loads have been considered for this design
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=16ft; Cat II, Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-0-0 to 2-3-3, Zone1 2-3-3 to 16-4-0, Zone2 16-4-0 to 20-11-7, Zone1 20-11-7 to 33-8-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component
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 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 327 lb uplift at joint 2 and 327 lb uplift at joint 11.

**LOAD CASE(S)** Standard

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Philip J. O'Regan PE No.53126
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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

February 23,2026




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Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

| Job | Truss | Truss Type | Qty | Ply | |
|---|---|---|---|---|---|
| 5263975 | T05 | Roof Special | 2 | 1 | T40209559 Job Reference (optional) |

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Fri Feb 20 08:24:09 Page: 1
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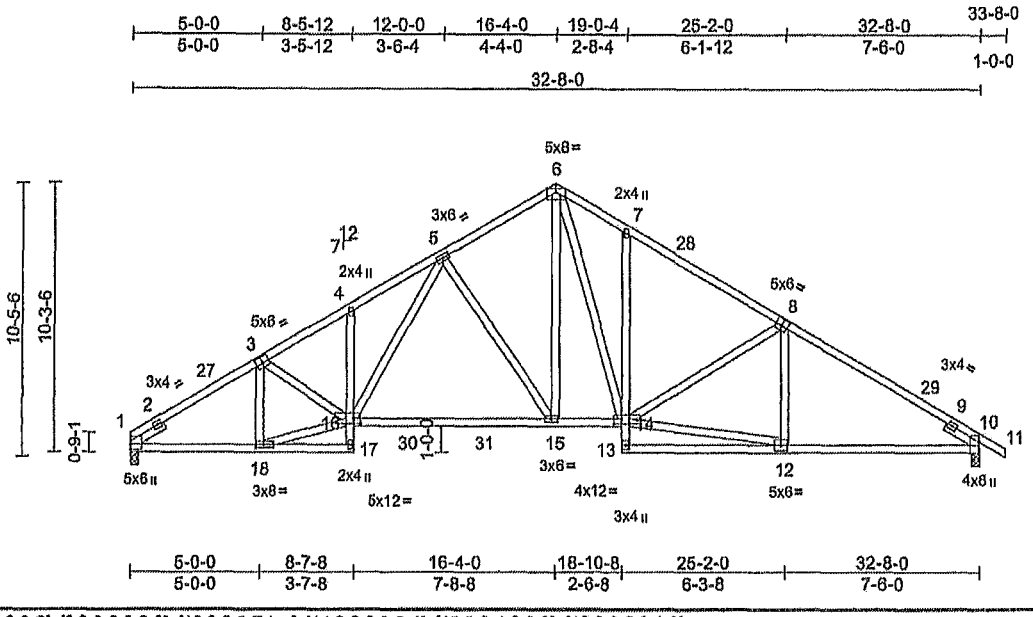


Scale = 1:84.9

Plate Offsets (X, Y): [3:0-3-0,0-3-0], [8:0-3-0,0-3-0], [10:0-5-0,Edge], [14:0-3-8,0-2-4], [16:0-3-4,0-2-8], [18:0-3-8,0-1-8]

| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | In | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.25 | TC | 0.95 | Vert(LL) | -0.24 | 15-16 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.25 | BC | 0.90 | Vert(CT) | -0.45 | 15-16 | >870 | 180 | | |
| BCLL | 0.0* | Rep Stress Incr | YES | WB | 0.84 | Horz(CT) | 0.12 | 10 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2023/TPI2014 | Matrix-MS | | | | | | | Weight: 220 lb | FT = 20% |

**LUMBER**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except* 17-4,7-13:2x4 SP No.3
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 -- 1-6-0, Right 2x4 SP No.3 -- 1-6-0

**BRACING**
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

**REACTIONS** (size) 1=0-3-8, 10=0-3-8
Max Horiz 1=-245 (LC 8)
Max Uplift 1=-302 (LC 12), 10=-327 (LC 13)
Max Grav 1=1481 (LC 19), 10=1528 (LC 20)

**FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-4=-2519/548, 4-5=-2571/628, 5-6=-1615/397, 6-7=-1852/510, 7-10=-2163/446, 10-11=0/30
BOT CHORD 1-18=-470/2003, 17-18=-34/57, 16-17=0/90, 4-16=-235/130, 15-16=-332/1851, 14-15=-160/1440, 13-14=0/115, 7-14=-297/190, 12-13=-2/182, 10-12=-266/1764
WEBS 6-14=-348/809, 12-14=-270/1605, 8-14=-351/225, 8-12=-133/86, 6-15=-215/948, 5-15=-736/308, 5-16=-268/955, 3-16=0/353, 3-18=-523/159, 16-18=-455/2061

**NOTES**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph, TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II, Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 0-0-0 to 3-3-3, Zone1 3-3-3 to 16-4-0, Zone2 16-4-0 to 20-11-7, Zone1 20-11-7 to 33-8-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 302 lb uplift at joint 1 and 327 lb uplift at joint 10.

**LOAD CASE(S)** Standard

This item has been digitally signed and sealed by ORegan, Philip, PE on the date indicated here. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Philip J. O'Regan PE No.55126
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

February 23,2026

| Job | Truss | Truss Type | Qty | Ply | | |
|---|---|---|---|---|---|---|
| 5263975 | T06 | Attic | 2 | 1 | Job Reference (optional) | T40209560 |

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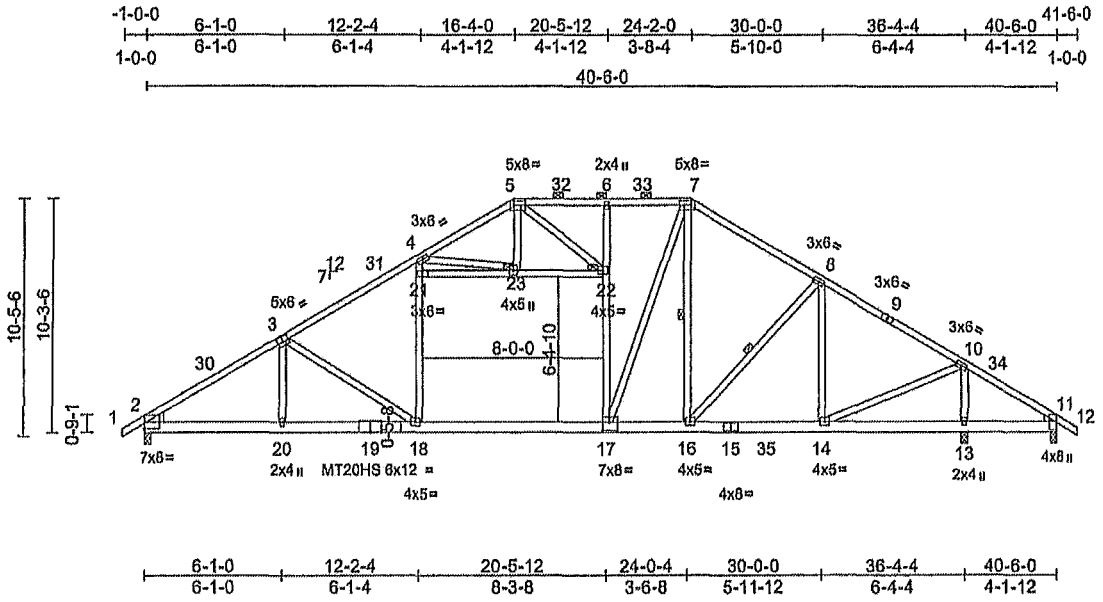


Scale = 1:97.8

Plate Offsets (X, Y): [3,0-3-0,0-3-0], [5:0-6-0,0-2-4], [7:0-6-0,0-2-4], [11:Edge,0-0-14], [17:0-3-8,0-4-8]

| Loading | (psf) | Spacing | 2-2-0 | CSI | | DEFL | In | (loc) | I/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.25 | TC | 0.86 | Vert(LL) | -0.53 | 18-20 | >820 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.25 | BC | 0.96 | Vert(CT) | -0.95 | 18-20 | >459 | 180 | MT20HS | 187/143 |
| BCLL | 0.0* | Rep Stress Incr | NO | WB | 0.85 | Horz(CT) | 0.07 | 11 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2023/TPI2014 | Matrix-MS | | Attic | -0.29 | 17-18 | >347 | 360 | Weight: 303 lb | FT = 20% |

**LUMBER**

TOP CHORD 2x4 SP No.2 *Except* 3-5:2x4 SP No.1
BOT CHORD 2x6 SP 2400F 2.0E or 2x6 SP M 26 *Except* 15-11:2x6 SP No.2
WEBS 2x4 SP No.3 *Except* 4-18:2x4 SP No.1, 6-17,16-7:2x4 SP No.2
WEDGE Left 2x6 SP No.2
Right 2x4 SP No.3

**BRACING**

TOP CHORD *Structural wood sheathing directly applied or* 2-7-9 oc purlins, except
2-0-0 oc purlins (3-1-12 max.): 5-7.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
9-9-4 oc bracing: 17-18
8-5-2 oc bracing: 16-17
WEBS *1 Row at midpt* 7-16, 8-16
JOINTS 1 Brace at Jt(s): 22, 23

**REACTIONS** (size) 2=0-3-8, 11=0-3-8, 13=0-3-8
Max Horiz 2=-271 (LC 10)
Max Uplift 2=-352 (LC 12), 11=-240 (LC 12), 13=-392 (LC 13)
Max Grav *2=2206 (LC 20), 11=811 (LC 20),* 13=1849 (LC 29)

**FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/33, 2-4=-3480/532, 4-6=-1840/316, 6-8=-2226/410, 6-7=-2307/437, 7-8=-2261/390, 8-10=-2360/397, 10-11=-1166/383, 11-12=0/33
BOT CHORD 2-20=-535/3119, 18-20=-535/3123, 17-18=-213/2407, 16-17=-122/1877, 14-16=-221/2008, 13-14=-284/989, 11-13=-284/989
WEBS 18-21=-2/495, 4-21=0/498, 17-22=-161/193, 6-22=-382/166, 7-17=-225/1387, 7-16=-342/112, 8-16=-235/179, 21-23=-187/672, 22-23=-777/142, 3-20=-69/336, 3-18=-772/361, 8-14=-367/154, 10-14=-186/1450, 10-13=-1644/402, 5-23=-4/244, 5-22=-168/822, 4-23=-1458/324

**NOTES**

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph, TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-0-0 to 3-0-10, Zone1 3-0-10 to 16-4-0, Zone2 16-4-0 to 22-0-12, Zone1 22-0-12 to 24-2-0, Zone2 24-2-0 to 30-0-0, Zone1 30-0-0 to 41-6-0 zone; porch right exposed,C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding
5) All plates are MT20 plates unless otherwise indicated.
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 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Ceiling dead load (10.0 psf) on member(s). 21-23, 22-23
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 17-18
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 240 lb uplift at joint 11, 352 lb uplift at joint 2 and 392 lb uplift at joint 13.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE

**LOAD CASE(S)** Standard

This item has been digitally signed and sealed by ORegan, Philip, PE on the date indicated here. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Philip J. O'Regan PE No.58126
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

February 23,2026




MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

| Job | Truss | Truss Type | Qty | Ply | | |
|---|---|---|---|---|---|---|
| 5263975 | T06G | Attic | 1 | 1 | Job Reference (optional) | T40209561 |

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Fri Feb 20 08:24:10 Page 1
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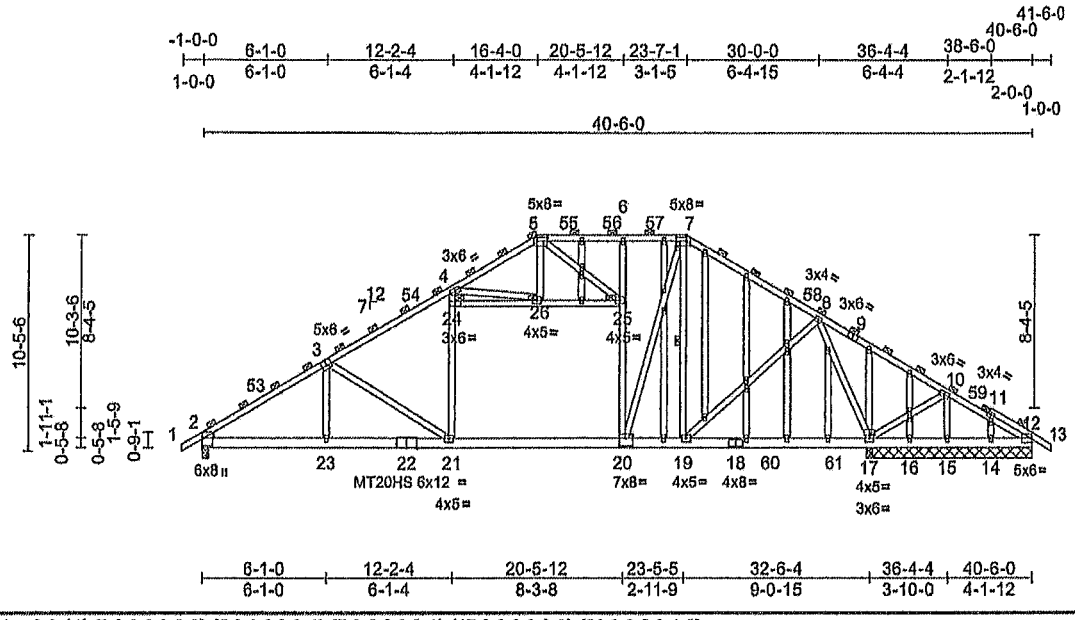





Scale = 1:107.6

Plate Offsets (X, Y): [2:Edge,0-0-14], [3.0-3-0,0-3-0], [5:0-6-0,0-2-4], [7.0-6-0,0-2-4], [17.0-3-0,0-2-0], [20 0-3-8,0-4-8]

| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | In | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.25 | TC | 0.91 | Vert(LL) | -0.50 | 21-23 | >783 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.25 | BC | 0.88 | Vert(CT) | -0.95 | 21-23 | >411 | 180 | MT20HS | 187/143 |
| BCLL | 0.0* | Rep Stress Incr | YES | WB | 0.89 | Horz(CT) | 0.06 | 12 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2023/TPI2014 | Matrix-MS | | Attic | -0.27 | 20-21 | >370 | 360 | Weight: 371 lb | FT = 20% |

**LUMBER**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP 2400F 2.0E or 2x6 SP M 26 *Except* 18-12:2x6 SP No 2
WEBS 2x4 SP No.3 *Except* 4-21:2x4 SP No.1, 6-20,19-7:2x4 SP No.2
OTHERS 2x4 SP No.3
WEDGE Left: 2x4 SP No.3

**BRACING**
TOP CHORD 2-0-0 oc purlins (2-2-0 max.).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except.
9-5-9 oc bracing: 20-21
8-6-8 oc bracing: 19-20
WEBS 1 Row at midpt 7-19
JOINTS 1 Brace at Jt(s): 5, 7, 24, 25, 26

**REACTIONS** (size) 2=0-3-8, 12=8-1-8, 14=8-1-8, 15=8-1-8, 16=8-1-8, 17=8-1-8
Max Horiz 2=-250 (LC 10)
Max Uplift 2=-263 (LC 12), 12=-134 (LC 12), 14=-19 (LC 8), 15=-255 (LC 12), 16=-201 (LC 18), 17=-495 (LC 8)
Max Grav 2=2087 (LC 20), 12=689 (LC 20), 14=50 (LC 3), 15=1340 (LC 20), 16=-14 (LC 8), 17=1028 (LC 29)

**FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/30, 2-4=-3306/378, 4-5=-1650/260, 5-6=-2064/302, 6-7=-2162/321, 7-8=-2127/310, 8-10=-2001/459, 10-12=-1052/223, 12-13=0/30
BOT CHORD 2-23=-396/2960, 21-23=-396/2963, 20-21=-111/2292, 19-20=-73/1819, 17-19=-238/1843, 16-17=-162/913, 15-16=-162/913, 14-15=-162/913, 12-14=-162/913
WEBS 21-24=0/521, 4-24=0/505, 20-25=-150/206, 6-25=-354/143, 7-20=-96/1429, 7-19=-424/17, 8-19=-124/260, 8-17=-984/376, 10-17=-154/935, 24-26=-132/659, 25-26=-792/73, 4-26=-1460/203, 3-23=-57/320, 3-21=-720/322, 5-26=-1/182, 5-25=-54/811, 10-15=-1193/275

**NOTES**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22, Vult=130mph (3-second gust) Vasd=101mph, TCDL=4 2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-0-0 to 3-0-10, Zone1 3-0-10 to 16-4-0, Zone2 16-4-0 to 22-0-12, Zone1 22-0-12 to 23-7-1, Zone2 23-7-1 to 29-3-13, Zone1 29-3-13 to 41-6-0 zone; porch right exposed;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) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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) Gable studs spaced at 2-0-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
11) Ceiling dead load (5.0 psf) on member(s). 24-26, 25-26, Wall dead load (5.0psf) on member(s).21-24, 20-25
12) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 20-21
13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 263 lb uplift at joint 2, 495 lb uplift at joint 17, 255 lb uplift at joint 15, 19 lb uplift at joint 14, 201 lb uplift at joint 16, 134 lb uplift at joint 12 and 134 lb uplift at joint 12.
14) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
15) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.

**LOAD CASE(S)** Standard

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Philip J. O'Regan PE No.58126
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

February 23,2026




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Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

| Job | Truss | Truss Type | Qty | Ply | | |
|---|---|---|---|---|---|---|
| 5263975 | T07 | Piggyback Base | 4 | 1 | Job Reference (optional) | T40209562 |

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Fri Feb 20 08:24:10 Page: 1
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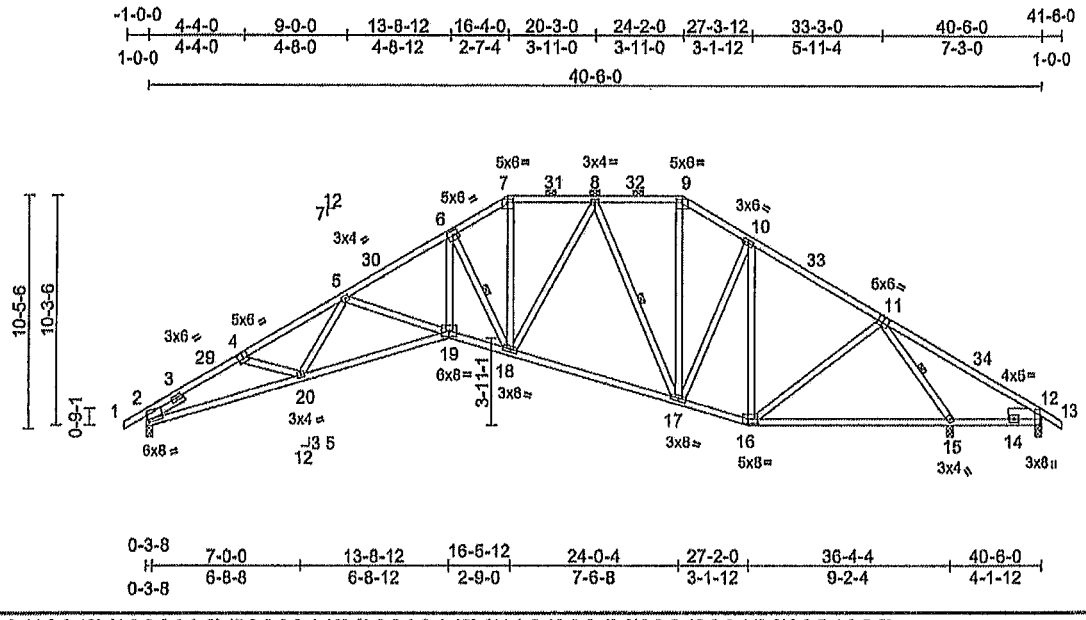


Scale = 1:99 7

Plate Offsets (X, Y): [2.0-0-11,0-3-12], [4.0-3-0,0-3-0], [7 0-3-0,0-1-12], [9:0-3-0,0-1-12], [11:0-2-12,0-3-4], [12:0-2-13,0-0-11], [16·0-5-4,0-2-8]

| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | In | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.25 | TC | 0.81 | Vert(LL) | -0.29 | 19-20 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.25 | BC | 0.92 | Vert(CT) | -0 61 | 19-20 | >719 | 180 | | |
| BCLL | 0.0* | Rep Stress Incr | YES | WB | 0.81 | Horz(CT) | 0.34 | 15 | n/a | n/a | | |
| BCDL | 10 0 | Code | FBC2023/TPI2014 | Matrix-MS | | | | | | | Weight: 263 lb | FT = 20% |

**LUMBER**
TOP CHORD 2x4 SP No.2 *Except* 4-1:2x4 SP 2700F 2.2E or 2x4 SP 2850F 2.0E or 2x4 SP M 31
BOT CHORD 2x4 SP No.2 *Except* 2-19·2x4 SP No.1
WEBS 2x4 SP No 3
SLIDER Left 2x4 SP No.3 -- 2-0-0, Right 2x6 SP No.2 -- 1-6-0

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except 2-0-0 oc purlins (4-4-0 max.): 7-9.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 6-18, 11-15, 8-17

**REACTIONS** (size) 2=0-3-8, 12=0-3-8, 15=0-3-8
Max Horiz 2=-250 (LC 10)
Max Uplift 2=-370 (LC 12), 12=-598 (LC 25), 15=-399 (LC 12)
Max Grav 2=1446 (LC 1), 12=94 (LC 12), 15=2347 (LC 1)

**FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/30, 2-5=-3444/972, 5-6=-3033/787, 6-7=-2057/586, 7-8=-1755/529, 8-9=-1132/426, 9-10=-1365/469, 10-12=-1268/1171, 12-13=0/30
BOT CHORD 2-20=-936/2943, 19-20=-849/3088, 18-19=-587/2651, 17-18=-244/1544, 16-17=-123/1048, 15-16=-192/483, 12-15=-950/444
WEBS 6-19=-476/1833, 6-18=-1758/562, 7-18=-208/839, 9-17=-159/487, 10-17=-170/426, 10-16=-637/127, 11-16=-133/761, 11-15=-2390/484, 4-20=-34/180, 5-20=-22/174, 5-19=-485/265, 8-17=-884/271, 8-18=-170/672

**NOTES**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4 2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B, Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-0-0 to 3-0-10, Zone1 3-0-10 to 16-4-0, Zone2 16-4-0 to 22-0-12, Zone1 22-0-12 to 24-2-0, Zone2 24-2-0 to 29-10-12, Zone1 29-10-12 to 41-6-0 zone; porch right exposed;C-C for members and forces & MWFRS for reactions shown, Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
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 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
7) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 370 lb uplift at joint 2, 598 lb uplift at joint 12 and 399 lb uplift at joint 15.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

**LOAD CASE(S)** Standard

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Philip J. O'Regan PE No.58126
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd, Chesterfield, MO 63017
Date:

February 23,2026




MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

| Job | Truss | Truss Type | Qty | Ply | | |
|---|---|---|---|---|---|---|
| 5263975 | T08 | Piggyback Base | 3 | 1 | Job Reference (optional) | T40209563 |

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

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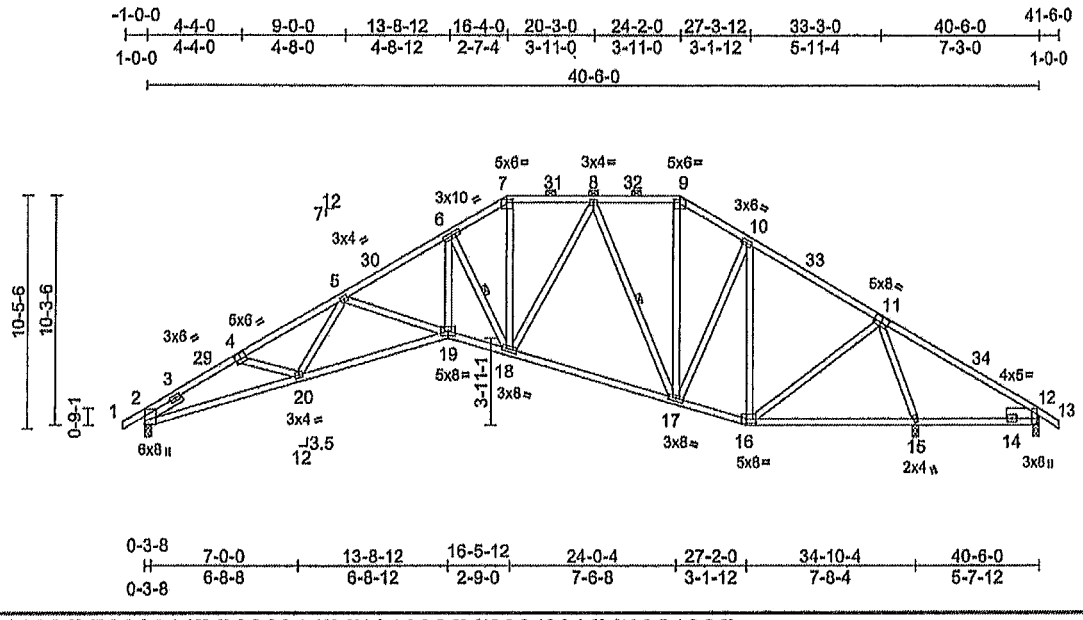


Scale = 1:99.7

Plate Offsets (X, Y): [4 0-3-0,0-3-0], [7:0-3-0,0-1-12], [9:0-3-0,0-1-12], [11:0-4-0,0-3-0], [12.0-2-13,0-1-3], [16 0-5-4,0-2-8]

| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.25 | TC | 0.77 | Vert(LL) | -0.26 | 19-20 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.25 | BC | 0.89 | Vert(CT) | -0.56 | 19-20 | >752 | 180 | | |
| BCLL | 0.0* | Rep Stress Incr | YES | WB | 1.00 | Horz(CT) | 0.31 | 15 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2023/TPI2014 | Matrix-MS | | | | | | | Weight: 262 lb | FT = 20% |

**LUMBER**
TOP CHORD 2x4 SP No.2 *Except* 1-4:2x4 SP 2700F 2.2E or 2x4 SP 2650F 2.0E or 2x4 SP M 31
BOT CHORD 2x4 SP No 2 *Except* 2-19:2x4 SP No 1
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 -- 2-0-0, Right 2x6 SP No.2 -- 1-6-0

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except
2-0-0 oc purlins (4-6-15 max.): 7-9.
BOT CHORD Rigid ceiling directly applied or 3-1-0 oc bracing.
WEBS 1 Row at midpt 6-18, 8-17

**REACTIONS** (size) 2=0-3-8, 12=0-3-8, 15=0-3-8
Max Horiz 2=-250 (LC 10)
Max Uplift 2=-352 (LC 12), 12=-449 (LC 25), 15=-419 (LC 12)
Max Grav 2=1371 (LC 1), 12=95 (LC 12), 15=2236 (LC 1)

**FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/30, 2-5=-3236/922, 5-6=-2772/723, 6-7=-1852/537, 7-8=-1576/486, 8-9=-935/395, 9-10=-1137/432, 10-12=-982/1027, 12-13=0/30
BOT CHORD 2-20=-892/2764, 19-20=-795/2866, 18-19=-530/2417, 17-18=-222/1347, 16-17=-95/786, 15-16=-299/94, 12-15=-826/386
WEBS 6-19=-446/1710, 6-18=-1653/527, 7-18=-184/737, 9-17=-131/370, 10-17=-177/541, 10-16=-784/157, 11-16=-179/1059, 11-15=-2069/452, 4-20=-36/162, 5-20=-3/194, 5-19=-497/268, 8-17=-901/272, 8-18=-175/689

**NOTES**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-0-0 to 3-0-10, Zone1 3-0-10 to 16-4-0, Zone2 16-4-0 to 22-0-12, Zone1 22-0-12 to 24-2-0, Zone2 24-2-0 to 29-10-12, Zone1 29-10-12 to 41-6-0 zone; porch right exposed;C-C for members and forces & MWFRS for reactions shown, Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
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 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members
7) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 352 lb uplift at joint 2, 449 lb uplift at joint 12 and 419 lb uplift at joint 15.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

**LOAD CASE(S)** Standard

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Philip J. O'Regan PE No.59126
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

February 23,2026




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16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

| Job | Truss | Truss Type | Qty | Ply | | |
|---|---|---|---|---|---|---|
| 5263975 | T09 | Piggyback Base | 1 | 1 | Job Reference (optional) | T40209564 |

Builders FirstSource (Lake City,FL), Lake City, FL - 32055. Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Fri Feb 20 08:24:11 Page: 1

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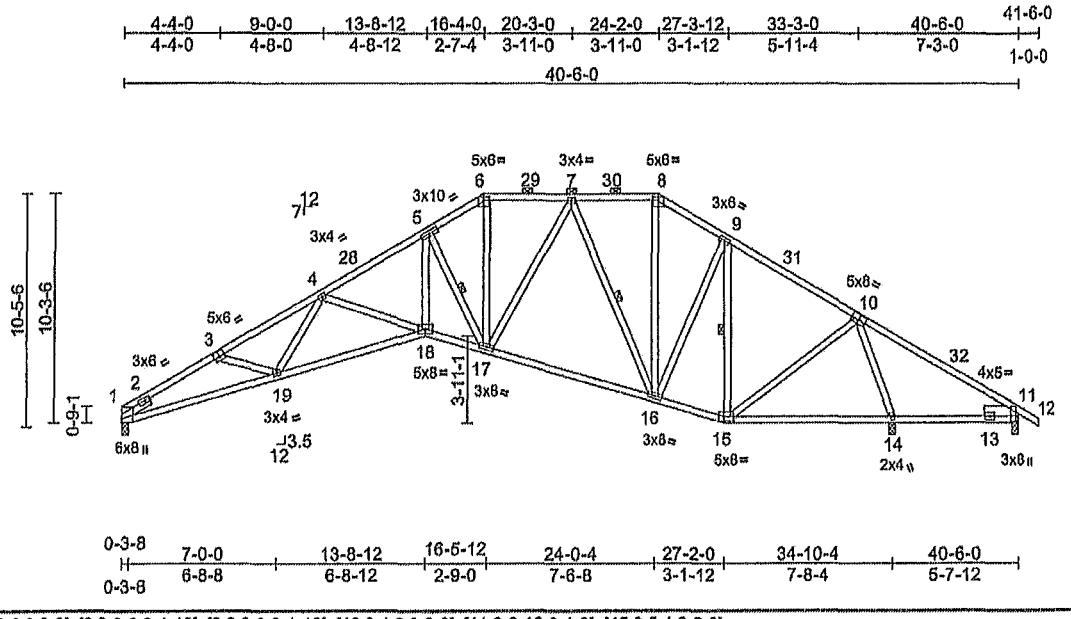


Scale = 1:99.7

Plate Offsets (X, Y): [3:0-3-0,0-3-0], [6:0-3-0,0-1-12], [8:0-3-0,0-1-12], [10.0-4-0,0-3-0], [11:0-2-13,0-1-3], [15.0-5-4,0-2-8]

| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | In | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.25 | TC | 0.78 | Vert(LL) | -0.27 | 18-19 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.25 | BC | 0.90 | Vert(CT) | -0.58 | 18-19 | >722 | 180 | | |
| BCLL | 0.0* | Rep Stress Incr | YES | WB | 1.00 | Horz(CT) | 0.31 | 14 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2023/TPI2014 | Matrix-MS | | | | | | | Weight: 259 lb | FT = 20% |

**LUMBER**

TOP CHORD 2x4 SP No.2 *Except* 1-3:2x4 SP 2700F 2.2E or 2x4 SP 2850F 2.0E or 2x4 SP M 31

BOT CHORD 2x4 SP No.2 *Except* 1-16:2x4 SP No.1

WEBS 2x4 SP No.3

SLIDER Left 2x4 SP No.3 -- 1-6-0, Right 2x6 SP No.2 -- 1-6-0

**BRACING**

TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except 2-0-0 oc purlins (4-7-1 max.): 6-8.

BOT CHORD Rigid ceiling directly applied or 2-6-7 oc bracing.

WEBS 1 Row at midpt 5-17, 9-15, 7-16

**REACTIONS** (size) 1=0-3-8, 11=0-3-8, 14=0-3-8
Max Horiz 1=-246 (LC 8)
Max Uplift 1=-326 (LC 12), 11=-470 (LC 25), 14=-426 (LC 12)
Max Grav 1=1307 (LC 1), 11=102 (LC 12), 14=2264 (LC 1)

**FORCES** (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-4=-3248/921, 4-5=-2764/721, 5-6=-1845/535, 6-7=-1570/484, 7-8=-926/394, 8-9=-1127/431, 9-11=-969/1063, 11-12=0/30

BOT CHORD 1-19=-894/2770, 18-19=-794/2864, 17-18=-526/2411, 16-17=-221/1339, 15-16=-93/774, 14-15=-323/98, 11-14=-857/381

WEBS 5-18=-446/1710, 5-17=-1653/527, 6-17=-182/733, 8-16=-130/364, 9-16=-178/548, 9-15=-792/159, 10-15=-184/1076, 10-14=-2095/460, 3-19=-36/155, 4-19=-2/190, 4-18=-498/268, 7-16=-904/273, 7-17=-176/692

**NOTES**

1) Unbalanced roof live loads have been considered for this design
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 0-0-0 to 4-3-12, Zone1 4-3-12 to 16-4-0, Zone2 16-4-0 to 22-0-12, Zone1 22-0-12 to 24-2-0, Zone2 24-2-0 to 29-10-12, Zone1 29-10-12 to 41-6-0 zone; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component
4) Provide adequate drainage to prevent water ponding.
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 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
7) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 326 lb uplift at joint 1, 470 lb uplift at joint 11 and 426 lb uplift at joint 14.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

**LOAD CASE(S)** Standard

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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

February 23,2026




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Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

| Job | Truss | Truss Type | Qty | Ply | | |
|---|---|---|---|---|---|---|
| 5263975 | T10 | Piggyback Base | 5 | 1 | Job Reference (optional) | T40209565 |

Builders FirstSource (Lake City,FL), Lake City, FL - 32055.

Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Fri Feb 20 08:24:12 Page: 1
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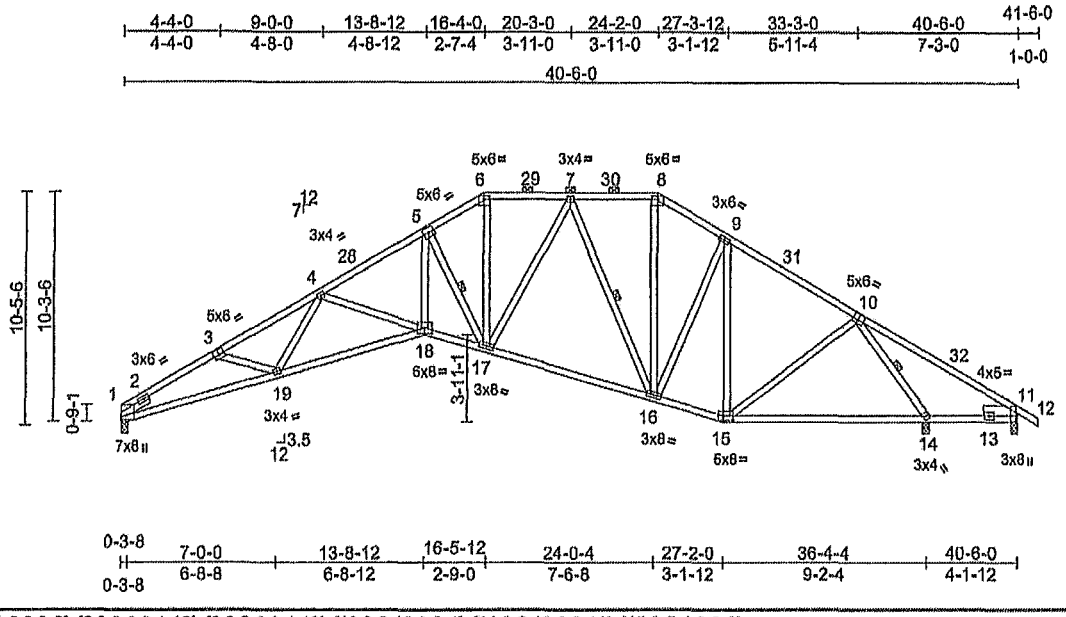


Scale = 1:99.7

Plate Offsets (X, Y): [3:0-3-0,0-3-0], [6:0-3-0,0-1-12], [8:0-3-0,0-1-12], [10:0-2-12,0-3-4], [11:0-2-13,0-0-11], [15:0-5-4,0-2-8]

| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.25 | TC | 0.80 | Vert(LL) | -0.29 | 18-19 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.25 | BC | 0.92 | Vert(CT) | -0.60 | 18-19 | >724 | 180 | | |
| BCLL | 0.0* | Rep Stress Incr | YES | WB | 0.81 | Horz(CT) | 0.33 | 14 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2023/TPI2014 | Matrix-MS | | | | | | | Weight: 260 lb | FT = 20% |

**LUMBER**
TOP CHORD 2x4 SP No.2 *Except* 1-3:2x4 SP 2700F 2.2E or 2x4 SP 2850F 2.0E or 2x4 SP M 31
BOT CHORD 2x4 SP No.2 *Except* 1-18:2x4 SP 2700F 2.2E or 2x4 SP 2850F 2.0E or 2x4 SP M 31
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 -- 1-6-0, Right 2x6 SP No.2 -- 1-6-0

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except
2-0-0 oc purlins (4-4-0 max.) 6-8.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 5-17, 10-14, 7-16

**REACTIONS** (size) 1=0-3-8, 11=0-3-8, 14=0-3-8
Max Horiz 1=-246 (LC 10)
Max Uplift 1=-345 (LC 12), 11=-594 (LC 25), 14=-398 (LC 12)
Max Grav 1=1385 (LC 1), 11=92 (LC 12), 14=2344 (LC 1)

**FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-4=-3474/976, 4-5=-3039/789, 5-6=-2061/587, 6-7=-1769/630, 7-8=-1134/426, 8-9=-1368/468, 9-11=-1271/1165, 11-12=0/30
BOT CHORD 1-19=-942/2987, 18-19=-850/3090, 17-18=-589/2657, 16-17=-245/1547, 15-16=-123/1050, 14-15=-191/485, 11-14=-945/444
WEBS 5-18=-479/1839, 5-17=-1762/654, 6-17=-208/840, 8-16=-160/488, 9-16=-170/426, 9-15=-637/127, 10-15=-132/760, 10-14=-2387/482, 3-19=-35/164, 4-19=-28/169, 4-18=-481/263, 7-16=-885/271, 7-17=-171/673

**NOTES**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 0-0-0 to 4-3-12, Zone1 4-3-12 to 16-4-0, Zone2 16-4-0 to 22-0-12, Zone1 22-0-12 to 24-2-0, Zone2 24-2-0 to 29-10-12, Zone1 29-10-12 to 41-6-0 zone; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
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 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
7) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 345 lb uplift at joint 1, 594 lb uplift at joint 11 and 398 lb uplift at joint 14.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

**LOAD CASE(S)** Standard

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Date:

February 23,2026




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| Job | Truss | Truss Type | Qty | Ply | | |
|---|---|---|---|---|---|---|
| 5263975 | T10G | Piggyback Base | 1 | 1 | Job Reference (optional) | T40209566 |

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Fri Feb 20 08:24.12 Page: 1
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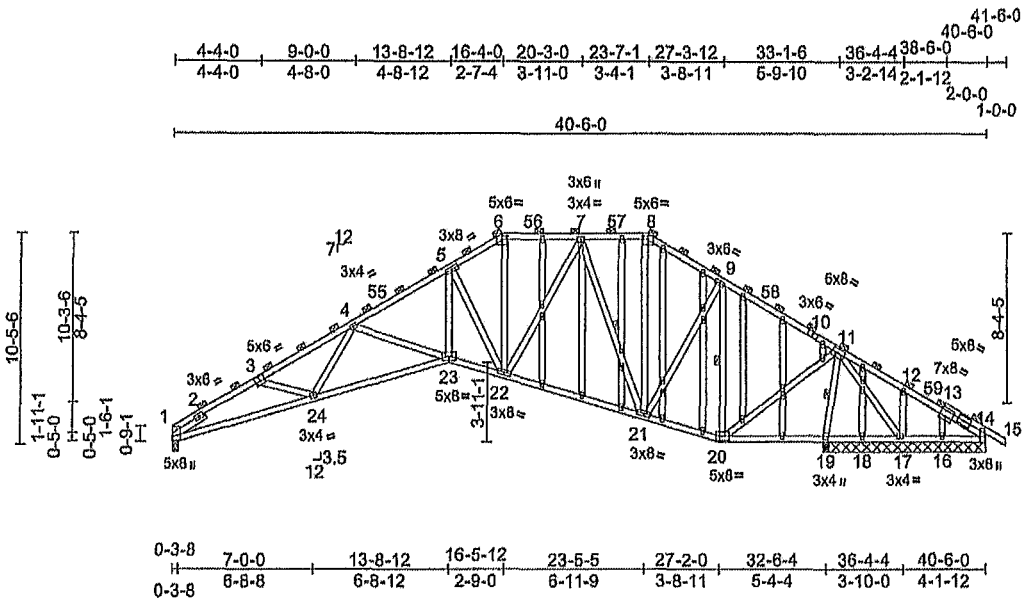


Scale = 1:109.8

Plate Offsets (X, Y): [3.0-3-0,0-3-0], [6:0-3-0,0-1-12], [7:0-2-1,0-1-8], [8:0-3-0,0-1-12], [13.Edge,0-5-0], [14:0-3-8,Edge], [20:0-6-0,0-2-8]

| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.25 | TC | 0.91 | Vert(LL) | -0.22 | 23-24 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.25 | BC | 0.95 | Vert(CT) | -0.48 | 23-24 | >807 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.95 | Horz(CT) | 0.25 | 19 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2023/TPI2014 | Matrix-MS | | | | | | | Weight: 352 lb | FT = 20% |

**LUMBER**
TOP CHORD 2x4 SP No.2 *Except* 1-3:2x4 SP No 1
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3
SLIDER Left 2x4 SP No 3 -- 2-0-0

**BRACING**
TOP CHORD 2-0-0 oc purlins (2-2-0 max.).
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 9-20, 7-21, 11-19

**REACTIONS** (size) 1=0-3-8, 14=8-1-8, 16=8-1-8, 17=8-1-8, 18=8-1-8, 19=0-3-8
Max Horiz 1=-246 (LC 10)
Max Uplift 1=-278 (LC 12), 14=-368 (LC 25), 16=-34 (LC 13), 17=-526 (LC 25), 18=-30 (LC 1), 19=-619 (LC 12)
Max Grav 1=1120 (LC 1), 14=116 (LC 12), 16=169 (LC 1), 17=181 (LC 9), 18=8 (LC 12), 19=2700 (LC 1)

**FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-4=-2709/787, 4-5=-2108/552, 5-6=-1329/403, 6-7=-1119/369, 7-8=-488/296, 8-9=-636/313, 9-11=-367/239, 11-12=-192/878, 12-14=-234/864, 14-15=0/30
BOT CHORD 1-24=-777/2332, 23-24=-651/2311, 22-23=-375/1824, 21-22=-152/842, 20-21=-36/247, 19-20=-1480/461, 18-19=-1111/368, 17-18=-1111/368, 16-17=-701/231, 14-16=-701/231
WEBS 5-23=-364/1404, 5-22=-1393/456, 6-22=-116/473, 8-21=-70/156, 9-21=-197/773, 9-20=-1165/262, 3-24=-32/131, 4-24=-24/247, 4-23=-529/278, 11-20=-451/2007, 7-21=-907/277, 7-22=-193/730, 11-17=-233/744, 11-19=-2576/647, 12-17=-184/131

**NOTES**
1) Unbalanced roof live loads have been considered for this design.
2) Wind ASCE 7-22, Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II, Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 0-0-0 to 4-3-12, Zone1 4-3-12 to 16-4-0, Zone2 16-4-0 to 22-0-12, Zone1 22-0-12 to 23-7-1, Zone2 23-7-1 to 29-3-13, Zone1 29-3-13 to 41-6-0 zone; porch right exposed;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) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Provide adequate drainage to prevent water ponding.
6) All plates are 2x4 (||) MT20 unless otherwise indicated.
7) Gable studs spaced at 2-0-0 oc.
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 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
10) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 278 lb uplift at joint 1, 368 lb uplift at joint 14, 526 lb uplift at joint 17, 30 lb uplift at joint 18, 34 lb uplift at joint 16, 619 lb uplift at joint 19 and 368 lb uplift at joint 14.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

**LOAD CASE(S)** Standard

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Date:

February 23,2026




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| Job | Truss | Truss Type | Qty | Ply | | |
|---|---|---|---|---|---|---|
| 5263975 | T11 | Monopitch | 8 | 1 | Job Reference (optional) | T40209567 |

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Fri Feb 20 08:24:13 Page: 1
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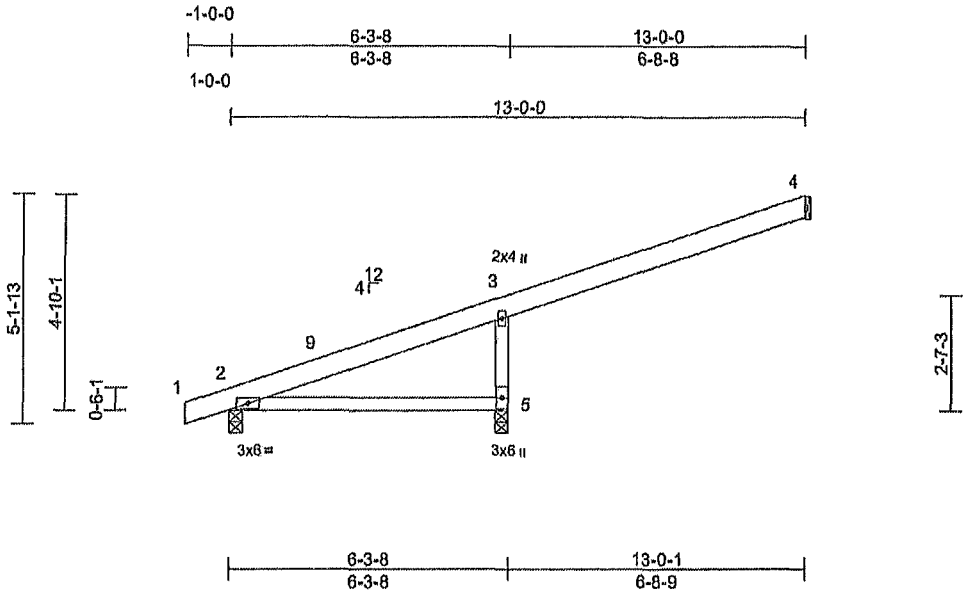


Scale = 1:49.9

| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | In | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.25 | TC | 0.29 | Vert(LL) | 0.05 | 5-8 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.25 | BC | 0.26 | Vert(CT) | -0.07 | 5-8 | >999 | 180 | | |
| BCLL | 0.0* | Rep Stress Incr | YES | WB | 0.00 | Horz(CT) | 0.00 | 4 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2023/TPI2014 | Matrix-MP | | | | | | | Weight: 47 lb | FT = 20% |

**LUMBER**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

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

**REACTIONS** (size) 2=0-3-8, 4= Mechanical, 5=0-3-8
Max Horiz 2=184 (LC 8)
Max Uplift 2=-101 (LC 8), 4=-92 (LC 12), 5=-319 (LC 8)
Max Grav 2=258 (LC 1), 4=156 (LC 1), 5=545 (LC 1)

**FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/19, 2-3=-216/107, 3-4=-86/36, 3-5=-495/452
BOT CHORD 2-5=-78/55

**NOTES**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-0-0 to 2-0-0, Zone1 2-0-0 to 12-11-4 zone, porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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 92 lb uplift at joint 4, 319 lb uplift at joint 5 and 101 lb uplift at joint 2.

**LOAD CASE(S)** Standard

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Date:

February 23,2026




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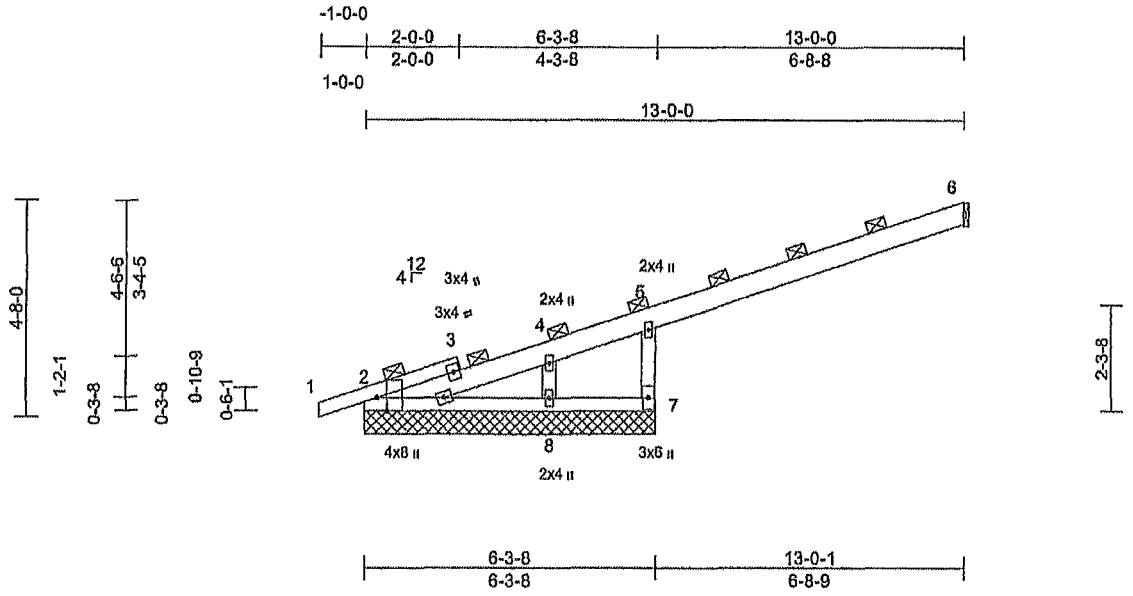
| Job | Truss | Truss Type | Qty | Ply | |
|---|---|---|---|---|---|
| 5263975 | T11G | Monopitch Supported Gable | 2 | 1 | T40209568 Job Reference (optional) |

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Fri Feb 20 08:24:13 ID:A7PB6Lwa_3IF1IlbPpTpVYzjssl-RfC7PsB70Hq3NSgPqnL8w3ulTXbGKWrCDol7J4zJC7f

Page: 1




Scale = 1:48

Plate Offsets (X, Y): [2.0-3-8,Edge]

| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.25 | TC | 0.32 | Vert(LL) | 0.01 | 8-11 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.25 | BC | 0.14 | Vert(CT) | -0.01 | 8-11 | >999 | 180 | | |
| BCLL | 0.0* | Rep Stress Incr | YES | WB | 0.01 | Horz(CT) | 0.00 | 6 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2023/TPI2014 | Matrix-MP | | | | | | | Weight: 49 lb | FT = 20% |

**LUMBER**
TOP CHORD 2x4 SP No.3 *Except* 2-6:2x6 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

**BRACING**
TOP CHORD 2-0-0 oc purlins (6-0-0 max.), except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS** (size) 2=6-3-8, 6= Mechanical, 7=6-3-8, 8=6-3-8
Max Horiz 2=168 (LC 8)
Max Uplift 2=-53 (LC 8), 6=-95 (LC 12), 7=-233 (LC 8), 8=-21 (LC 12)
Max Grav 2=207 (LC 1), 6=165 (LC 1), 7=412 (LC 1), 8=203 (LC 3)

**FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/19, 2-4=-340/96, 4-5=-321/91, 5-6=-102/39, 6-7=-408/676
BOT CHORD 2-8=-128/74, 7-8=0/0
WEBS 4-8=-74/50

**NOTES**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 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) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Gable studs spaced at 2-0-0 oc.
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 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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 53 lb uplift at joint 2, 233 lb uplift at joint 7, 21 lb uplift at joint 8, 95 lb uplift at joint 6 and 53 lb uplift at joint 2.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

**LOAD CASE(S)** Standard

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Date:

February 23,2026




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| Job | Truss | Truss Type | Qty | Ply | | |
|---|---|---|---|---|---|---|
| 5263975 | V01 | Valley | 1 | 1 | Job Reference (optional) | T40209569 |

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, Run: 8.83 S Jan 22 2026 Print: 8.830 S Jan 22 2026 MiTek Industries, Inc. Fri Feb 20 08:24:13 Page: 1
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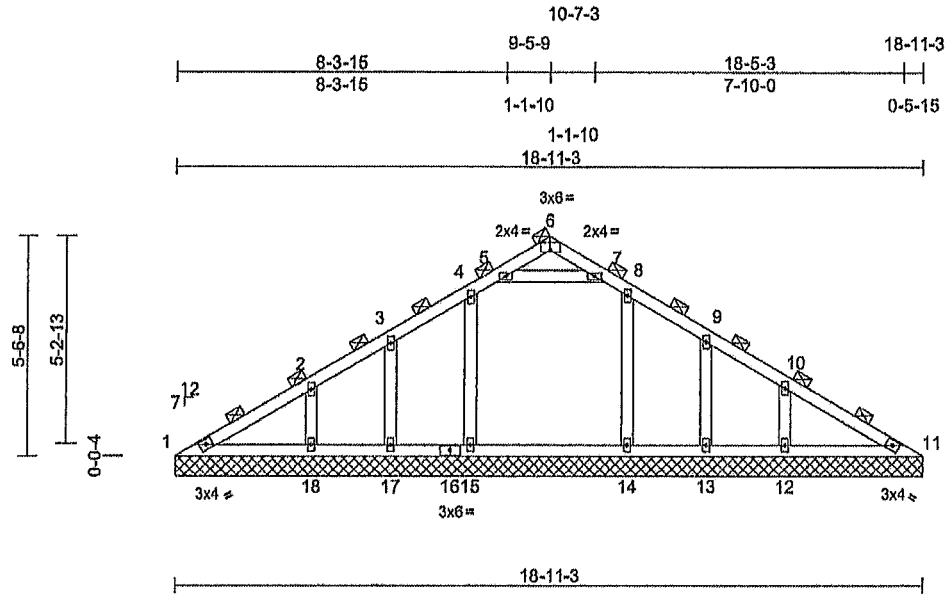



Scale = 1:56.1

Plate Offsets (X, Y): [6.0-3-0,Edge]

| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.25 | TC | 0.11 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.25 | BC | 0.13 | Vert(TL) | n/a | - | n/a | 999 | | |
| BCLL | 0.0* | Rep Stress Incr | YES | WB | 0.07 | Horiz(TL) | 0.00 | 11 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2023/TPI2014 | Matrix-MS | | | | | | | Weight: 87 lb | FT = 20% |

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

**BRACING**
TOP CHORD 2-0-0 oc purlins (6-0-0 max.).
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

**REACTIONS** (size) 1=18-11-3, 11=18-11-3, 12=18-11-3, 13=18-11-3, 14=18-11-3, 15=18-11-3, 17=18-11-3, 18=18-11-3
Max Horiz 1=-133 (LC 8)
Max Uplift 1=-22 (LC 13), 11=-6 (LC 13), 12=-115 (LC 13), 13=-68 (LC 13), 14=-31 (LC 13), 15=-53 (LC 12), 17=-65 (LC 12), 18=-116 (LC 12)
Max Grav 1=122 (LC 20), 11=113 (LC 1), 12=347 (LC 20), 13=101 (LC 20), 14=357 (LC 20), 15=380 (LC 19), 17=98 (LC 19), 18=344 (LC 19)

**FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-183/124, 2-3=-70/79, 3-4=-47/95, 4-5=-67/102, 5-6=-134/41, 6-7=-135/41, 7-8=-67/102, 8-9=-30/74, 9-10=-37/44, 10-11=-155/89
BOT CHORD 1-18=-61/175, 17-18=-59/94, 15-17=-59/94, 14-15=-59/94, 13-14=-59/94, 12-13=-59/94, 11-12=-59/129
WEBS 4-15=-213/72, 3-17=-89/82, 2-18=-196/111, 8-14=-196/52, 9-13=-93/83, 10-12=-197/112, 5-7=-7/141

**NOTES**
1) Unbalanced roof live loads have been considered for this design
2) Wind: ASCE 7-22, Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Enclosed, MWFRS (envelope) exterior (2) zone and C-C Zone3 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) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) All plates are 2x4 (||) MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
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 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 22 lb uplift at joint 1, 6 lb uplift at joint 11, 53 lb uplift at joint 15, 65 lb uplift at joint 17, 115 lb uplift at joint 18, 31 lb uplift at joint 14, 68 lb uplift at joint 13 and 115 lb uplift at joint 12.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

**LOAD CASE(S)** Standard

This item has been digitally signed and sealed by ORegan, Philip, PE on the date indicated here. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

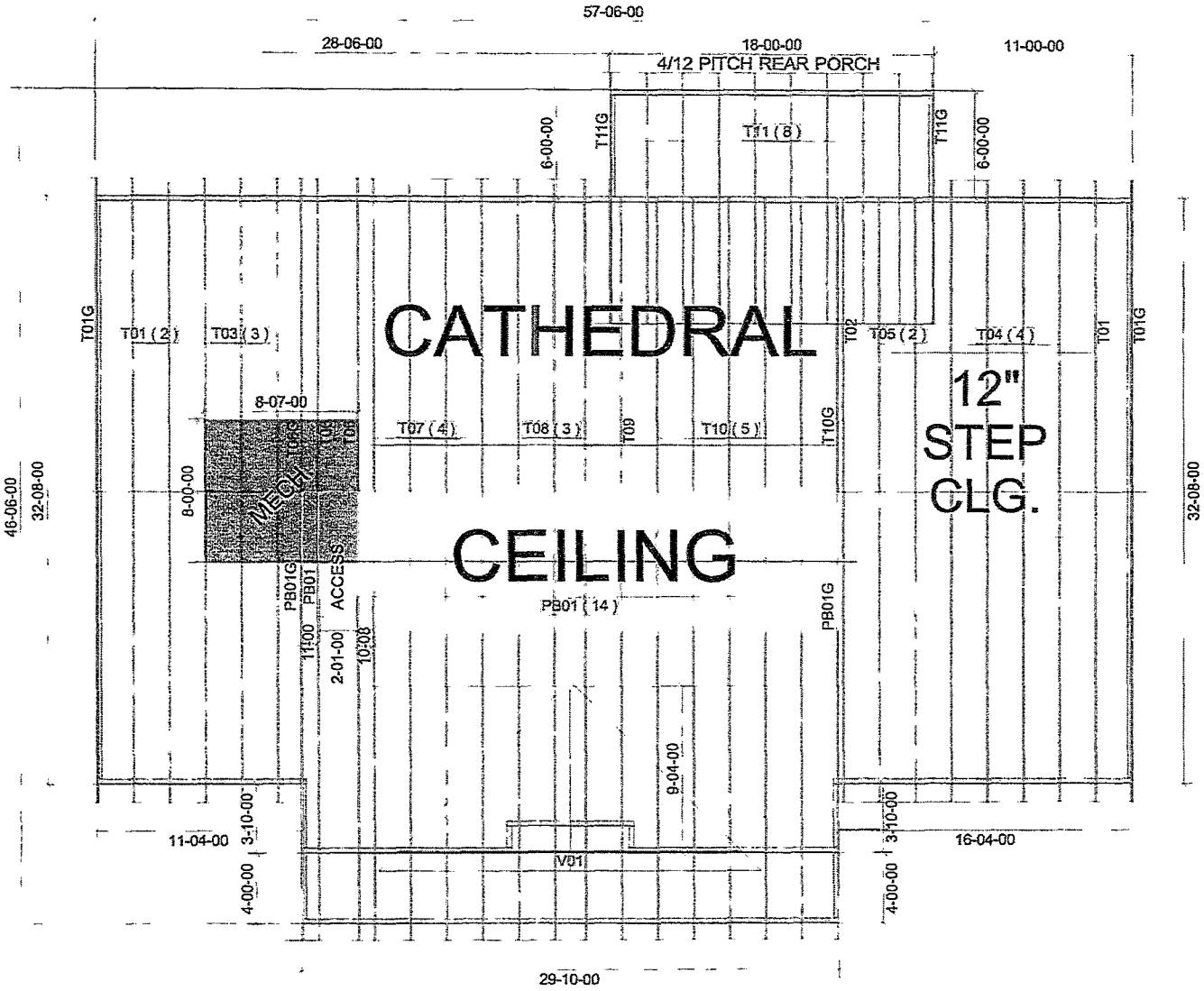
Philip J. O'Regan PE No.58126
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date.

February 23,2026




MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 MiTek-US.com

# 7/12 PITCH - 12" OH




WARNING
Backcharges Will Not Be Accepted Regardless of Fault Without Prior Notification By Customer Within 48 Hours And Investigation By Builders FirstSource. NO EXCEPTIONS.

IMPORTANT

This Drawing Must Be Approved And Returned Before Fabrication Will Begin. For Your Protection Check All Dimensions And Conditions Prior To Approval Of Plan. SIGNATURE BELOW INDICATES ALL NOTES AND DIMENSIONS HAVE BEEN ACCEPTED.

By _____ Date_____

FINAL LAYOUT FOR PRODUCTION

Initial:_____ Date:_____
Requested Delivery Date:

| ROOF LOADING | FLOOR LOADING |
|---|---|
| TCLL: 20.0 PSF | FLOOR LL: 40.0 PSF |
| TCDL: 10.0 PSF | FLOOR DL: 10.0 PSF |
| BCLL: 0.0 PSF | BCLL: 0.0 PSF |
| BCDL: 10.0 PSF | BCDL: 10.0 PSF |
| DURATION: 1.25 | DURATION: 1.25 |

ROOF PITCH: 7/12 - 4/12
CEILING PITCH: 3.5/12
TOP CHORD SIZE: 2X4
BOTTOM CHORD SIZE: 2X4
OVERHANG LENGTH: 12"
END CUT: PLUMB
CANTILEVER: N/A
TRUSS SPACING: 24"
BUILDING CODE:FBC 2023

BEARING HEIGHT SCHEDULE

| | |
|---|---|
| BUILDER: | CHRISMILL HOMES, INC. |
| MODEL: | CUSTOM |
| ELEV: | GABLE |
| ADDRESS: | TBD |
| LOT / BLOCK: | N/A |
| SUBDIVISION: | WILSON-DEMPSEY RES. |
| CITY: | White Springs |
| DRAWN BY: | Holloway, Kim |
| JOB # | 5263975 |
| DATE: 2/20/2026 | SCALE: N.T.S. |

REVISIONS:

Builders FirstSource