

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.

FINAL LAYOUT FOR PRODUCTION

Initial: _____ Date: _____
Requested Delivery Date: _____

ROOF LOADING: FLOOR LOADING:
 TCCL: 20 TCCL: 20
 TCCL: 10 TCCL: 10
 BCCL: 0 BCCL: 0
 BCCL: 10 BCCL: 10
 DURATION: 1.25 DURATION: 1.00

5 PSF TCCL + 5 PSF BCCL USED TO RESIST UPLIFT
 ENCLOSED
 EXPOSURE CATEGORY C
 OCCUPANCY CATEGORY II
 WIND LOAD 130 MPH
 WIND IMPORTANCE FACTOR 1.00

ROOF PITCH: 8/12-3/12
CEILING PITCH: FLAT
TOP CHORD SIZE: 2 X 4
BOTTOM CHORD SIZE: 2 X 4
OVERHANG LENGTH: 18" - 12"
END CUT: PLUMB
CANTILEVER: N/A
TRUSS SPACING: 24"
BUILDING CODE: FBC 2023

BEARING HEIGHT SCHEDULE

BUILDER:

Amira Builders

| | |
|--------|--------|
| MODEL: | CUSTOM |
|--------|--------|

| | |
|-------|-------|
| ELEV: | GABLE |
|-------|-------|

ADDRESS: 316 SW CYPRESSWOOD
GLEN

| | |
|--------------|-----|
| LOT / BLOCK: | N/A |
|--------------|-----|

| | |
|---------------------|---------------------|
| SUBDIVISION: | CURASCO RES. |
|---------------------|---------------------|

| | |
|-------|-----------|
| CITY: | Lake City |
|-------|-----------|

| | |
|-----------|---------------|
| DRAWN BY: | Holloway, Kim |
|-----------|---------------|

| | |
|---------|---------|
| JOB # : | 4894417 |
|---------|---------|

| | | | |
|-------|------------|--------|--------|
| DATE: | 10/22/2025 | SCALE: | N.I.S. |
|-------|------------|--------|--------|

REVISIONS:



Summations of limited excerpts of the Code, ANSI/TPI 1-2014, and BCSI, and associated commentary, are provided within the truss submittal package in the Builders FirstSource Component Truss Responsibility and Liability Disclosure. These critical excerpts include, among other elements, critical safety information as well as specific Scope-of-Work assignments (and limitations of the same) for the Owner, Contractor, Building Designer, Truss Designer, and Truss Manufacturer. It is essential that ALL parties to the design and use of the Trusses review and become familiar with the information provided in the Builders FirstSource Component Truss Responsibility and Liability Disclosure, as well as the referenced sources, prior to performing work on the associated project.



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

RE: 4894417 - CURASCO RES.

MiTek, Inc.

16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200

Site Information:

Customer Info: AMIRA BLDRS. Project Name: Curasco Res. Model: Custom
Lot/Block: N/A Subdivision: N/A
Address: 316 SW Cypresswood Glen, N/A
City: Lake City, 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 51 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 | T38959534 | CJ01 | 10/24/25 | 15 | T38959548 | T03 | 10/24/25 |
| 2 | T38959535 | CJ03 | 10/24/25 | 16 | T38959549 | T03G | 10/24/25 |
| 3 | T38959536 | EJ01 | 10/24/25 | 17 | T38959550 | T04 | 10/24/25 |
| 4 | T38959537 | EJ02 | 10/24/25 | 18 | T38959551 | T05 | 10/24/25 |
| 5 | T38959538 | HJ08 | 10/24/25 | 19 | T38959552 | T06 | 10/24/25 |
| 6 | T38959539 | PB01 | 10/24/25 | 20 | T38959553 | T07 | 10/24/25 |
| 7 | T38959540 | PB01G | 10/24/25 | 21 | T38959554 | T08 | 10/24/25 |
| 8 | T38959541 | PB02 | 10/24/25 | 22 | T38959555 | T09 | 10/24/25 |
| 9 | T38959542 | PB02G | 10/24/25 | 23 | T38959556 | T09G | 10/24/25 |
| 10 | T38959543 | PB03 | 10/24/25 | 24 | T38959557 | T10 | 10/24/25 |
| 11 | T38959544 | PB03G | 10/24/25 | 25 | T38959558 | T11 | 10/24/25 |
| 12 | T38959545 | T01 | 10/24/25 | 26 | T38959559 | T11G | 10/24/25 |
| 13 | T38959546 | T01G | 10/24/25 | 27 | T38959560 | T12 | 10/24/25 |
| 14 | T38959547 | T02 | 10/24/25 | 28 | T38959561 | T12G | 10/24/25 |



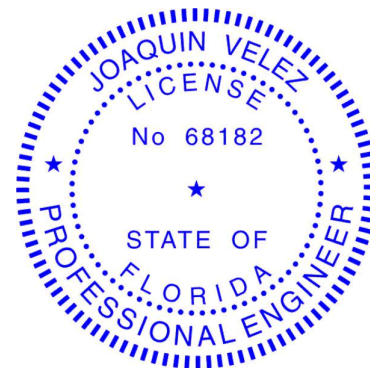
This item has been digitally signed and sealed by Velez, Joaquin, PE on the date adjacent to the seal.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies

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: Velez, Joaquin

My license renewal date for the state of Florida is February 28, 2027.



Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

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.

October 24,2025

Velez, Joaquin

1 of 2



RE: 4894417 - CURASCO RES.

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

Site Information:

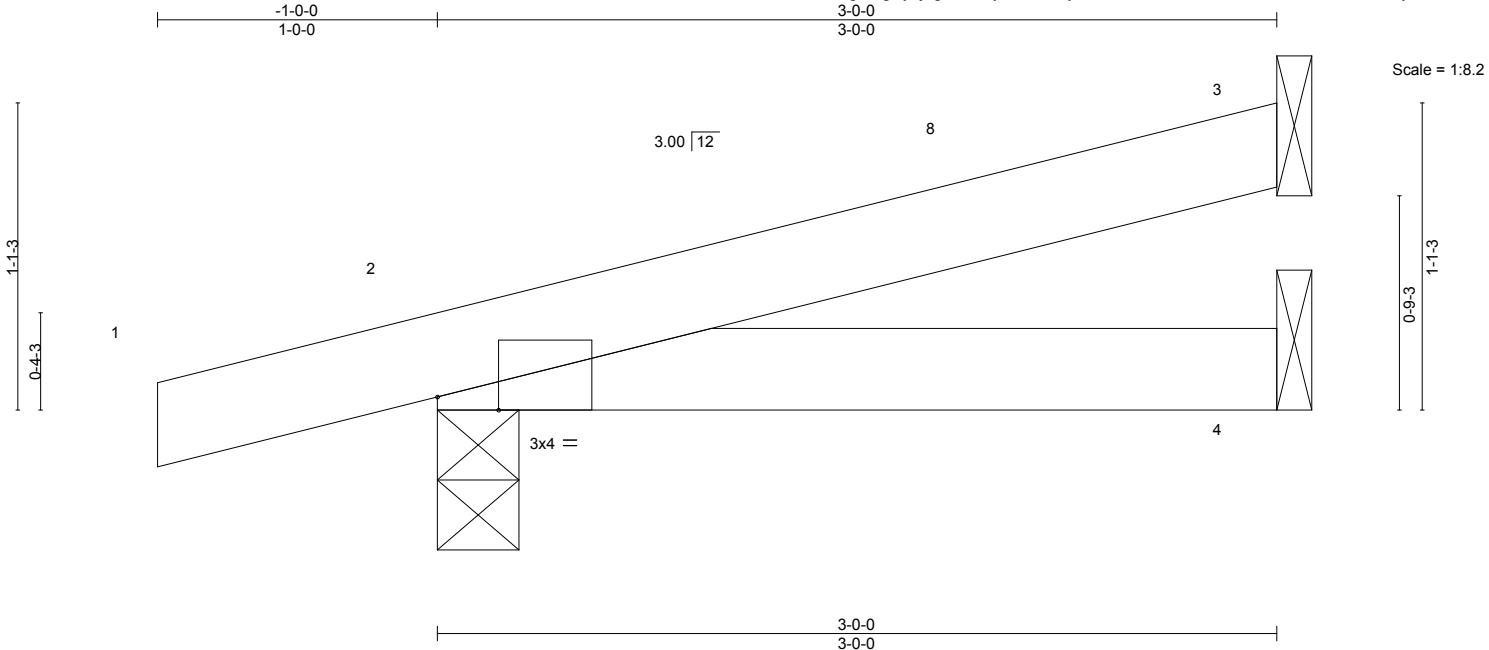
Customer Info: AMIRA BLDRS. Project Name: Curasco Res. Model: Custom
Lot/Block: N/A Subdivision: N/A
Address: 316 SW Cypresswood Glen, N/A
City: Lake City, State: FL

| No. | Seal# | Truss Name | Date |
|-----|-----------|------------|----------|
| 29 | T38959562 | T13 | 10/24/25 |
| 30 | T38959563 | T14 | 10/24/25 |
| 31 | T38959564 | T15 | 10/24/25 |
| 32 | T38959565 | T16 | 10/24/25 |
| 33 | T38959566 | T16G | 10/24/25 |
| 34 | T38959567 | T17 | 10/24/25 |
| 35 | T38959568 | T17G | 10/24/25 |
| 36 | T38959569 | T18 | 10/24/25 |
| 37 | T38959570 | T19G | 10/24/25 |
| 38 | T38959571 | T20 | 10/24/25 |
| 39 | T38959572 | T20G | 10/24/25 |
| 40 | T38959573 | T21 | 10/24/25 |
| 41 | T38959574 | T22 | 10/24/25 |
| 42 | T38959575 | T22G | 10/24/25 |
| 43 | T38959576 | T23 | 10/24/25 |
| 44 | T38959577 | T23G | 10/24/25 |
| 45 | T38959578 | T24 | 10/24/25 |
| 46 | T38959579 | T25 | 10/24/25 |
| 47 | T38959580 | V01 | 10/24/25 |
| 48 | T38959581 | V02 | 10/24/25 |
| 49 | T38959582 | V03 | 10/24/25 |
| 50 | T38959583 | V04 | 10/24/25 |
| 51 | T38959584 | V05 | 10/24/25 |

| | | | | | | |
|---------|-------|------------|-----|-----|--------------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | CURASCO RES. | T38959535 |
| 4894417 | CJ03 | Jack-Open | 4 | 1 | Job Reference (optional) | |

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Thu Oct 23 12:17:43 2025 Page 1
ID:5r2frgbregYyobjgsnrYiDyVSr7-9JryK8LLmhCfGiF9xenLauXNN7?e3HQiY4ZzshyQXZ6



| Plate Offsets (X,Y)-- | | [2:0-2-10,Edge] | |
|-----------------------|-----------------|-----------------|----------------------------------|
| LOADING (psf) | SPACING- | 2-0-0 | CSI. |
| TCLL 20.0 | Plate Grip DOL | 1.25 | TC 0.11 |
| TCDL 10.0 | Lumber DOL | 1.25 | BC 0.11 |
| BCLL 0.0 * | Rep Stress Incr | YES | WB 0.00 |
| BCDL 10.0 | Code | FBC2023/TPI2014 | Matrix-MP |
| | | | DEFL. in (loc) l/defl L/d |
| | | | Vert(LL) 0.01 4-7 >999 240 |
| | | | Vert(CT) -0.01 4-7 >999 180 |
| | | | Horz(CT) -0.00 3 n/a n/a |
| | | | PLATES GRIP |
| | | | MT20 244/190 |
| | | | Weight: 11 lb FT = 20% |

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=53(LC 8)
Max Uplift 3=-51(LC 8), 2=-150(LC 8), 4=-31(LC 8)
Max Grav 3=69(LC 1), 2=188(LC 1), 4=50(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-0-0 to 2-0-0, Zone1 2-0-0 to 2-11-4 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
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=150.

This item has been digitally signed and sealed by Velez, Joaquin, 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.

Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:

October 24,2025

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

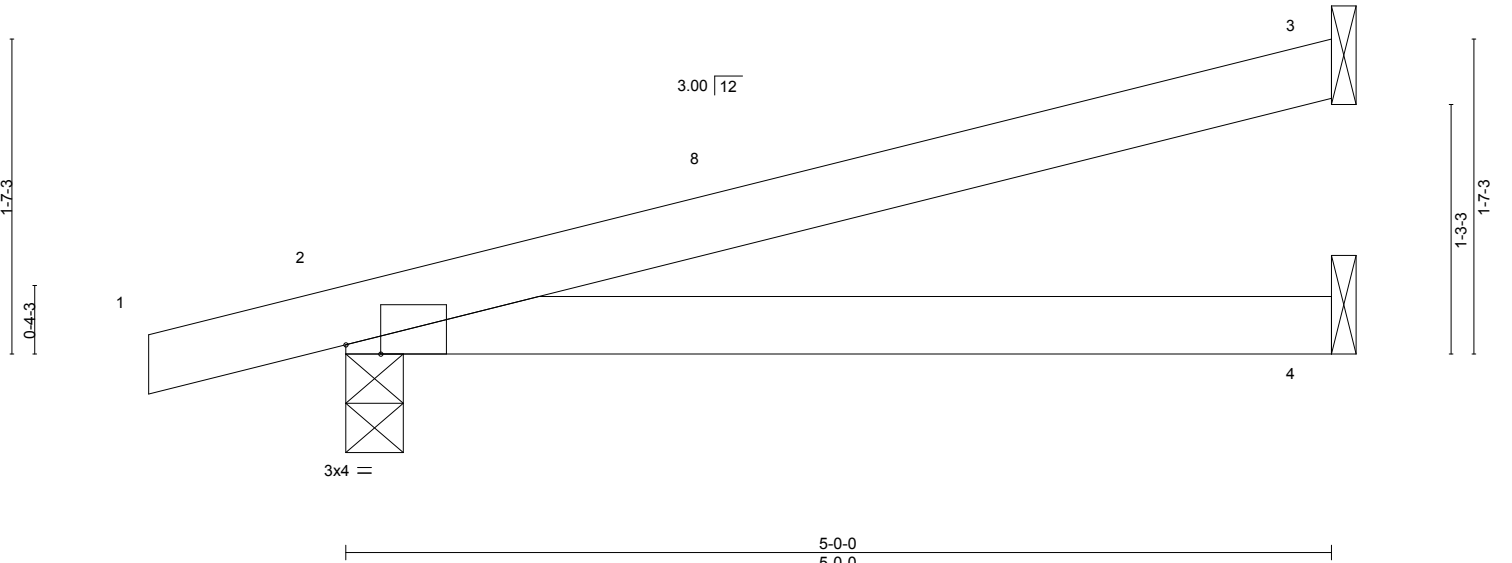
MiTek®

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

| | | | | | | |
|---------|-------|------------|-----|-----|--------------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | CURASCO RES. | T38959536 |
| 4894417 | EJ01 | Jack-Open | 2 | 1 | Job Reference (optional) | |

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Thu Oct 23 12:17:44 2025 Page 1
ID:5r2frgbregYyobjgsnrYiDyVSr7-dVPKYUMzX?KWtspMVMla66TTSXH7okgsnklXO7yQXZ5



| Plate Offsets (X,Y)-- | | [2:0-2-2,Edge] | | | | | | | | | |
|-----------------------|-------|-----------------|-----------------|-------------|------|--------------|-------|--------|-----|---------------|----------|
| LOADING (psf) | | SPACING- | | CSI. | | DEFL. | | | | PLATES | |
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.41 | in | (loc) | l/defl | L/d | MT20 | GRIP |
| TCDL | 10.0 | Lumber DOL | 1.25 | BC | 0.35 | 0.08 | 4-7 | >738 | 240 | | 244/190 |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.00 | 0.07 | 4-7 | >863 | 180 | | |
| BCDL | 10.0 | Code | FBC2023/TPI2014 | Matrix-MP | | -0.00 | 3 | n/a | n/a | | |
| | | | | | | | | | | Weight: 17 lb | FT = 20% |

| | | | |
|----------------|-------------|-----------------|-----------------------------------------------------------------|
| LUMBER- | | BRACING- | |
| TOP CHORD | 2x4 SP No.2 | TOP CHORD | Structural wood sheathing directly applied or 5-0-0 oc purlins. |
| BOT CHORD | 2x4 SP No.2 | BOT CHORD | Rigid ceiling directly applied or 10-0-0 oc bracing. |

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=78(LC 8)
Max Uplift 3=94(LC 8), 2=-202(LC 8), 4=-54(LC 8)
Max Grav 3=125(LC 1), 2=264(LC 1), 4=89(LC 3)

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

- NOTES-**
- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-0-0 to 2-0-0, Zone1 2-0-0 to 4-11-4 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
 - 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=202.

This item has been digitally signed and sealed by Velez, Joaquin, 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.

Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:

October 24,2025

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

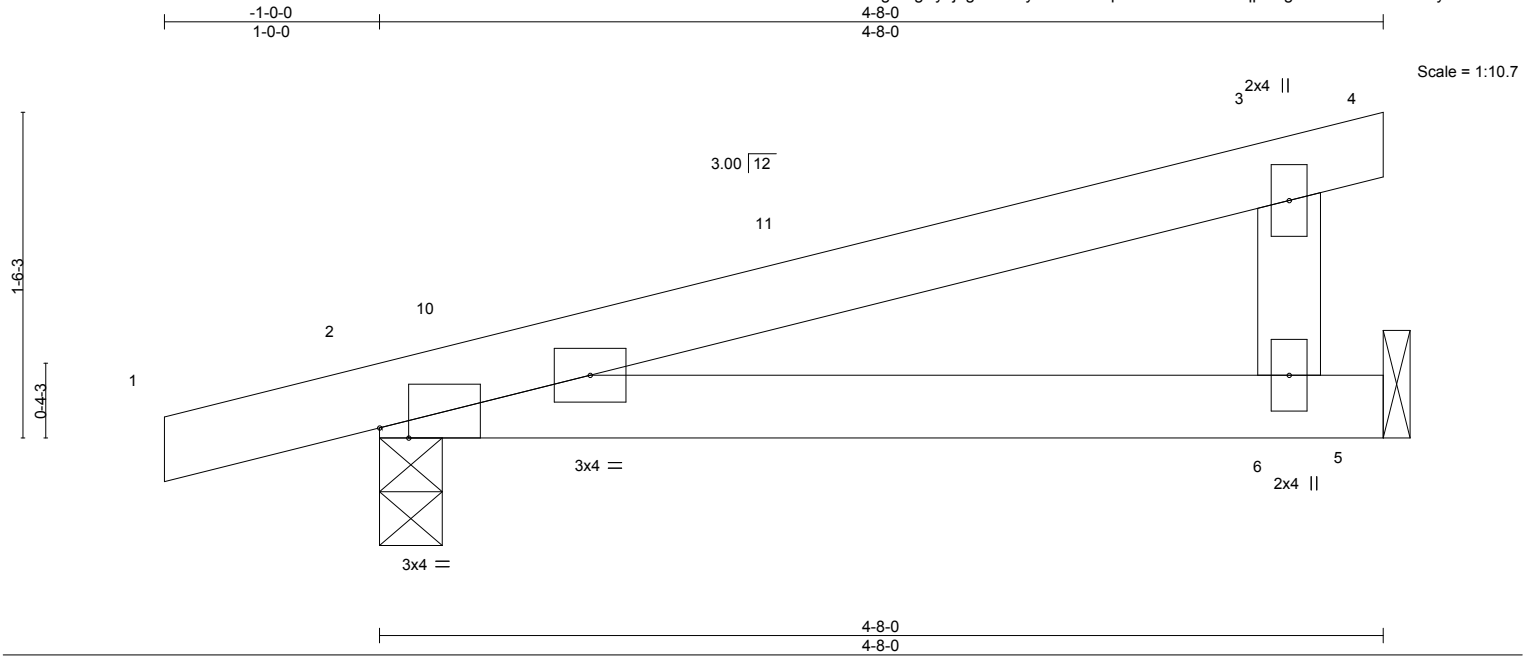
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

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

| | | | | | | |
|---------|-------|-------------|-----|-----|--------------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | CURASCO RES. | T38959537 |
| 4894417 | EJ02 | Jack-Closed | 6 | 1 | Job Reference (optional) | |

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Thu Oct 23 12:17:45 2025 Page 1
ID:5r2frgbregYyobjgsnrYiDyVSr7-5izilqNbHJSNV0OY33qpfJ0ghxddXBw?0024wZyQXZ4



| Plate Offsets (X,Y)-- | | [2:0-1-10,Edge] | |
|-----------------------|-----------------|-----------------|----------------------------|
| LOADING (psf) | SPACING- | 2-0-0 | CSI. |
| TCLL 20.0 | Plate Grip DOL | 1.25 | TC 0.31 |
| TCDL 10.0 | Lumber DOL | 1.25 | BC 0.33 |
| BCLL 0.0 * | Rep Stress Incr | YES | WB 0.00 |
| BCDL 10.0 | Code | FBC2023/TPI2014 | Matrix-MP |
| | | | DEFL. |
| | | | in (loc) l/defl L/d |
| | | | Vert(LL) 0.07 6-9 >831 240 |
| | | | Vert(CT) 0.06 6-9 >968 180 |
| | | | Horz(CT) -0.00 2 n/a n/a |
| | | | PLATES GRIP |
| | | | MT20 244/190 |
| | | | Weight: 17 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 4-8-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 2=0-3-8, 5=Mechanical
Max Horz 2=74(LC 8)
Max Uplift 2=-193(LC 8), 5=-137(LC 8)
Max Grav 2=251(LC 1), 5=181(LC 1)

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-0-0 to 2-0-0, Zone1 2-0-0 to 4-8-0 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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 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) except (jt=lb) 2=193, 5=137.

This item has been digitally signed and sealed by Velez, Joaquin, 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.

Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:

October 24,2025

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

MiTek®

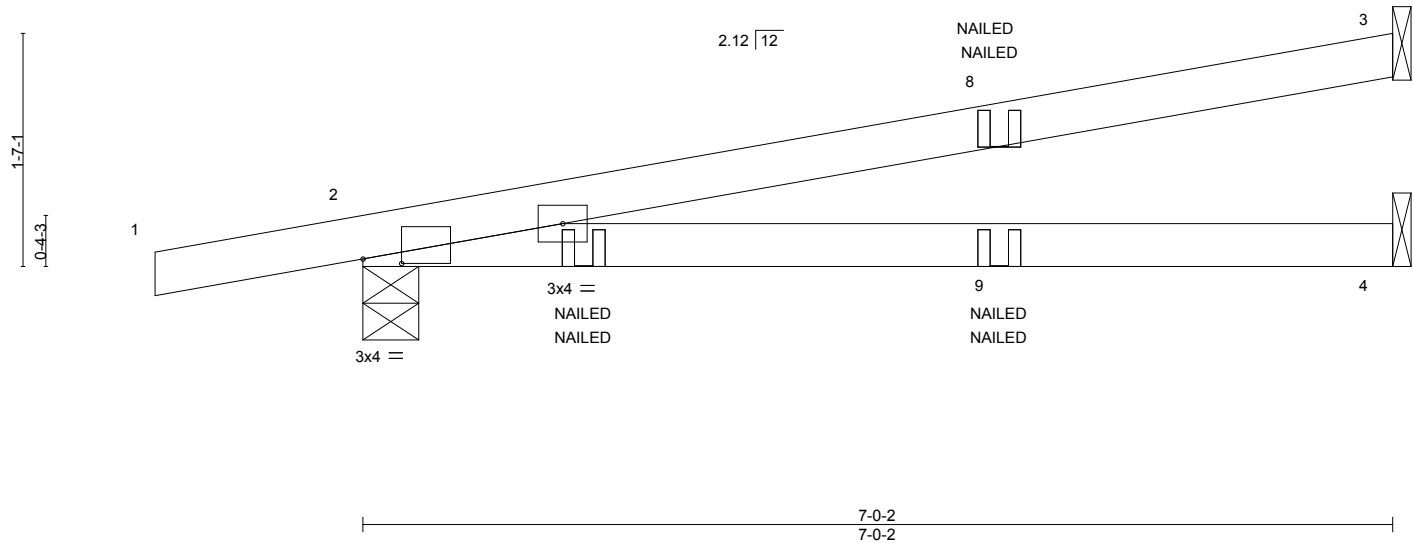
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

| | | | | | | |
|---------|-------|---------------------|-----|-----|--------------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | CURASCO RES. | T38959538 |
| 4894417 | HJ08 | Diagonal Hip Girder | 2 | 1 | Job Reference (optional) | |

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.830 s Sep 3 2025 MiTek Industries, Inc. Thu Oct 23 12:17:46 2025 Page 1
ID:5r2frgbregYyobjgsnrYiDyVSr7-ZuX4zAOE2caE7AzkcL2BXZkaLvNGeA9E2neT0yQXZ3



Scale = 1:15.7



| Plate Offsets (X,Y)-- | | [2:0-3-3,0-0-6] | | | | | | | | | | |
|-----------------------|-------|-----------------|-----------------|------|-----------|---------------------------|-------|-----|------|-------------|---------------|----------|
| 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 | 0.75 | Vert(LL) | 0.24 | 4-7 | >348 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.25 | BC | 0.62 | Vert(CT) | -0.25 | 4-7 | >330 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.00 | Horz(CT) | 0.01 | 2 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2023/TPI2014 | | Matrix-MS | | | | | | Weight: 23 lb | FT = 20% |

LUMBER-

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

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) 3=Mechanical, 2=0-4-9, 4=Mechanical
Max Horz 2=78(LC 4)
Max Uplift 3=-131(LC 4), 2=-301(LC 4), 4=-83(LC 4)
Max Grav 3=180(LC 1), 2=379(LC 1), 4=126(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 3=131, 2=301.
- 7) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidelines.
- 8) 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 + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-60, 4-5=-20
Concentrated Loads (lb)
Vert: 7=1(F=1, B=1) 9=-22(F=-11, B=-11)

This item has been digitally signed and sealed by Velez, Joaquin, 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.

Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:

October 24,2025

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

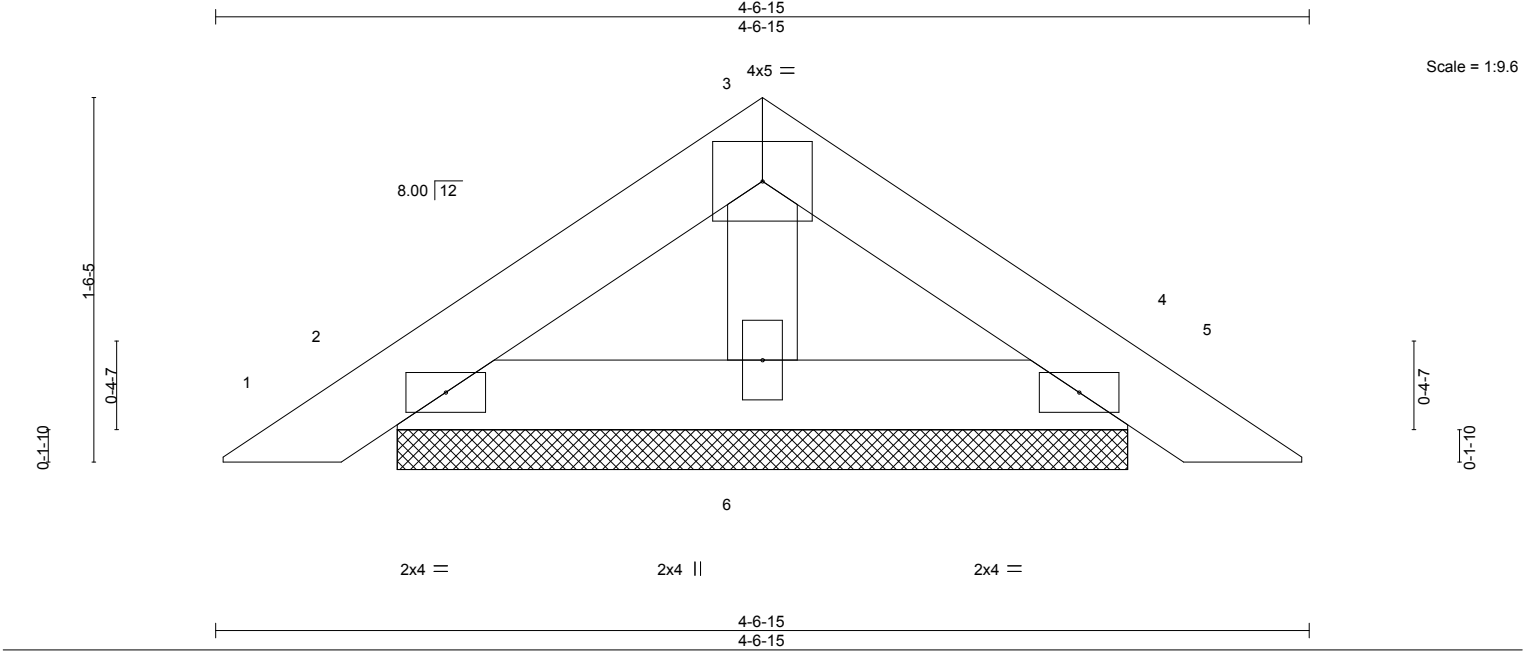
MiTek®

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

| | | | | | | |
|---------|-------|------------|-----|-----|--------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | CURASCO RES. | T38959539 |
| 4894417 | PB01 | Piggyback | 11 | 1 | | |

Builders FirstSource (Lake City,FL),
Lake City, FL - 32055,
8.830 s Sep 3 2025 MiTek Industries, Inc. Thu Oct 23 12:17:46 2025 Page 1

ID:5r2frgbregYyobjgsnrYiDyVSr7-ZuX4zAOE2caE7Azkc nL2BXZuGL2hGer9E2neT0yQXZ3



| 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 0.07 | Vert(LL) | 0.00 | 4 | n/r | 120 | MT20 |
| TCDL 10.0 | Lumber DOL | 1.25 | BC 0.02 | Vert(CT) | 0.00 | 4 | n/r | 120 | 244/190 |
| BCLL 0.0 * | Rep Stress Incr | YES | WB 0.02 | Horz(CT) | 0.00 | 4 | n/a | n/a | |
| BCDL 10.0 | Code FBC2023/TPI2014 | | Matrix-P | | | | | | |
| | | | | | | | | Weight: 14 lb | FT = 20% |

| | |
|-----------------------|----------------------------------------------------------------------------|
| LUMBER- | BRACING- |
| TOP CHORD 2x4 SP No.2 | TOP CHORD Structural wood sheathing directly applied or 4-6-15 oc purlins. |
| BOT CHORD 2x4 SP No.2 | BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. |
| WEBS 2x4 SP No.3 | |

REACTIONS. (size) 2=3-0-11, 4=3-0-11, 6=3-0-11
Max Horz 2=43(LC 11)
Max Uplift 2=-51(LC 12), 4=-57(LC 13), 6=-17(LC 12)
Max Grav 2=99(LC 1), 4=99(LC 1), 6=105(LC 1)

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TC DL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end 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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 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, 6.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

This item has been digitally signed and sealed by Velez, Joaquin, 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.

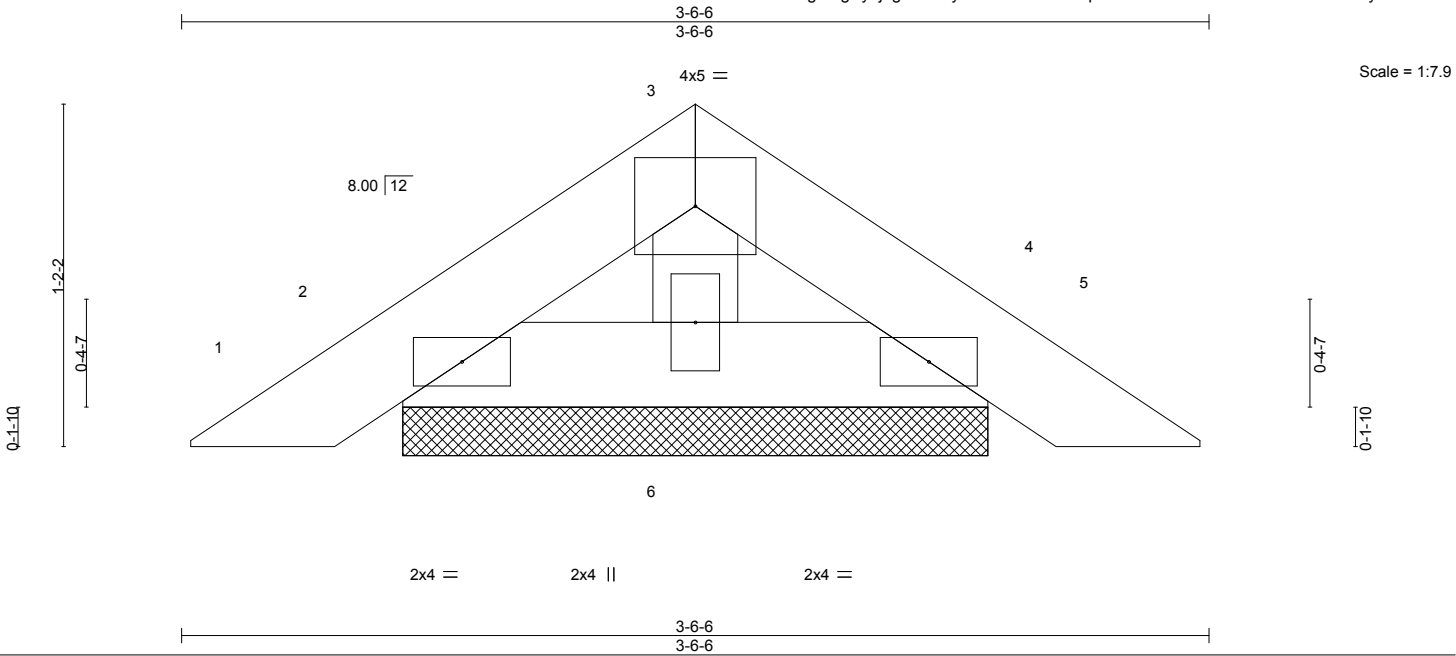
Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:

October 24,2025

| | | | | | | |
|---------|-------|------------|-----|-----|--------------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | CURASCO RES. | T38959540 |
| 4894417 | PB01G | PIGGYBACK | 1 | 1 | Job Reference (optional) | |

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Thu Oct 23 12:17:47 2025 Page 1
ID:5r2frgbregYyojbgsnrYiDyVSr7-145SAWPspwi5kYxAUshkk54UI08?5HITiXB?SyQXZ2



| 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 0.04 | Vert(LL) | -0.00 | 4 | n/r | 120 | MT20 |
| TCDL 10.0 | Lumber DOL | 1.25 | BC 0.01 | Vert(CT) | -0.00 | 4 | n/r | 120 | 244/190 |
| BCLL 0.0 * | Rep Stress Incr | YES | WB 0.01 | Horz(CT) | 0.00 | 4 | n/a | n/a | |
| BCDL 10.0 | Code FBC2023/TP12014 | | Matrix-P | | | | | | |
| | | | | | | | | Weight: 10 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 3-6-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 2=2-0-2, 4=2-0-2, 6=2-0-2
Max Horz 2=32(LC 11)
Max Uplift 2=42(LC 12), 4=46(LC 13), 6=77(LC 12)
Max Grav 2=77(LC 1), 4=77(LC 1), 6=64(LC 19)

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

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end 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) 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) 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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4, 6.
- 8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

This item has been
digitally signed and
sealed by Velez, Joaquin, 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.

Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:

October 24,2025

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

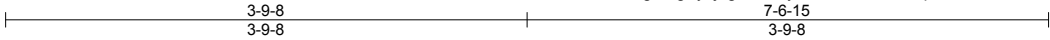
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

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

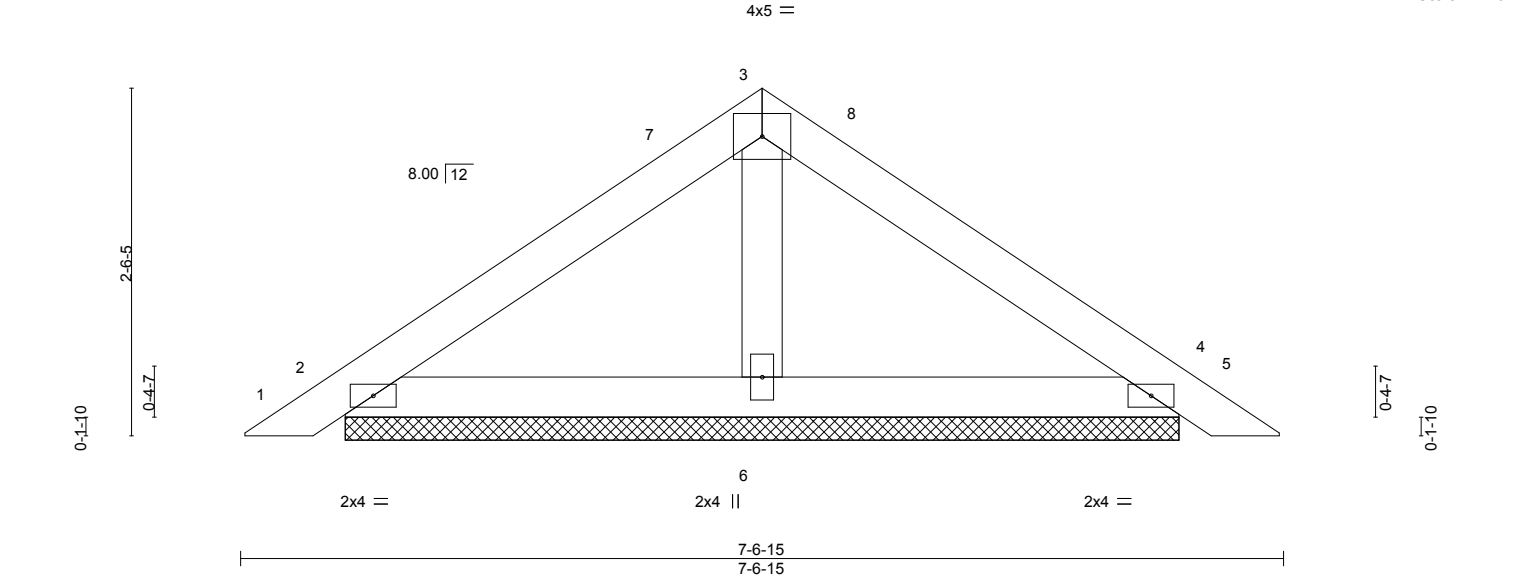
| | | | | | | |
|---------|-------|------------|-----|-----|--------------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | CURASCO RES. | T38959541 |
| 4894417 | PB02 | Piggyback | 7 | 1 | Job Reference (optional) | |

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Thu Oct 23 12:17:47 2025 Page 1
ID:5r2frgbregYyobjgsnrYiDyVSr7-145SAWPspwi5kYxAUshHk50WINr?5hlTiXB?SyQXZ2



Scale = 1:16.7



| 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 0.29 | Vert(LL) | 0.00 | 5 | n/r | 120 | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL | 1.25 | BC 0.09 | Vert(CT) | 0.01 | 5 | n/r | 120 | | |
| BCLL 0.0 * | Rep Stress Incr | YES | WB 0.05 | Horz(CT) | 0.00 | 4 | n/a | n/a | | |
| BCDL 10.0 | Code FBC2023/TP12014 | | Matrix-P | | | | | | 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) 2=6-0-11, 4=6-0-11, 6=6-0-11
Max Horz 2=-75(LC 10)
Max Uplift 2=-80(LC 12), 4=-90(LC 13), 6=-41(LC 12)
Max Grav 2=162(LC 1), 4=162(LC 1), 6=218(LC 1)

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

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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 0-3-5 to 3-3-5, Zone1 3-3-5 to 3-9-8, Zone3 3-9-8 to 7-3-10 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) 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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4, 6.
- 8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

This item has been
digitally signed and
sealed by Velez, Joaquin, 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.

Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:

October 24,2025

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

MiTek®

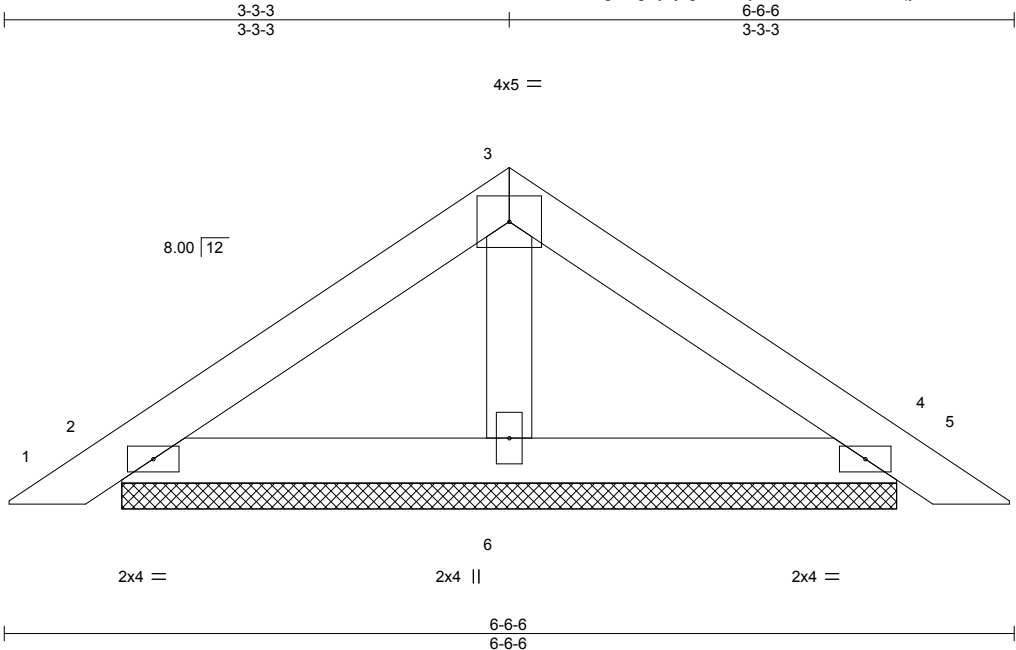
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

| | | | | | | |
|---------|-------|------------|-----|-----|--------------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | CURASCO RES. | T38959542 |
| 4894417 | PB02G | GABLE | 1 | 1 | Job Reference (optional) | |

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Thu Oct 23 12:17:48 2025 Page 1

ID:5r2frgbregYyobjgsnrYiDyVSr7-VGfrOsPUaEqyMT77kCNWHyeCf8kYkY0RiMHkXuyQXZ1



| LOADING (psf) | SPACING- | | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---------------|----------------------|------|----------|--|----------|------|-------|--------|-----|---------------|----------|
| TCLL 20.0 | Plate Grip DOL | 1.25 | TC 0.20 | | Vert(LL) | 0.00 | 5 | n/r | 120 | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL | 1.25 | BC 0.06 | | Vert(CT) | 0.00 | 5 | n/r | 120 | | |
| BCLL 0.0 * | Rep Stress Incr | YES | WB 0.04 | | Horz(CT) | 0.00 | 4 | n/a | n/a | | |
| BCDL 10.0 | Code FBC2023/TPI2014 | | Matrix-P | | | | | | | Weight: 21 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.2 | BOT CHORD | Rigid ceiling directly applied or 10-0-0 oc bracing. |
| OTHERS | 2x4 SP No.3 | | |

REACTIONS. (size) 2=5-0-2, 4=5-0-2, 6=5-0-2
Max Horz 2=-63(LC 10)
Max Uplift 2=-70(LC 12), 4=-78(LC 13), 6=-32(LC 12)
Max Grav 2=140(LC 1), 4=140(LC 1), 6=179(LC 1)

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

- NOTES-
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TC DL=4.2psf; BC DL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end 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
 - 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.
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 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, 6.
 - See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

This item has been digitally signed and sealed by Velez, Joaquin, 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.

Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:

October 24,2025

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

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

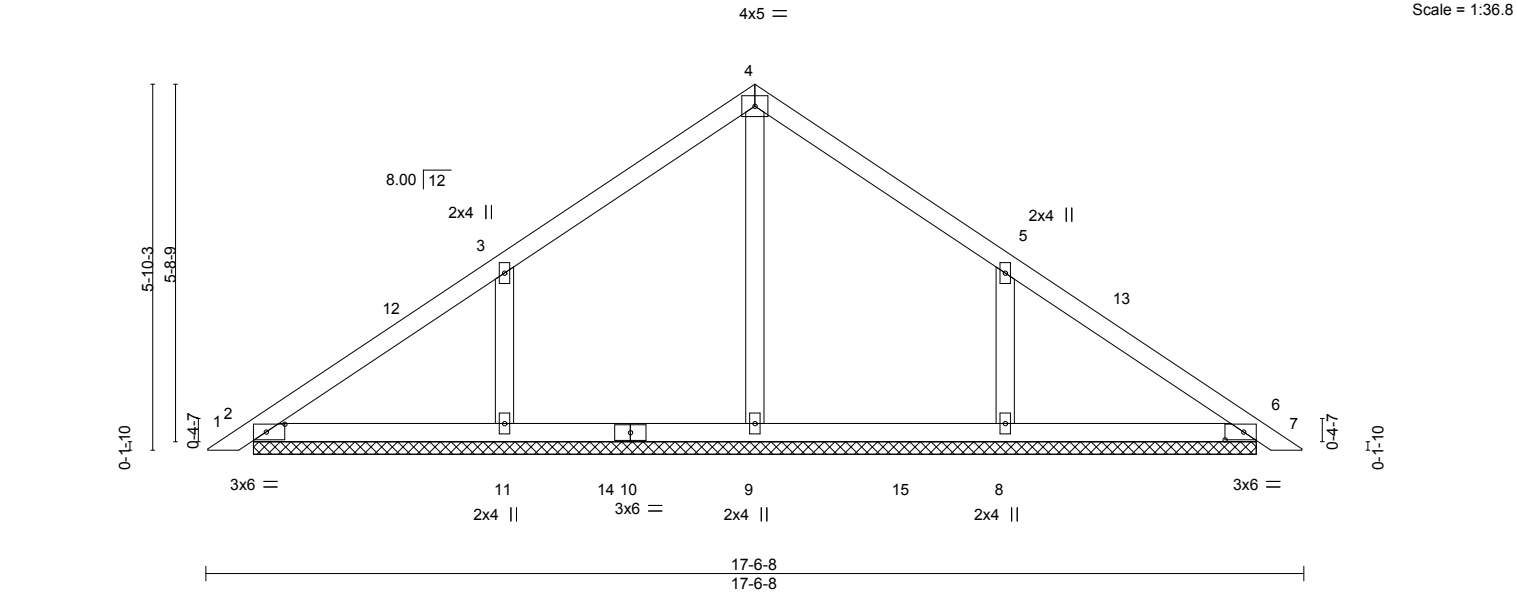
| | | | | | | |
|---------|-------|------------|-----|-----|--------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | CURASCO RES. | T38959543 |
| 4894417 | PB03 | GABLE | 15 | 1 | | |

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Thu Oct 23 12:17:49 2025 Page 1

Job Reference (optional)

ID:5r2fgrbregYyobjgsnrYiDyVSr7-zTDDbCQ6LXyp_djIvulp9BMBY1VT_Rbw00I3KyQXZ0



| | | | | | | | | | |
|--------------------------------------------------------|-------|----------------------|--|----------|------|---------------------------|------------|-------------|------------------------|
| Plate Offsets (X,Y)-- [2:0-3-9,0-1-8], [6:0-3-9,0-1-8] | | | | | | | | | |
| 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 | 0.22 | Vert(LL) | 0.00 7 n/r | 120 | MT20 244/190 |
| TCDL | 10.0 | Lumber DOL 1.25 | | BC | 0.15 | Vert(CT) | 0.01 7 n/r | 120 | |
| BCLL | 0.0 * | Rep Stress Incr YES | | WB | 0.09 | Horz(CT) | 0.00 6 n/a | n/a | |
| BCDL | 10.0 | Code FBC2023/TPI2014 | | Matrix-S | | | | | Weight: 70 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.2 | BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. |
| OTHERS 2x4 SP No.3 | |

REACTIONS. All bearings 16-0-4.
(lb) - Max Horz 2=180(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 6 except 11=279(LC 12), 8=279(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 6 except 9=350(LC 19), 11=502(LC 19), 8=501(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-11=-327/294, 5-8=-326/294

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 0-3-5 to 3-3-5, Zone1 3-3-5 to 8-9-4, Zone2 8-9-4 to 12-9-4, Zone1 12-9-4 to 17-3-3 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.
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Gable requires continuous bottom chord bearing.
 - Gable studs spaced at 4-0-0 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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 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, 6 except (jt=lb) 11=279, 8=279.
 - See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

This item has been digitally signed and sealed by Velez, Joaquin, 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.

Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:

October 24,2025

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

MiTek®

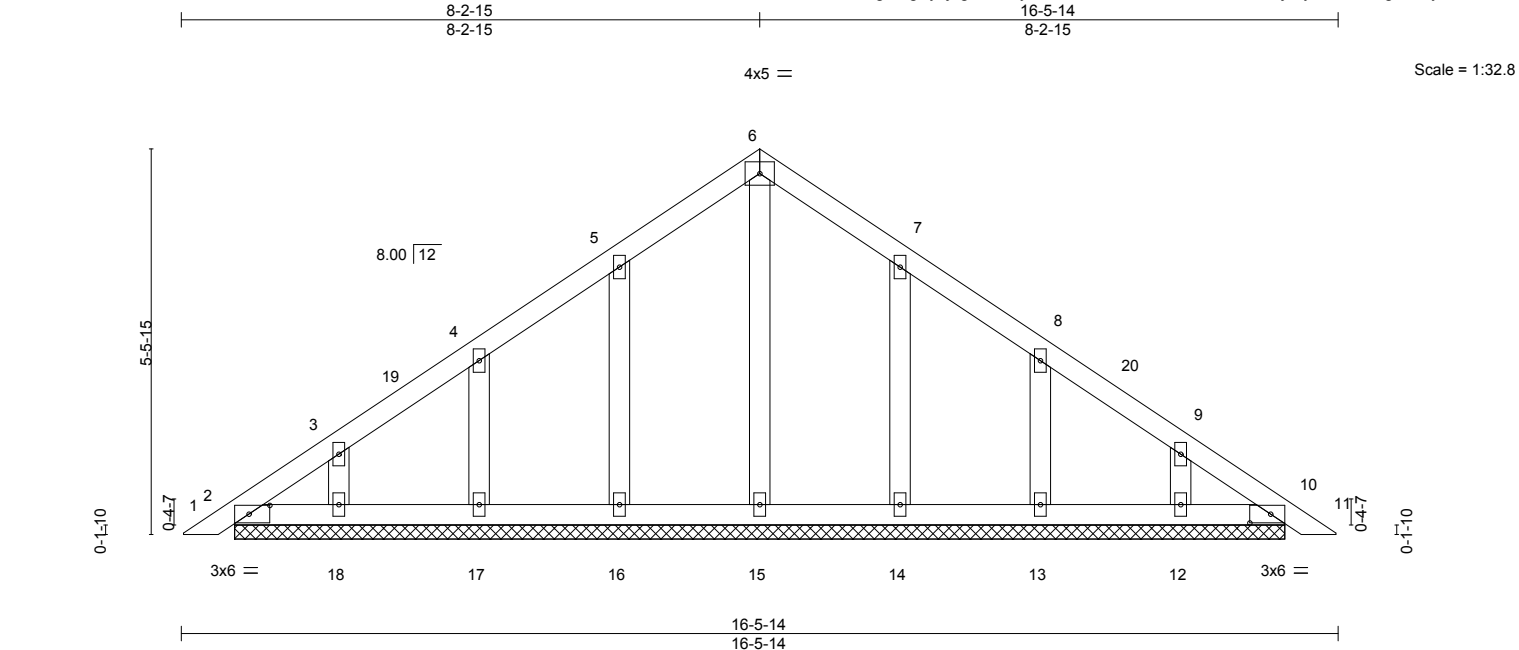
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

| | | | | | | |
|---------|-------|------------|-----|-----|--------------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | CURASCO RES. | T38959544 |
| 4894417 | PB03G | GABLE | 2 | 1 | Job Reference (optional) | |

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Thu Oct 23 12:17:50 2025 Page 1

ID:5r2frgbregYyobjgsnrYiDyVSr7-Rfmb0YRk6r4fcnHVrcP?MNjaJyPZCSFk9gmrcnyQXZ?



| Plate Offsets (X, Y)-- | | [2:0-3-9,0-1-8], [10:0-3-9,0-1-8] | |
|------------------------|-----------------|-----------------------------------|--------------------------|
| LOADING (psf) | SPACING- | 2-0-0 | CSI. |
| TCLL 20.0 | Plate Grip DOL | 1.25 | TC 0.06 |
| TCDL 10.0 | Lumber DOL | 1.25 | BC 0.03 |
| BCLL 0.0 * | Rep Stress Incr | YES | WB 0.06 |
| BCDL 10.0 | Code | FBC2023/TPI2014 | Matrix-S |
| | | | DEFL. |
| | | | in (loc) l/defl L/d |
| | | | Vert(LL) 0.00 10 n/r 120 |
| | | | Vert(CT) 0.00 10 n/r 120 |
| | | | Horz(CT) 0.00 10 n/a n/a |
| | | | PLATES GRIP |
| | | | MT20 244/190 |
| | | | Weight: 78 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.2 | BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. |
| OTHERS 2x4 SP No.3 | |

REACTIONS. All bearings 14-11-10.
(lb) - Max Horz 2=-169(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 10 except 16=-120(LC 12), 17=-117(LC 12), 18=-111(LC 12), 14=-118(LC 13), 13=-118(LC 13), 12=-110(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 10, 15, 16, 17, 18, 14, 13, 12

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

- 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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 0-3-5 to 3-3-5, Zone1 3-3-5 to 8-2-15, Zone2 8-2-15 to 12-2-15, Zone1 12-2-15 to 16-2-9 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 3-6-0 tall by 2-0-0 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 100 lb uplift at joint(s) 2, 10 except (jt=lb) 16=120, 17=117, 18=111, 14=118, 13=118, 12=110.
 - 11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

This item has been digitally signed and sealed by Velez, Joaquin, 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.

Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:

October 24,2025

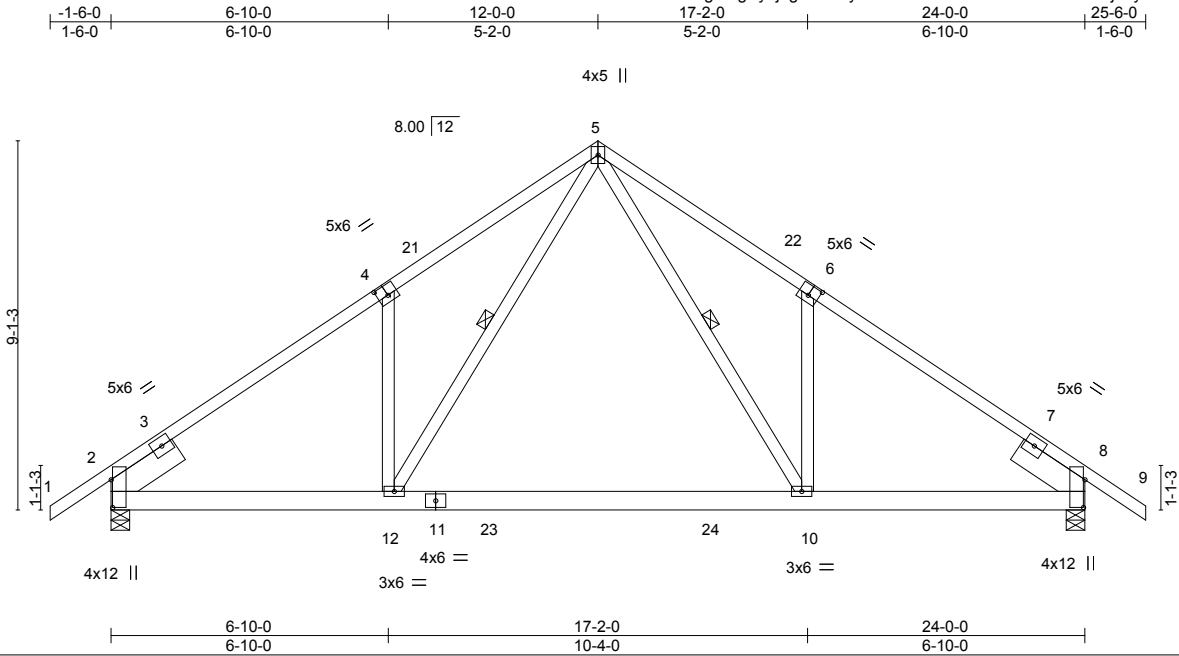
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

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

| | | | | | | |
|---------|-------|------------|-----|-----|--------------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | CURASCO RES. | T38959545 |
| 4894417 | T01 | Common | 8 | 1 | Job Reference (optional) | |

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.830 s Sep 3 2025 MiTek Industries, Inc. Thu Oct 23 12:17:50 2025 Page 1
ID:5r2fgrbgregYyojbgnsrYiDyVSr7-Rfmb0YRk6r4fcnHVrcP?MNjLnYlXCNGk9gmrcnyQXZ?



| | | | | | | | | | | | |
|------------------------------------------------------------------------------------------|-------|----------------------|------|-----------|------|---------------------------|-------------|-------------|-----|----------------|----------|
| Plate Offsets (X,Y)-- [2:0-8-3,0-0-7], [4:0-3-0,0-3-0], [6:0-3-0,0-3-0], [8:0-8-3,0-0-7] | | | | | | | | | | | |
| 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 | 0.99 | Vert(LL) | -0.23 10-12 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.25 | BC | 0.48 | Vert(CT) | -0.46 10-12 | >632 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.38 | Horz(CT) | 0.04 8 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2023/TPI2014 | | Matrix-MS | | | | | | Weight: 160 lb | FT = 20% |

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP 2400F 2.0E or 2x6 SP M 26
WEBS 2x4 SP No.3
SLIDER Left 2x8 SP 2400F 2.0E 1-11-8, Right 2x8 SP 2400F 2.0E 1-11-8

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 5-10, 5-12

REACTIONS. (size) 2=0-5-8, 8=0-5-8
Max Horz 2=-287(LC 10)
Max Uplift 2=-516(LC 12), 8=-516(LC 13)
Max Grav 2=1525(LC 19), 8=1525(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1978/655, 4-5=-2011/871, 5-6=-2011/871, 6-8=-1979/655
BOT CHORD 2-12=-552/1740, 10-12=-259/1126, 8-10=-410/1583
WEBS 5-10=-561/1190, 6-10=-340/362, 5-12=-561/1190, 4-12=-340/362

- 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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 1-6-0 to 1-6-0, Zone1 1-6-0 to 12-0-0, Zone2 12-0-0 to 16-2-15, Zone1 16-2-15 to 25-6-0 zone; end vertical 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 3-6-0 tall by 2-0-0 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 100 lb uplift at joint(s) except (jt=lb) 2=516, 8=516.
 - 7) 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 + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-60, 5-9=-60, 12-13=-20, 10-12=-80(F=-60), 10-17=-20

This item has been digitally signed and sealed by Velez, Joaquin, 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.

Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:

October 24,2025

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

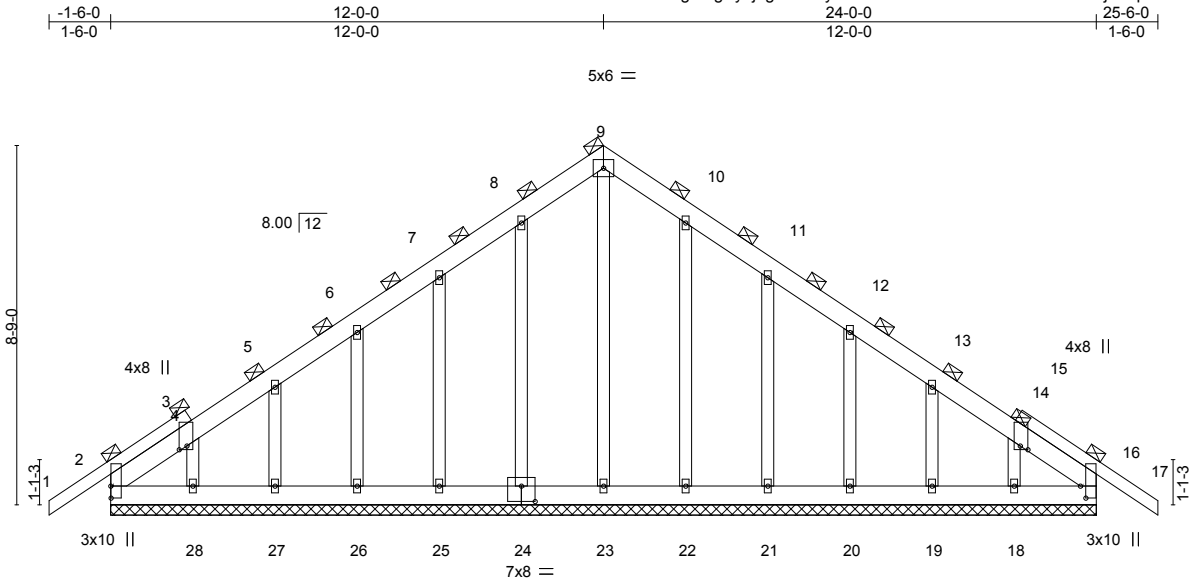
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

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

| | | | | | |
|--------------------------|-------|------------------------|-----|-----|--------------|
| Job | Truss | Truss Type | Qty | Ply | CURASCO RES. |
| 4894417 | T01G | Common Supported Gable | 1 | 1 | T38959546 |
| Job Reference (optional) | | | | | |

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Thu Oct 23 12:17:51 2025 Page 1
ID:5r2frgbregYyobjgsnrYiDyVSr7-wrKz0tSMt9CWDxsiPKwEuaGjrMlqxtYuOKVO8DyQXZ_



| | | | | | |
|-----------------------|----------------------------------------------------------------------------------------|-------|----------|----------|-------------------------|
| Plate Offsets (X,Y)-- | [2:0-3-8,0-0-1], [3:0-1-1,0-2-4], [15:0-1-1,0-2-4], [16:0-3-8,0-1-9], [24:0-4-0,0-4-8] | | | | |
| LOADING (psf) | SPACING- | 2-0-0 | CSI. | DEFL. | in (loc) l/defl L/d |
| TCLL 20.0 | Plate Grip DOL | 1.25 | TC 0.14 | Vert(LL) | -0.00 17 n/r 120 |
| TCDL 10.0 | Lumber DOL | 1.25 | BC 0.03 | Vert(CT) | -0.01 17 n/r 120 |
| BCLL 0.0 * | Rep Stress Incr | YES | WB 0.18 | Horz(CT) | 0.01 16 n/a n/a |
| BCDL 10.0 | Code FBC2023/TPI2014 | | Matrix-S | | |
| | | | | | PLATES GRIP |
| | | | | | MT20 244/190 |
| | | | | | Weight: 205 lb FT = 20% |

LUMBER-

TOP CHORD 2x6 SP No.2 *Except*
1-4,14-17: 2x4 SP No.2
BOT CHORD 2x6 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.

REACTIONS.

All bearings 24-0-0.
(lb) - Max Horz 2=-272(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 16, 24, 22 except 25=-124(LC 12), 26=-116(LC 12),
27=-107(LC 12), 28=-146(LC 12), 21=-127(LC 13), 20=-115(LC 13), 19=-110(LC 13), 18=-135(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 16, 23, 24, 25, 26, 27, 28, 22, 21, 20, 19, 18

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

TOP CHORD 2-3=-257/196

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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end 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 3-6-0 tall by 2-0-0 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 100 lb uplift at joint(s) 2, 16, 24, 22 except (jt=lb) 25=124, 26=116, 27=107, 28=146, 21=127, 20=115, 19=110, 18=135.
- 11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

This item has been digitally signed and sealed by Velez, Joaquin, 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.

Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:

October 24,2025

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcsccomponents.com)

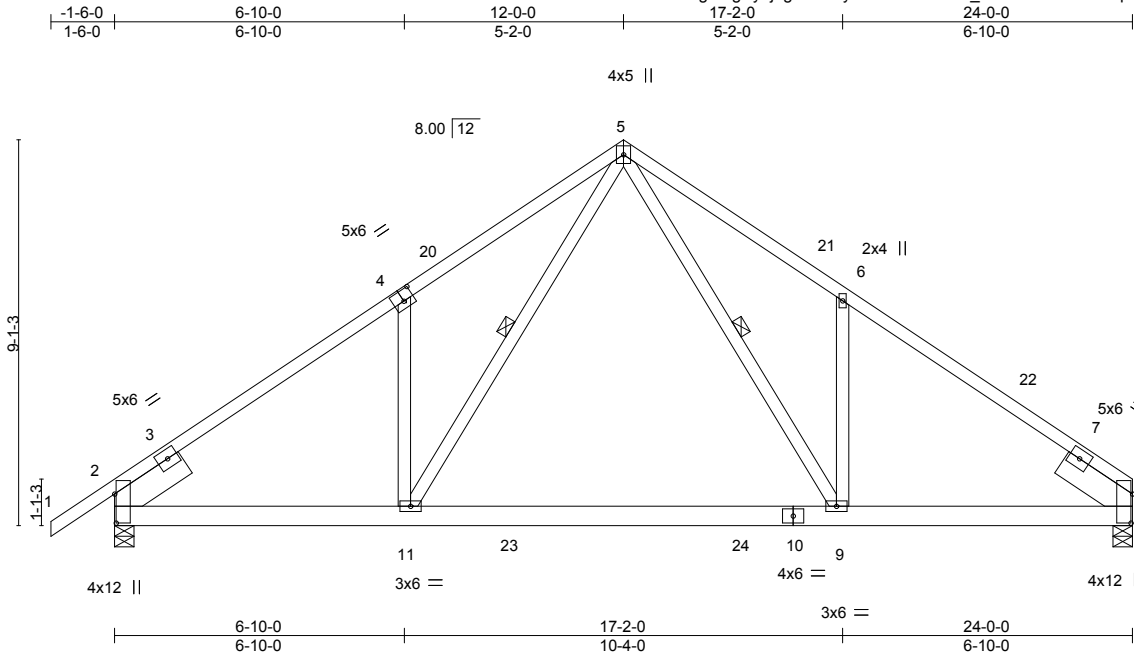
MiTek®

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

| | | | | | | |
|---------|-------|------------|-----|-----|--------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | CURASCO RES. | T38959547 |
| 4894417 | T02 | Common | 3 | 1 | | |

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Thu Oct 23 12:17:52 2025 Page 1
ID:5r2frgbregYyobjgsnrYiDyVSr7-O2uLDDSeSKNr5Ruz1STRophlm_1gGf1d_FyffyQXYz



Scale = 1:54.3

| | | | | | | | | | | | | |
|-------------------------------------------------------------------------|-------|-----------------------|-----------------|-------------|------|----------------------------------|-------|------|---------------|-------------|----------------|----------|
| Plate Offsets (X,Y)-- [2:0-8-3,0-0-7], [4:0-3-0,0-3-0], [8:0-8-3,0-0-7] | | | | | | | | | | | | |
| 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 | 0.99 | Vert(LL) | -0.23 | 9-11 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.25 | BC | 0.48 | Vert(CT) | -0.45 | 9-11 | >636 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.38 | Horz(CT) | 0.04 | 8 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2023/TPI2014 | Matrix-MS | | | | | | | Weight: 158 lb | FT = 20% |

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP 2400F 2.0E or 2x6 SP M 26
WEBS 2x4 SP No.3
SLIDER Left 2x8 SP 2400F 2.0E 1-11-8, Right 2x8 SP 2400F 2.0E 1-11-8

BRACING-

TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 5-9, 5-11

REACTIONS.

(size) 8=0-5-8, 2=0-5-8
Max Horz 2=276(LC 9)
Max Uplift 8=463(LC 13), 2=-516(LC 12)
Max Grav 8=1435(LC 20), 2=1526(LC 19)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1981/656, 4-5=-2013/872, 5-6=-2029/884, 6-8=-1990/676
BOT CHORD 2-11=-573/1726, 9-11=-281/1113, 8-9=-432/1574
WEBS 5-9=-575/1212, 6-9=-347/367, 5-11=-560/1188, 4-11=-340/362

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-6-0 to 1-6-0, Zone1 1-6-0 to 12-0-0, Zone2 12-0-0 to 16-2-15, Zone1 16-2-15 to 24-0-0 zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 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) 8=463, 2=516.
- 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

- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-60, 5-8=-60, 11-16=-20, 9-11=-80(F=-60), 9-12=-20

This item has been digitally signed and sealed by Velez, Joaquin, 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.

Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:

October 24,2025

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

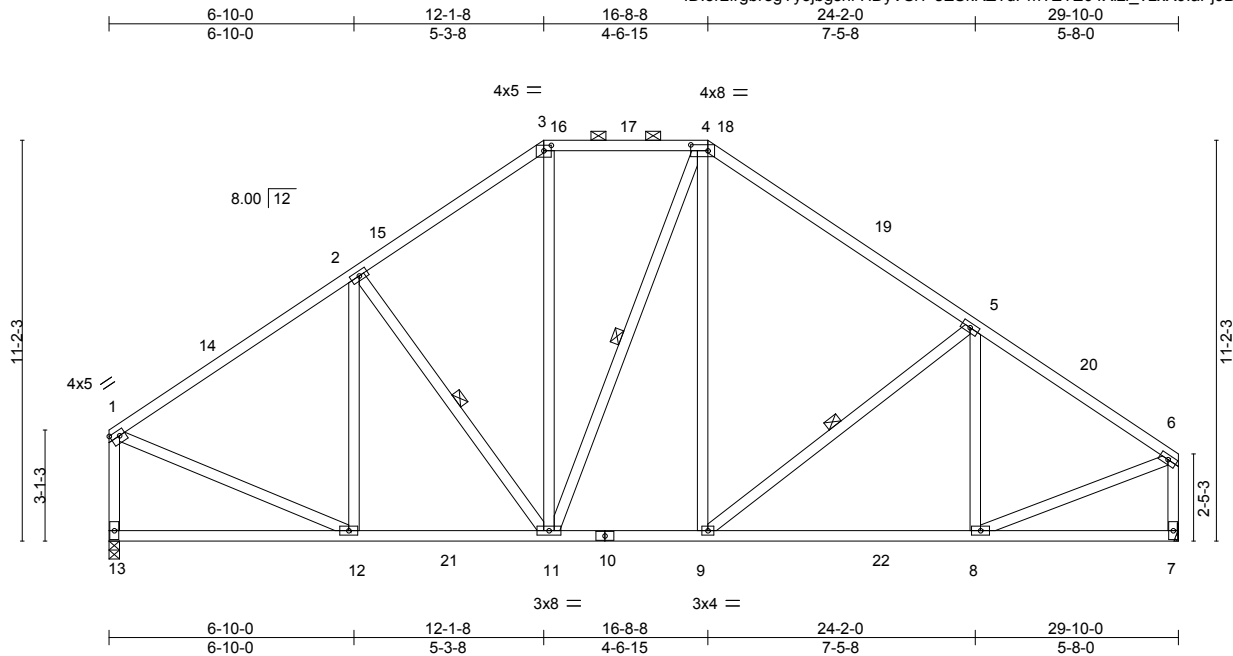
MiTek®

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

| | | | | | | |
|---------|-------|----------------|-----|-----|--------------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | CURASCO RES. | T38959548 |
| 4894417 | T03 | Piggyback Base | 1 | 1 | Job Reference (optional) | |

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Thu Oct 23 12:17:53 2025 Page 1
ID:5r2frgbregYyobjgsnrYiDyVSr7-sESkRZTdPmTETE04Xlzi_?LxX9laPj9Bre_VB6yQXYy



| | | | | | | | | | | | |
|---------------------------------------------------------------------------|-------|-----------------|-----------------|-----------|------|---------------------------|-------|-----|-------------|-----|-------------------------|
| Plate Offsets (X,Y)-- [1:Edge,0-1-12], [3:0-2-8,0-1-13], [4:0-5-12,0-2-0] | | | | | | | | | | | |
| 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 | 0.64 | Vert(LL) | -0.11 | 8-9 | >999 | 240 | MT20 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.25 | BC | 0.58 | Vert(CT) | -0.20 | 8-9 | >999 | 180 | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.43 | Horz(CT) | 0.03 | 7 | n/a | n/a | |
| BCDL | 10.0 | Code | FBC2023/TPI2014 | Matrix-MS | | | | | | | Weight: 217 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 4-1-3 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-4.
BOT CHORD Rigid ceiling directly applied or 9-7-10 oc bracing.
WEBS 1 Row at midpt 2-11, 4-11, 5-9

REACTIONS.

(size) 13=0-3-8, 7=Mechanical
Max Horz 13=-274(LC 8)
Max Uplift 13=-399(LC 12), 7=-406(LC 13)
Max Grav 13=1313(LC 2), 7=1324(LC 20)

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

TOP CHORD 1-2=-1267/408, 2-3=-1146/500, 3-4=-882/463, 4-5=-1209/476, 5-6=-1359/431, 1-13=-1208/415, 6-7=-1253/416
BOT CHORD 12-13=-273/302, 11-12=-373/1126, 9-11=-177/926, 8-9=-279/1084
WEBS 2-11=-321/269, 3-11=-180/440, 4-9=-143/485, 5-9=-365/297, 1-12=-240/1017, 6-8=-287/1135

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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 0-1-12 to 3-1-12, Zone1 3-1-12 to 12-1-8, Zone2 12-1-8 to 16-4-7, Zone1 16-4-7 to 16-8-8, Zone2 16-8-8 to 20-11-6, Zone1 20-11-6 to 29-8-4 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) Provide adequate drainage to prevent water ponding.
- 5) All plates are 3x6 MT20 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 8) Refer to girder(s) for 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) 13=399, 7=406.
- 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

This item has been digitally signed and sealed by Velez, Joaquin, 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.

Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:

October 24,2025

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

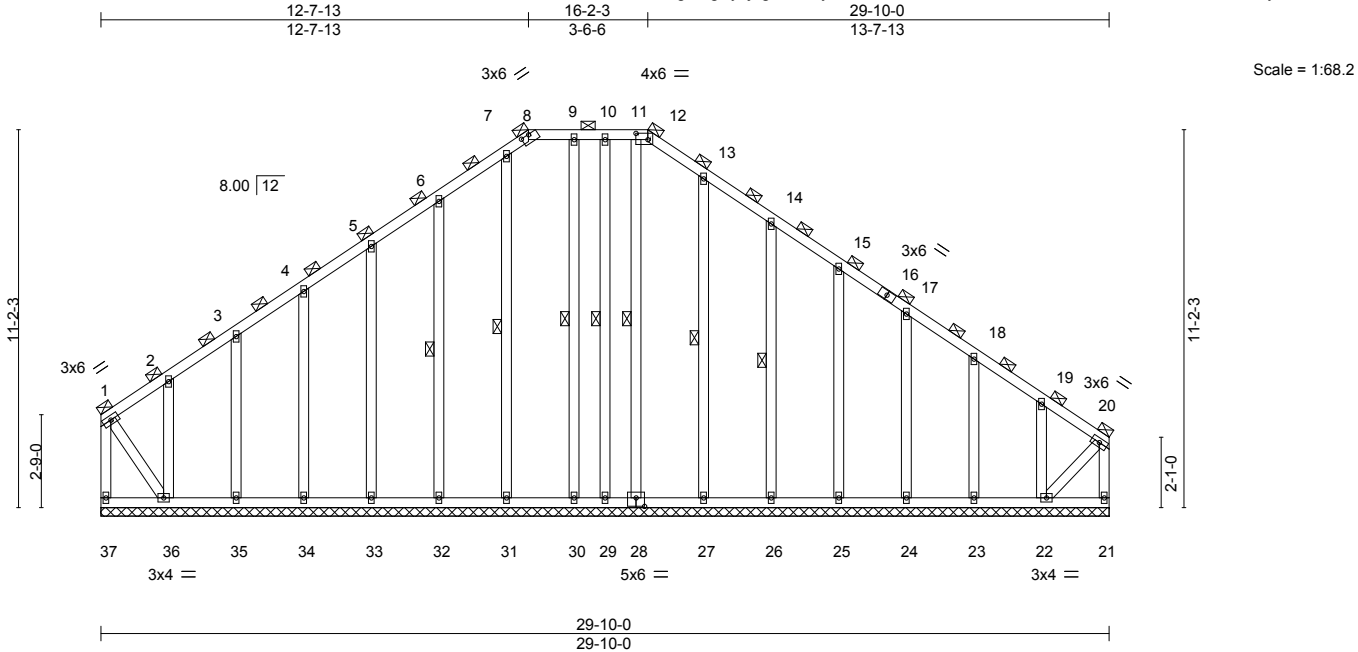
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

MiTek®

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

| | | | | | |
|--------------------------|-------|------------|-----|-----|--------------|
| Job | Truss | Truss Type | Qty | Ply | CURASCO RES. |
| 4894417 | T03G | GABLE | 1 | 1 | T38959549 |
| Job Reference (optional) | | | | | |

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.830 s Sep 3 2025 MiTek Industries, Inc. Thu Oct 23 12:17:54 2025 Page 1
ID:5r2frgbregYyoybgsnrYiDyVSr7-KQ06evUFA4b54OaH4SUxWDuFQZn38EhK4Hk3kYyQXYx



| | | | | | | | | | | | |
|---------------------------------------------------------------------------|-------|----------------------|------|----------|------|----------|------|---------------------|-----|-------------|-------------------------|
| Plate Offsets (X,Y)-- [8:0-3-0,0-0-2], [12:0-4-4,0-2-4], [28:0-3-0,0-3-0] | | | | | | | | | | | |
| 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 | 0.12 | 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 | 0.16 | Horz(CT) | 0.01 | 22 | n/a | n/a | |
| BCDL | 10.0 | Code FBC2023/TPI2014 | | Matrix-S | | | | | | | Weight: 274 lb FT = 20% |

| | |
|-----------------------|------------------------------------------------------------------|
| LUMBER- | BRACING- |
| TOP CHORD 2x4 SP No.2 | TOP CHORD 2-0-0 oc purlins (6-0-0 max.), 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 | WEBS 1 Row at midpt 10-29, 14-26, 13-27, 11-28, 6-32, 7-31, 9-30 |
| OTHERS 2x4 SP No.3 | |

REACTIONS. All bearings 29-10-0.
(lb) - Max Horz 37=-285(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 29, 27, 31, 30 except 37=-281(LC 10), 21=-164(LC 11), 22=-330(LC 13), 23=-115(LC 13), 24=-115(LC 13), 25=-113(LC 13), 26=-125(LC 13), 36=-401(LC 12), 35=-115(LC 12), 34=-115(LC 12), 33=-113(LC 12), 32=-135(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 29, 23, 24, 25, 26, 27, 28, 35, 34, 33, 32, 31, 30 except 37=375(LC 12), 21=304(LC 13), 22=277(LC 20), 36=361(LC 10)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-37=-368/294, 6-7=-179/281, 7-8=-174/268, 8-9=-165/275, 9-10=-165/275, 10-11=-165/275, 11-12=-165/275, 12-13=-188/296, 20-21=-298/179
BOT CHORD 36-37=-276/284
WEBS 1-36=-275/348, 20-22=-183/295

- 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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end 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) Provide adequate drainage to prevent water ponding.
 - 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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 29, 27, 31, 30 except (jt=lb) 37=281, 21=164, 22=330, 23=115, 24=115, 25=113, 26=125, 36=401, 35=115, 34=115, 33=113, 32=135.
 - 13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

This item has been digitally signed and sealed by Velez, Joaquin, 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.

Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:

October 24,2025

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

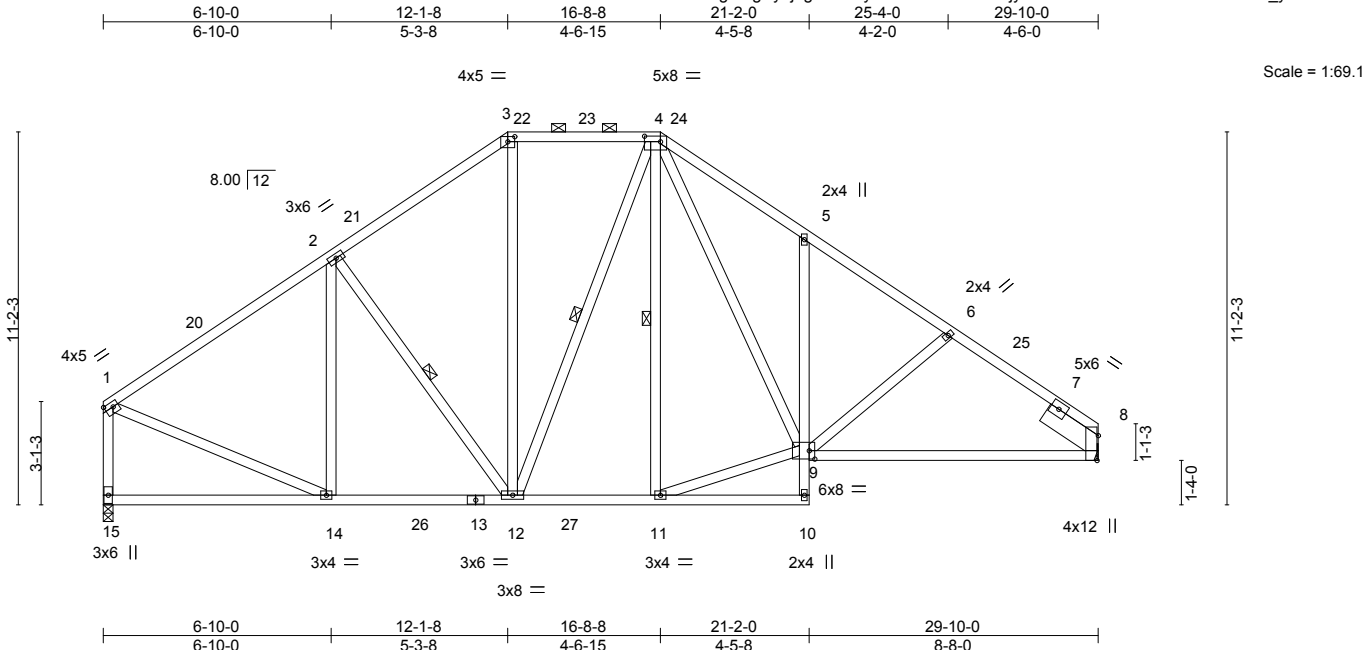
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

MiTek®

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

| | | | | | | |
|---------|-------|----------------|-----|-----|--------------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | CURASCO RES. | T38959550 |
| 4894417 | T04 | Piggyback Base | 2 | 1 | Job Reference (optional) | |

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.830 s Sep 3 2025 MiTek Industries, Inc. Thu Oct 23 12:17:55 2025 Page 1
ID:5r2frgbregYyobjgsnrYiDyVSr7-odaUsFVbNjviY9TeA?A3QRFNzt8tWmTJxTcG_yQXYw



| Plate Offsets (X,Y)-- | [1:Edge,0-1-12], [3:0-2-8,0-1-13], [4:0-5-12,0-2-0], [8:0-8-15,Edge], [9:0-2-0,0-3-0] | | | | | | | | | |
|-----------------------|---------------------------------------------------------------------------------------|-------|-------------|--------------|-------|-------|--------|-----|----------------|-------------|
| 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 0.81 | Vert(LL) | -0.11 | 9-18 | >999 | 240 | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL | 1.25 | BC 0.96 | Vert(CT) | -0.23 | 9-18 | >999 | 180 | | |
| BCLL 0.0 * | Rep Stress Incr | YES | WB 0.87 | Horz(CT) | 0.07 | 8 | n/a | n/a | | |
| BCDL 10.0 | Code FBC2023/TPI2014 | | Matrix-MS | | | | | | Weight: 230 lb | FT = 20% |

| | |
|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| LUMBER- | BRACING- |
| TOP CHORD 2x4 SP No.2 | TOP CHORD Structural wood sheathing directly applied or 2-4-13 oc purlins, except end verticals, and 2-0-0 oc purlins (5-11-5 max.): 3-4. |
| BOT CHORD 2x4 SP No.2 *Except* 5-10: 2x4 SP No.3 | BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing. |
| WEBS 2x4 SP No.3 | WEBS 1 Row at midpt 2-12, 4-12, 4-11 |
| SLIDER Right 2x8 SP 2400F 2.0E 1-11-8 | |

REACTIONS. (size) 8=Mechanical, 15=0-3-8
Max Horz 15=-277(LC 8)
Max Uplift 8=-408(LC 13), 15=-401(LC 12)
Max Grav 8=1301(LC 20), 15=1310(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1262/411, 2-3=-1142/503, 3-4=-880/466, 4-5=-1558/718, 5-6=-1519/529,
6-8=-1628/557, 1-15=-1204/417
BOT CHORD 14-15=-273/303, 12-14=-372/1123, 11-12=-175/910, 5-9=-363/313, 8-9=-355/1268
WEBS 2-12=-319/268, 3-12=-162/417, 9-11=-156/937, 4-9=-429/923, 1-14=-242/1012

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 0-1-12 to 3-1-12, Zone1 3-1-12 to 12-1-8, Zone2 12-1-8 to 16-4-7, Zone1 16-4-7 to 16-8-8, Zone2 16-8-8 to 21-1-4, Zone1 21-1-4 to 29-10-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 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) except (jt=lb) 8=408, 15=401.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

This item has been digitally signed and sealed by Velez, Joaquin, 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.

Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:

October 24,2025

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

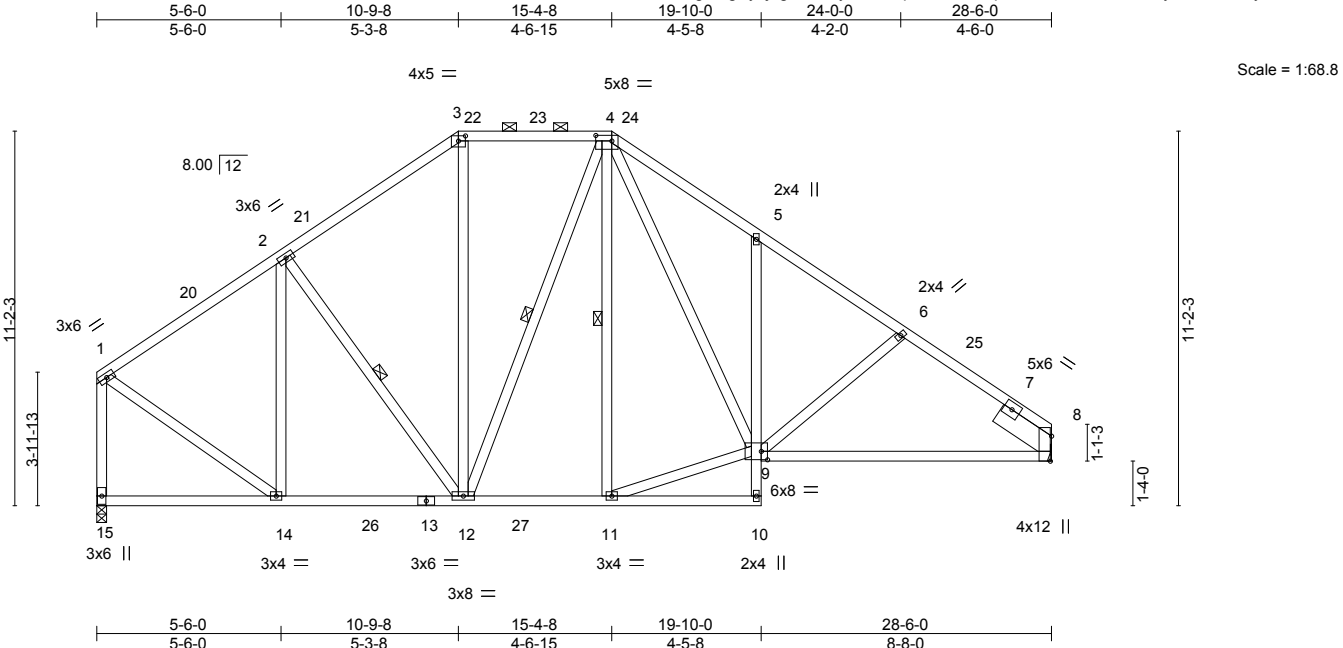
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

MiTek®

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

| | | | | | | |
|---------|-------|----------------|-----|-----|--------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | CURASCO RES. | T38959551 |
| 4894417 | T05 | Piggyback Base | 3 | 1 | | |

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.830 s Sep 3 2025 MiTek Industries, Inc. Thu Oct 23 12:17:56 2025 Page 1
ID:5r2frgbregYyobjgsnrYiDyVSr7-Gp8s3bWVihrpKikfCtWPbezR9NEvcy8dXbD9oRyQXYv



| | | | | | | | | | | | |
|--------------------------------------------------------------------------------------------|-------|----------------------|------|-----------|------|----------|-------|---------------------|------|-------------|-------------------------|
| Plate Offsets (X,Y)-- [3:0-2-8,0-1-13], [4:0-5-12,0-2-0], [8:0-8-15,Edge], [9:0-2-4,0-3-0] | | | | | | | | | | | |
| 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 | 0.74 | Vert(LL) | -0.11 | 9-18 | >999 | 240 | MT20 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.25 | BC | 0.93 | Vert(CT) | -0.23 | 9-18 | >999 | 180 | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.86 | Horz(CT) | 0.07 | 8 | n/a | n/a | |
| BCDL | 10.0 | Code FBC2023/TPI2014 | | Matrix-MS | | | | | | | Weight: 226 lb FT = 20% |

| | |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| LUMBER- | BRACING- |
| TOP CHORD 2x4 SP No.2 | TOP CHORD Structural wood sheathing directly applied or 3-0-3 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-4. |
| BOT CHORD 2x4 SP No.2 *Except* 5-10: 2x4 SP No.3 | BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing. |
| WEBS 2x4 SP No.3 | WEBS 1 Row at midpt 2-12, 4-12, 4-11 |
| SLIDER Right 2x8 SP 2400F 2.0E 1-11-8 | |

REACTIONS. (size) 8=Mechanical, 15=0-3-8
Max Horz 15=-274(LC 8)
Max Uplift 8=-390(LC 13), 15=-377(LC 12)
Max Grav 8=1246(LC 20), 15=1255(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1007/343, 2-3=-1025/459, 3-4=-786/432, 4-5=-1472/690, 5-6=-1428/499, 6-8=-1541/529, 1-15=-1176/402
BOT CHORD 14-15=-252/277, 12-14=-293/924, 11-12=-147/838, 5-9=-359/312, 8-9=-334/1200
WEBS 2-14=-364/178, 3-12=-135/351, 9-11=-129/866, 4-9=-424/909, 1-14=-243/935

- 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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 0-1-12 to 3-1-12, Zone1 3-1-12 to 10-9-8, Zone2 10-9-8 to 15-0-7, Zone1 15-0-7 to 15-4-8, Zone2 15-4-8 to 19-9-4, Zone1 19-9-4 to 28-6-0 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) 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 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) except (jt=lb) 8=390, 15=377.
 - 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

This item has been digitally signed and sealed by Velez, Joaquin, 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.

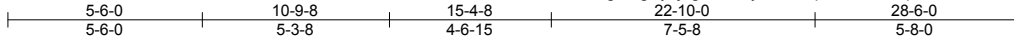
Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:
October 24,2025

| | | | | | | |
|---------|-------|----------------|-----|-----|--------------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | CURASCO RES. | T38959552 |
| 4894417 | T06 | Piggyback Base | 1 | 1 | Job Reference (optional) | |

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Thu Oct 23 12:17:56 2025 Page 1

ID:5r2frgbregYyobjgsnrYiDyVSr7-Gp8s3bWVihrpKikfCtWPbezT6NJMc3FdXbD9oRyQXYv



Scale = 1:65.2

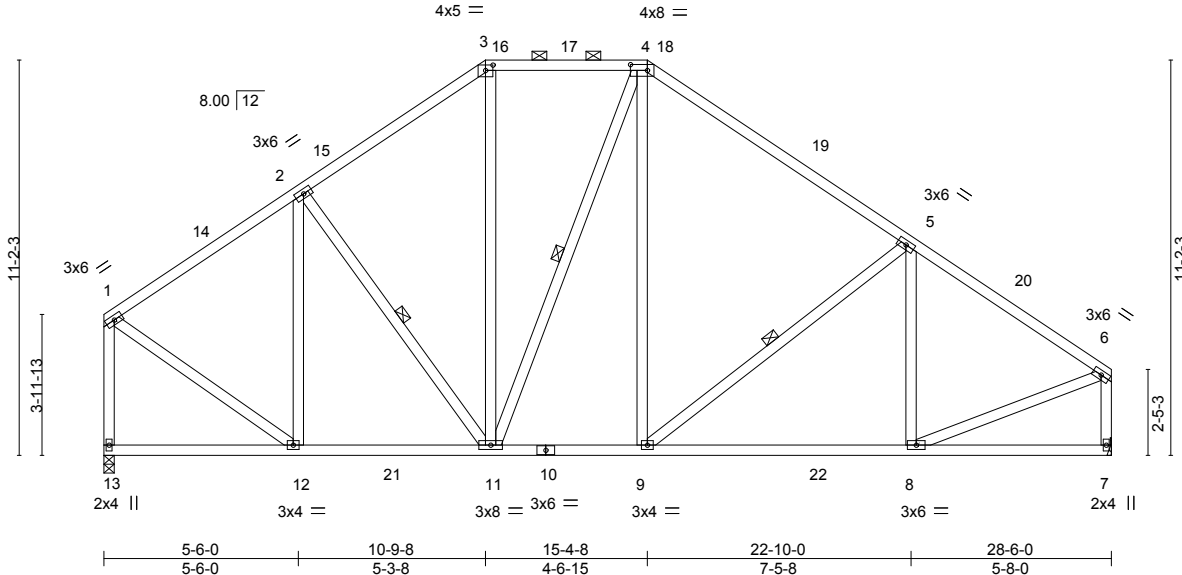


Plate Offsets (X,Y)-- [3:0-2-8,0-1-13], [4:0-5-12,0-2-0]

| 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 0.62 | Vert(LL) | -0.10 | 8-9 | >999 | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL | 1.25 | BC 0.58 | Vert(CT) | -0.20 | 8-9 | >999 | | |
| BCLL 0.0 * | Rep Stress Incr | YES | WB 0.41 | Horz(CT) | 0.03 | 7 | n/a | | |
| BCDL 10.0 | Code FBC2023/TPI2014 | | Matrix-MS | | | | | Weight: 212 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 4-4-1 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-4.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 2-11, 4-11, 5-9

REACTIONS.

(size) 13=0-3-8, 7=Mechanical
Max Horz 13=-271(LC 8)
Max Uplift 13=-375(LC 12), 7=-387(LC 13)
Max Grav 13=1259(LC 2), 7=1270(LC 20)

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

TOP CHORD 1-2=-1011/341, 2-3=-1029/457, 3-4=-788/430, 4-5=-1124/446, 5-6=-1293/410,
1-13=-1181/400, 6-7=-1198/398
BOT CHORD 12-13=-250/275, 11-12=-295/927, 9-11=-150/854, 8-9=-262/1029
WEBS 2-12=-360/178, 3-11=-153/375, 4-11=-271/172, 4-9=-147/493, 5-9=-384/303,
1-12=-241/940, 6-8=-267/1076

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 0-1-12 to 3-1-12, Zone1 3-1-12 to 10-9-8, Zone2 10-9-8 to 15-0-7, Zone1 15-0-7 to 15-4-8, Zone2 15-4-8 to 19-7-6, Zone1 19-7-6 to 28-4-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 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) except (jt=lb) 13=375, 7=387.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

This item has been digitally signed and sealed by Velez, Joaquin, 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.

Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:

October 24,2025

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcsccomponents.com)

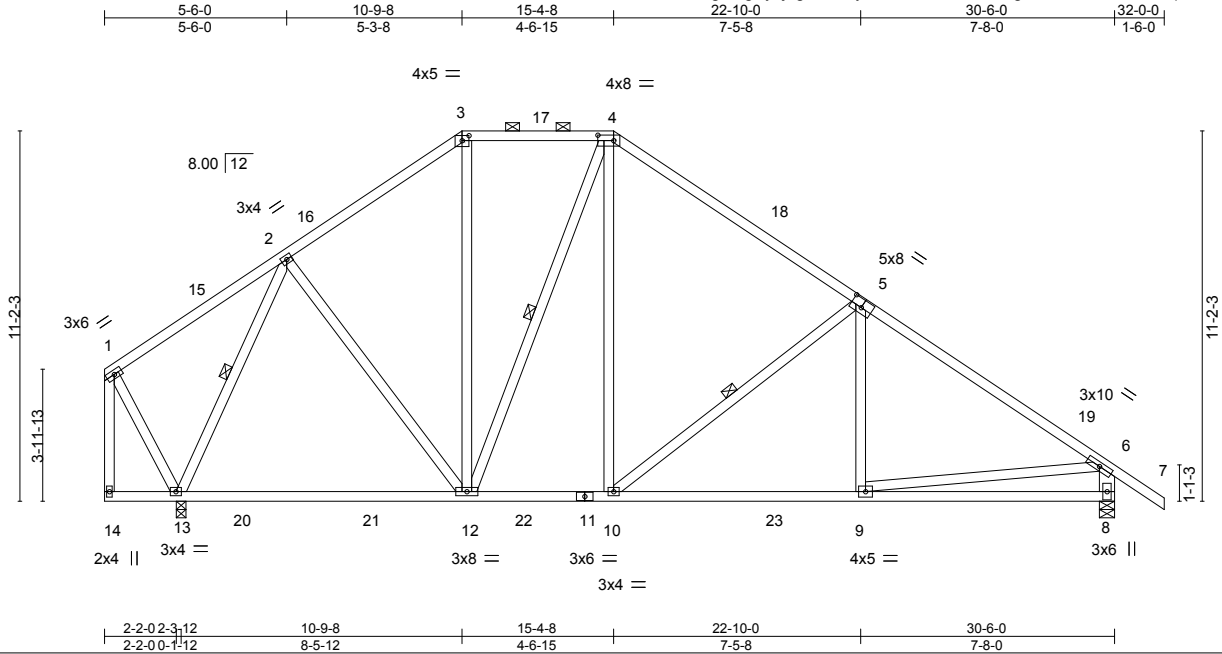
MiTek®

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

| | | | | | | |
|---------|-------|----------------|-----|-----|--------------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | CURASCO RES. | T38959553 |
| 4894417 | T07 | Piggyback Base | 2 | 1 | Job Reference (optional) | |

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Thu Oct 23 12:17:57 2025 Page 1
ID:5r2frgbregYyojbgsnrYIDyVSr7-k?iEGxW7T?zgxsJsmB1e8rWdHndqLVGmmFyjKtyQXYu



Scale = 1:69.6

| | | | | | | | | | | |
|-----------------------|-------|-----------------------------------------------------|--|-----------|------|---------------------------|-------------|------|-------------|-------------------------|
| Plate Offsets (X,Y)-- | | [3:0-2-8,0-1-13], [4:0-5-12,0-2-0], [5:0-4-0,0-3-0] | | | | | | | | |
| 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 | 0.66 | Vert(LL) | -0.20 12-13 | >999 | 240 | MT20 244/190 |
| TCDL | 10.0 | Lumber DOL 1.25 | | BC | 0.76 | Vert(CT) | -0.32 12-13 | >999 | 180 | |
| BCLL | 0.0 * | Rep Stress Incr YES | | WB | 0.49 | Horz(CT) | 0.03 8 | 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
WEBS 2x4 SP No.3 *Except*
6-8: 2x6 SP No.2

REACTIONS.

(size) 13=0-3-8, 8=0-5-8
Max Horz 13=-356(LC 8)
Max Uplift 13=-426(LC 12), 8=-458(LC 13)
Max Grav 13=1460(LC 2), 8=1379(LC 20)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-932/422, 3-4=-707/398, 4-5=-1096/438, 5-6=-1595/497, 6-8=-1265/477
BOT CHORD 12-13=-249/665, 10-12=-123/866, 9-10=-250/1239, 8-9=-172/290
WEBS 2-13=-1184/447, 2-12=-147/429, 3-12=-138/329, 4-12=-420/237, 4-10=-212/622,
5-10=-688/403, 5-9=0/288, 6-9=-147/996

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 0-1-12 to 3-2-6, Zone1 3-2-6 to 10-9-8, Zone3 10-9-8 to 15-4-8, Zone2 15-4-8 to 19-8-4, Zone1 19-8-4 to 32-0-0 zone; cantilever left exposed; end vertical right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 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) 13=426, 8=458.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

This item has been digitally signed and sealed by Velez, Joaquin, 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.

Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:

October 24,2025

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

MiTek®

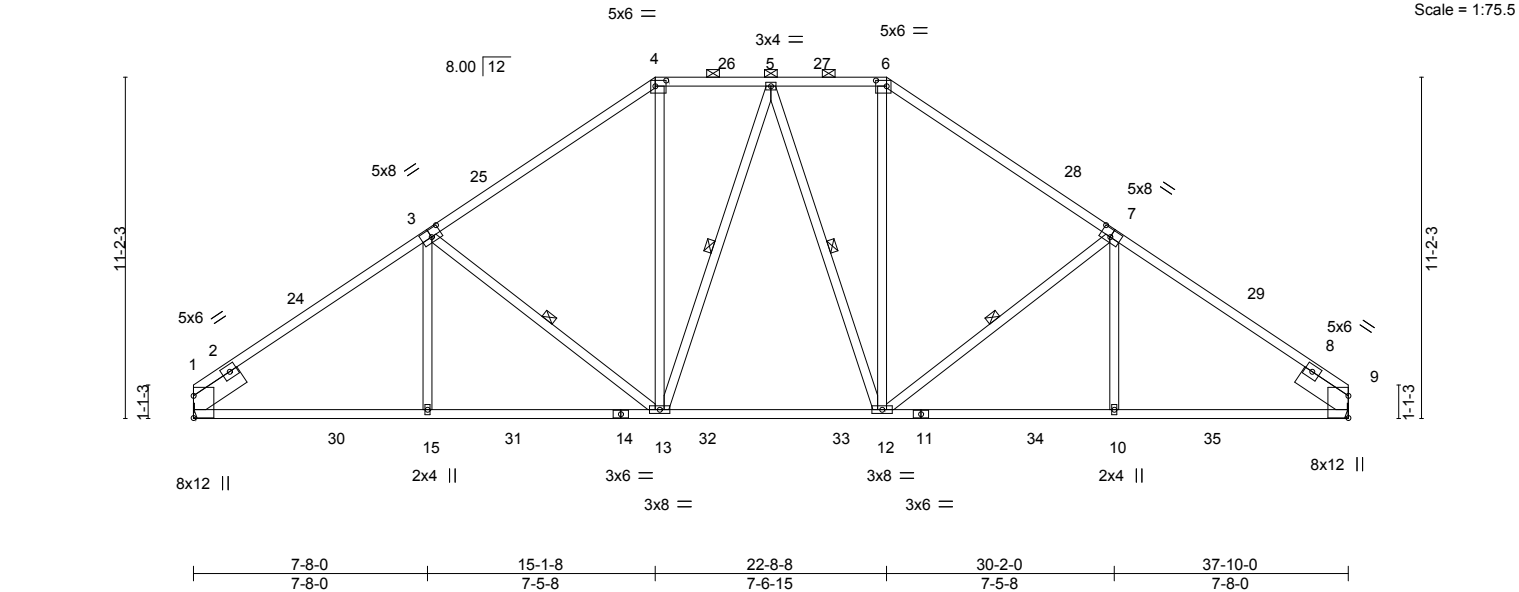
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

| | | | | | | |
|--------------------------|-------|----------------|-----|-----|--------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | CURASCO RES. | T38959555 |
| 4894417 | T09 | Piggyback Base | 5 | 1 | | |
| Job Reference (optional) | | | | | | |

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Thu Oct 23 12:17:59 2025 Page 1

ID:5r2frgbregYyobjgsnrYiDyVSr7-hOp?hcYN_cDOB9TEt?46DGbxVaLbpPi3EZRqPlyQXYs



| | | | | | | | | | | | | | | | | | | | |
|-----------------------|--|----------------------|--|--|--|-----------|--|-------------------------------|--|--------------------------------------------------------------------|--|----------------|--|----------|--|--|--|--|--|
| Plate Offsets (X,Y)-- | | | | | | | | | | [3:0-4-0,0-3-0], [4:0-4-4,0-2-4], [6:0-4-4,0-2-4], [7:0-4-0,0-3-0] | | | | | | | | | |
| 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 0.80 | | Vert(LL) -0.21 13-15 >999 240 | | | | MT20 | | 244/190 | | | | | |
| TCDL 10.0 | | Lumber DOL 1.25 | | | | BC 0.61 | | Vert(CT) -0.39 13-15 >999 180 | | | | | | | | | | | |
| BCLL 0.0 * | | Rep Stress Incr YES | | | | WB 0.49 | | Horz(CT) 0.16 9 n/a n/a | | | | | | | | | | | |
| BCDL 10.0 | | Code FBC2023/TPI2014 | | | | Matrix-MS | | | | | | Weight: 243 lb | | FT = 20% | | | | | |

| | |
|------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| LUMBER- | BRACING- |
| TOP CHORD | TOP CHORD |
| 2x4 SP No.1 *Except* 4-6: 2x4 SP No.2 1-3,7-9: 2x4 SP 2700F 2.2E or 2x4 SP 2850F 2.0E or 2x4 SP M 31 | Structural wood sheathing directly applied or 2-2-0 oc purlins, except 2-0-0 oc purlins (4-7-8 max.): 4-6. |
| BOT CHORD | BOT CHORD |
| 2x4 SP 2700F 2.2E or 2x4 SP 2850F 2.0E or 2x4 SP M 31 | Rigid ceiling directly applied or 9-6-6 oc bracing. |
| WEBS | WEBS |
| 2x4 SP No.3 | 1 Row at midpt 3-13, 5-13, 5-12, 7-12 |
| SLIDER | |
| Left 2x8 SP 2400F 2.0E 1-11-8, Right 2x8 SP 2400F 2.0E 1-11-8 | |

REACTIONS. (size) 1=Mechanical, 9=Mechanical
Max Horz 1=322(LC 9)
Max Uplift 1=-534(LC 12), 9=-534(LC 13)
Max Grav 1=1728(LC 2), 9=1728(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-3=-2333/726, 3-4=-1875/672, 4-5=-1481/647, 5-6=-1481/647, 6-7=-1875/672, 7-9=-2333/726
BOT CHORD 1-15=-674/2002, 13-15=-675/2000, 12-13=-332/1502, 10-12=-458/1838, 9-10=-457/1840
WEBS 3-15=0/319, 3-13=-635/401, 4-13=-214/675, 5-13=-240/253, 5-12=-240/253, 6-12=-214/675, 7-12=-636/402, 7-10=0/319

- 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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 0-0-0 to 3-9-6, Zone1 3-9-6 to 15-1-8, Zone2 15-1-8 to 20-5-12, Zone1 20-5-12 to 22-8-8, Zone2 22-8-8 to 28-0-11, Zone1 28-0-11 to 37-10-0 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) 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 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) except (jt=lb) 1=534, 9=534.
 - 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

This item has been digitally signed and sealed by Velez, Joaquin, 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.

Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:

October 24,2025

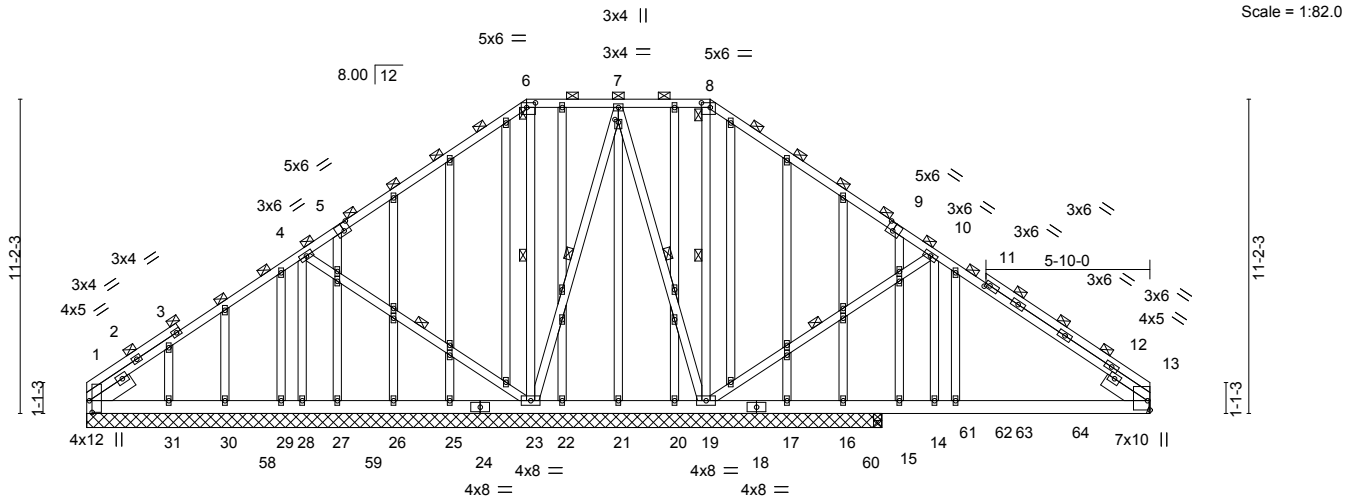
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

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

| | | | | | | |
|--------------------------|-------|------------|-----|-----|--------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | CURASCO RES. | T38959556 |
| 4894417 | T09G | GABLE | 1 | 1 | | |
| Job Reference (optional) | | | | | | |

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.830 s Sep 3 2025 MiTek Industries, Inc. Thu Oct 23 12:18:01 2025 Page 1
ID:5r2frgbregYyobjgsnrYIDyVSr7-dnxl6lZeWDT6QTdd?Q6alhgG8O_MHI4MhtwwTeyQXYq



| | | | | | | | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|
| <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> | | | | | | | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|

LUMBER-

TOP CHORD 2x4 SP No.2 *Except*
1-5,9-13: 2x4 SP No.1
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 1-8-5, Right 2x6 SP No.2 1-8-5

BRACING-

TOP CHORD 2-0-0 oc purlins (5-11-15 max.).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
6-0-0 oc bracing: 22-23,21-22,20-21,19-20.
WEBS 1 Row at midpt 4-23, 6-23, 7-23, 7-19, 8-19, 10-19

REACTIONS.

All bearings 28-3-8 except (jt=length) 13=Mechanical, 15=0-3-8.
(lb) - Max Horz 1=329(LC 4)
Max Uplift All uplift 100 lb or less at joint(s) 1, 29, 30, 16 except 28=276(LC 29),
23=331(LC 8), 19=663(LC 9), 13=814(LC 9), 31=174(LC 8), 15=212(LC 30)
Max Grav All reactions 250 lb or less at joint(s) 1, 21, 22, 25, 26, 27, 29, 30, 20,
17, 16 except 28=410(LC 15), 23=520(LC 21), 19=1093(LC 36), 13=1459(LC 36),
31=259(LC 35), 15=279(LC 16)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-4=-316/168, 10-13=-1068/546
BOT CHORD 22-23=-194/326, 21-22=-194/326, 20-21=-194/326, 19-20=-194/326, 17-19=-347/817,
16-17=-347/817, 15-16=-347/817, 14-15=-347/817, 13-14=-362/847
WEBS 4-28=-406/294, 6-23=-366/238, 8-19=-362/212, 10-19=-1174/813, 10-14=-332/643

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; 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.
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 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) 1, 29, 30, 16 except (jt=lb) 28=276, 23=331, 19=663, 13=814, 31=174, 15=212.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

This item has been digitally signed and sealed by Velez, Joaquin, 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.

Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:

October 24,2025

Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcsccomponents.com)

MiTek®

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

| | | | | | | |
|---------|-------|------------|-----|-----|--------------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | CURASCO RES. | T38959556 |
| 4894417 | T09G | GABLE | 1 | 1 | Job Reference (optional) | |

- NOTES-**
- 13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 58 lb down and 60 lb up at 29-10-12, 17 lb down and 25 lb up at 31-2-12, 274 lb down and 215 lb up at 33-2-12, and 274 lb down and 215 lb up at 35-2-12, and 278 lb down and 211 lb up at 37-5-13 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 14) 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 + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
- Uniform Loads (plf)
- Vert: 1-6=-60, 6-8=-60, 8-13=-60, 1-13=-20
- Concentrated Loads (lb)
- Vert: 14=-2(B) 13=-277(B) 61=-17 63=-273(B) 64=-273(B)

⚠ WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

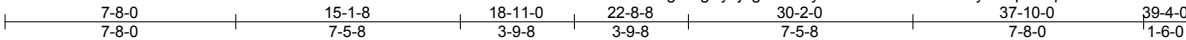
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbccomponents.com)

| | | | | | | |
|---------|-------|----------------|-----|-----|--------------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | CURASCO RES. | T38959557 |
| 4894417 | T10 | Piggyback Base | 2 | 1 | Job Reference (optional) | |

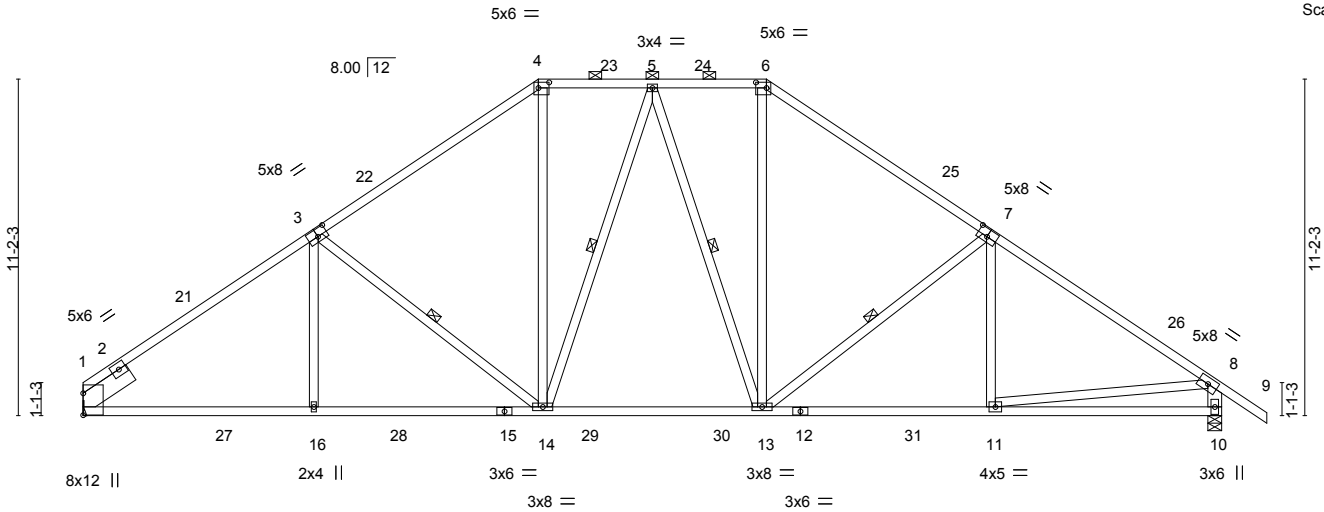
Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.830 s Sep 3 2025 MiTek Industries, Inc. Thu Oct 23 12:18:02 2025 Page 1

ID:5r2frgbregYyobjgsnrYiDyVSr7-5zV7KeaGHXby2dCpY8dprvDSzoMR0IFVwXgU04yQXYp



Scale = 1:76.6



| | |
|-----------------------|--------------------------------------------------------------------|
| Plate Offsets (X,Y)-- | [3:0-4-0,0-3-0], [4:0-4-4,0-2-4], [6:0-4-4,0-2-4], [7:0-4-0,0-3-0] |
|-----------------------|--------------------------------------------------------------------|

| 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 0.79 | Vert(LL) | -0.19 14-16 | >999 | 240 | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL | 1.25 | BC 0.60 | Vert(CT) | -0.35 14-16 | >999 | 180 | | |
| BCLL 0.0 * | Rep Stress Incr | YES | WB 0.57 | Horz(CT) | -0.08 1 | n/a | n/a | | |
| BCDL 10.0 | Code FBC2023/TPI2014 | | Matrix-MS | | | | | Weight: 252 lb | FT = 20% |

LUMBER-

TOP CHORD 2x4 SP No.1 *Except*
4-6,7-9: 2x4 SP No.2
1-3: 2x4 SP 2700F 2.2E or 2x4 SP 2850F 2.0E or 2x4 SP M 31
BOT CHORD 2x4 SP 2700F 2.2E or 2x4 SP 2850F 2.0E or 2x4 SP M 31
WEBS 2x4 SP No.3 *Except*
8-10: 2x6 SP No.2
SLIDER Left 2x8 SP 2400F 2.0E 1-11-8

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals, and 2-0-0 oc purlins (4-8-1 max.): 4-6.
BOT CHORD Rigid ceiling directly applied or 9-10-4 oc bracing.
WEBS 1 Row at midpt 3-14, 5-14, 5-13, 7-13

REACTIONS.

(size) 1=Mechanical, 10=0-5-8
Max Horz 1=-367(LC 8)
Max Uplift 1=-532(LC 12), 10=-590(LC 13)
Max Grav 1=1708(LC 2), 10=1772(LC 20)

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

TOP CHORD 1-3=-2302/722, 3-4=-1843/667, 4-5=-1454/643, 5-6=-1435/637, 6-7=-1831/658,
7-8=-2245/693, 8-10=-1651/612
BOT CHORD 1-16=-629/2003, 14-16=-629/2001, 13-14=-300/1467, 11-13=-409/1781, 10-11=-201/348
WEBS 3-16=0/320, 3-14=-637/402, 4-14=-210/660, 5-14=-225/252, 5-13=-259/256,
6-13=-216/673, 7-13=-610/385, 8-11=-277/1491

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TC DL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 0-0-0 to 3-9-6, Zone1 3-9-6 to 15-1-8, Zone2 15-1-8 to 20-5-12, Zone1 20-5-12 to 22-8-8, Zone2 22-8-8 to 28-0-11, Zone1 28-0-11 to 39-4-0 zone; end vertical 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 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) except (jt=lb) 1=532, 10=590.
- 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

This item has been digitally signed and sealed by Velez, Joaquin, 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.

Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:

October 24,2025

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

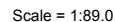
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

MiTek®

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Thu Oct 23 12:18:03 2025 Page 1

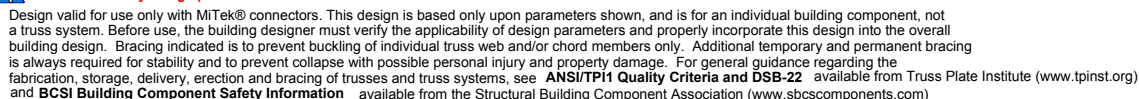
ID:5r2frabregYvojbasnrYiDvVSr7-Z93WX bu2ripfnm?6r82O6mqDBkhl9af8BP1YXvQXYo



FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=665/478, 4-5=262/308, 5-6=376/366, 6-8=968/506, 8-9=894/503,
9-10=1150/519, 10-11=987/415, 11-13=1395/536
BOT CHORD 2-21=471/658, 20-21=470/656, 18-20=288/444, 17-18=405/820, 15-17=404/998,
14-15=253/771
WEBS 4-21=234/313, 4-20=608/536, 5-20=1265/302, 5-18=293/1037, 6-18=971/433,
6-17=166/584, 8-15=288/273, 9-15=115/353, 10-14=506/228, 11-14=287/1022

This item has been digitally signed and sealed by Velez, Joaquin, 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.

October 24, 2025



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

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

| | | | | | | |
|---------|-------|------------|-----|-----|--------------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | CURASCO RES. | T38959559 |
| 4894417 | T11G | GABLE | 1 | 1 | Job Reference (optional) | |

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-3=-60, 3-7=-60, 7-10=-60, 10-11=-60, 12-25=-20

Concentrated Loads (lb)

Vert: 54=-161(F) 55=-161(F) 56=-161(F) 57=-162(F)


WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbccomponents.com)

| | | | | | | |
|--------------------------|-------|------------|-----|-----|--------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | CURASCO RES. | T38959561 |
| 4894417 | T12G | GABLE | 1 | 1 | | |
| Job Reference (optional) | | | | | | |

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

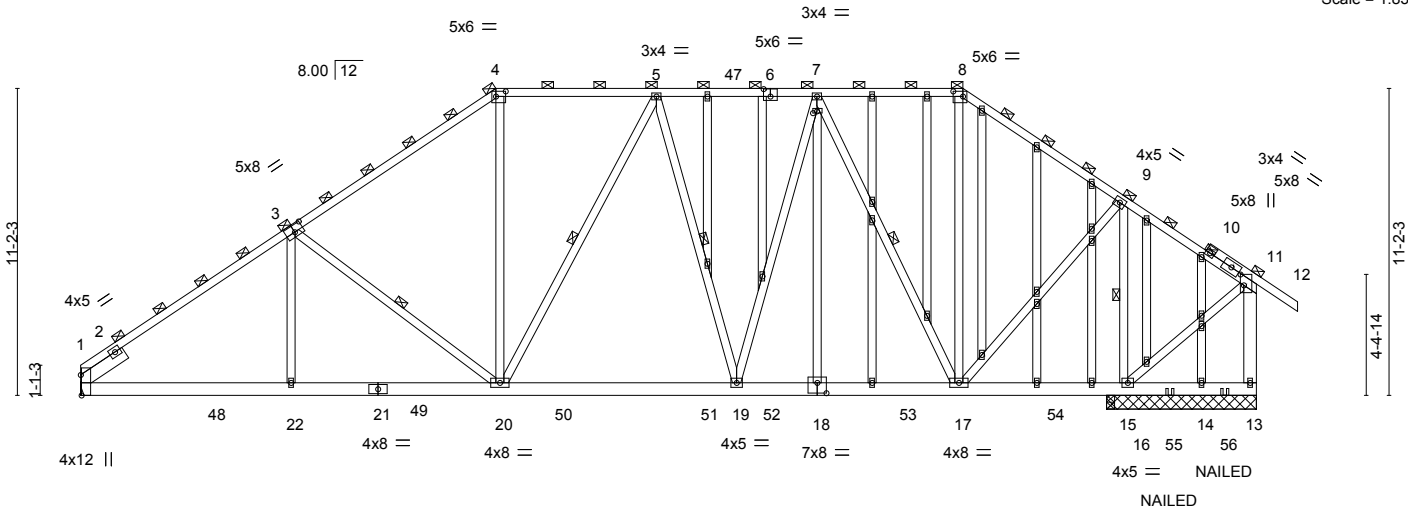
8.830 s Sep 3 2025 MiTek Industries, Inc. Thu Oct 23 12:18:07 2025 Page 1

ID:5r2frgbregYyobjgsnrYiDyVSr7-SwI0NMeP63DF8O4nLhD_YywMsp02hyXE3pNFhlyQXYk

7-8-0 15-1-8 20-11-11 26-9-14 32-1-11 38-0-0 42-10-0 44-4-0

7-8-0 7-5-8 5-10-3 5-10-3 5-3-13 5-10-5 4-10-0 1-6-0

Scale = 1:83.9



| | | | | | | |
|---------|-------|------------|-----|-----|--------------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | CURASCO RES. | T38959561 |
| 4894417 | T12G | GABLE | 1 | 1 | Job Reference (optional) | |

- NOTES-**
- 13) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidelines.
- 14) 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 + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-4=-60, 4-8=-60, 8-11=-60, 11-12=-60, 13-43=-20

Concentrated Loads (lb)

Vert: 55=-161(B) 56=-162(B)

 **WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.**

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

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

| | | | | | | |
|---------|-------|----------------|-----|-----|--------------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | CURASCO RES. | T38959562 |
| 4894417 | T13 | Piggyback Base | 1 | 1 | Job Reference (optional) | |

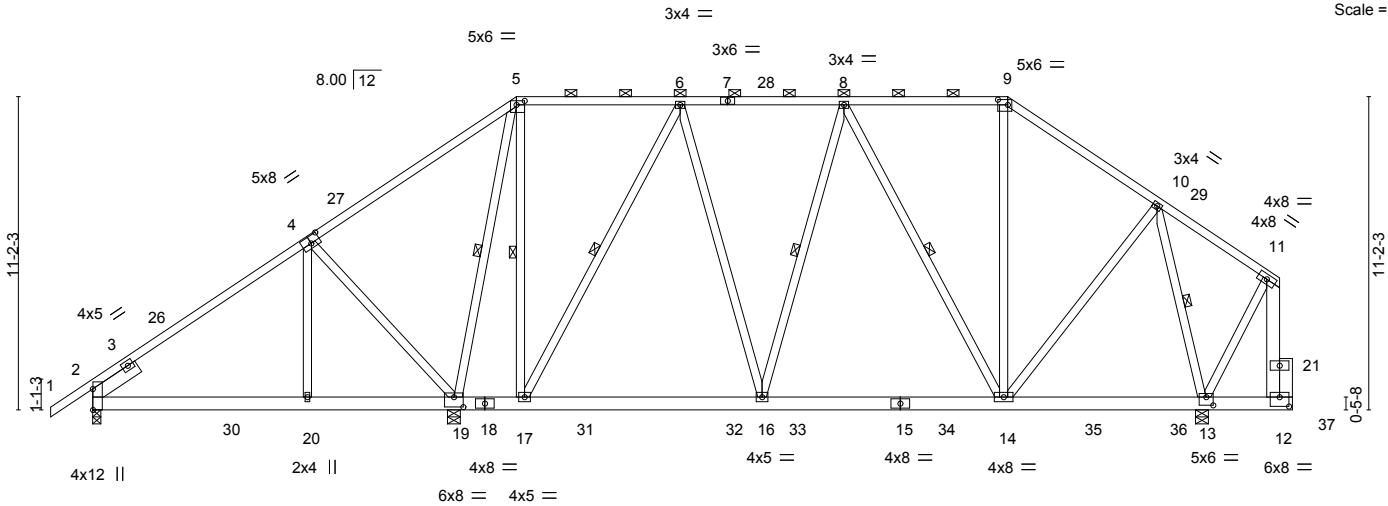
Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.830 s Sep 3 2025 MiTek Industries, Inc. Thu Oct 23 12:18:08 2025 Page 1

ID:5r2frgbregYyobjgsnrYiDyVsr7-w7sPahf1tNL6mYfzvOkD5ATUVCrgQQKOIT7oDkyQXYj

1-6-0 7-8-0 15-1-8 20-11-11 26-9-14 32-8-0 38-0-0 42-4-8 42-10-0
1-6-0 7-8-0 7-5-8 5-10-3 5-10-3 5-10-3 5-4-0 4-4-8 0-5-8

Scale = 1:82.3



| | |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------|
| Plate Offsets (X,Y)-- | [2:0-8-15,Edge], [4:0-4-0,0-3-0], [5:0-3-8,0-1-12], [9:0-4-4,0-2-4], [12:0-4-0,0-4-0], [13:0-3-0,0-3-8], [19:0-4-0,0-4-4] |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------|

| 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 0.72 | Vert(LL) | 0.08 16-17 | >999 | 240 | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL | 1.25 | BC 0.48 | Vert(CT) | -0.13 16-17 | >999 | 180 | | |
| BCLL 0.0 * | Rep Stress Incr | NO | WB 0.72 | Horz(CT) | -0.02 13 | n/a | n/a | | |
| BCDL 10.0 | Code FBC2023/TPI2014 | | Matrix-MS | | | | | Weight: 355 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, and 2-0-0 oc purlins (6-0-0 max.): 5-9. |
| BOT CHORD 2x6 SP No.2 | BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. |
| WEBS 2x4 SP No.3 *Except* | WEBS 1 Row at midpt 5-19, 5-17, 6-17, 8-16, 8-14, 10-13 |
| 11-12: 2x6 SP No.2 | |
| OTHERS 2x6 SP No.2 | |
| SLIDER Left 2x6 SP No.2 1-11-8 | |

| | |
|------------|--------------------------------------------------------|
| REACTIONS. | (size) 2=0-3-8, 19=0-5-8, 13=0-5-8 |
| | Max Horz 2=430(LC 11) |
| | Max Uplift 2=-301(LC 12), 19=-847(LC 9), 13=-917(LC 8) |
| | Max Grav 2=739(LC 27), 19=1638(LC 2), 13=1808(LC 2) |

| | |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| FORCES. | (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. |
| TOP CHORD | 2-4=-669/470, 4-5=-259/339, 5-6=-344/451, 6-8=-794/684, 8-9=-584/560, 9-10=-780/597, 10-11=-165/304, 11-12=-224/339 |
| BOT CHORD | 2-20=-508/618, 19-20=-507/616, 17-19=-380/332, 16-17=-563/694, 14-16=-566/778 |
| WEBS | 4-20=-177/316, 4-19=-620/487, 5-19=-1104/550, 5-17=-545/880, 6-17=-772/546, 6-16=-224/421, 8-14=-449/387, 10-14=-469/693, 10-13=-1336/848, 11-13=-357/291 |

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TC DL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-6-0 to 2-8-14, Zone1 2-8-14 to 15-1-8, Zone2 15-1-8 to 20-11-11, Zone1 20-11-11 to 32-8-0, Zone2 32-8-0 to 38-7-15, Zone1 38-7-15 to 42-1-12 zone; cantilever right exposed; end vertical left and right exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 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 301 lb uplift at joint 2, 847 lb uplift at joint 19 and 917 lb uplift at joint 13.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 239 lb down and 159 lb up at 42-4-8, and 114 lb down and 76 lb up at 42-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

This item has been digitally signed and sealed by Velez, Joaquin, 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.

Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:

October 24,2025

LOAD CASE(S) Standard

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

MiTek®

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

| | | | | | | |
|---------|-------|----------------|-----|-----|--------------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | CURASCO RES. | T38959562 |
| 4894417 | T13 | Piggyback Base | 1 | 1 | Job Reference (optional) | |

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-60, 5-9=-60, 9-11=-60, 12-22=-20
Concentrated Loads (lb)
Vert: 12=-210(F) 37=-100

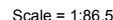
 **WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.**

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbccomponents.com)

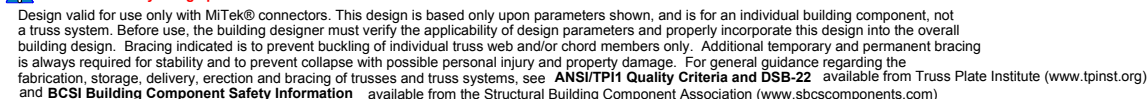
MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

8.830 s Sep 3 2025 MiTek Industries, Inc. Thu Oct 23 12:18:09 2025 Page 1

ID:5r2frqhgreaYvoibqsrYiDvVsr7-QJQnp1qfehIjzNiE9T6ESdN0fucpa9s7XX7sl_mAvQXYi



Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:



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

| | | | | | | |
|---------|-------|----------------|-----|-----|--------------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | CURASCO RES. | T38959563 |
| 4894417 | T14 | Piggyback Base | 2 | 1 | Job Reference (optional) | |

NOTES-
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 + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-60, 5-9=-60, 9-11=-60, 19-23=-20, 16-18=-20, 12-15=-20
Concentrated Loads (lb)
Vert: 12=-310(F=-210)

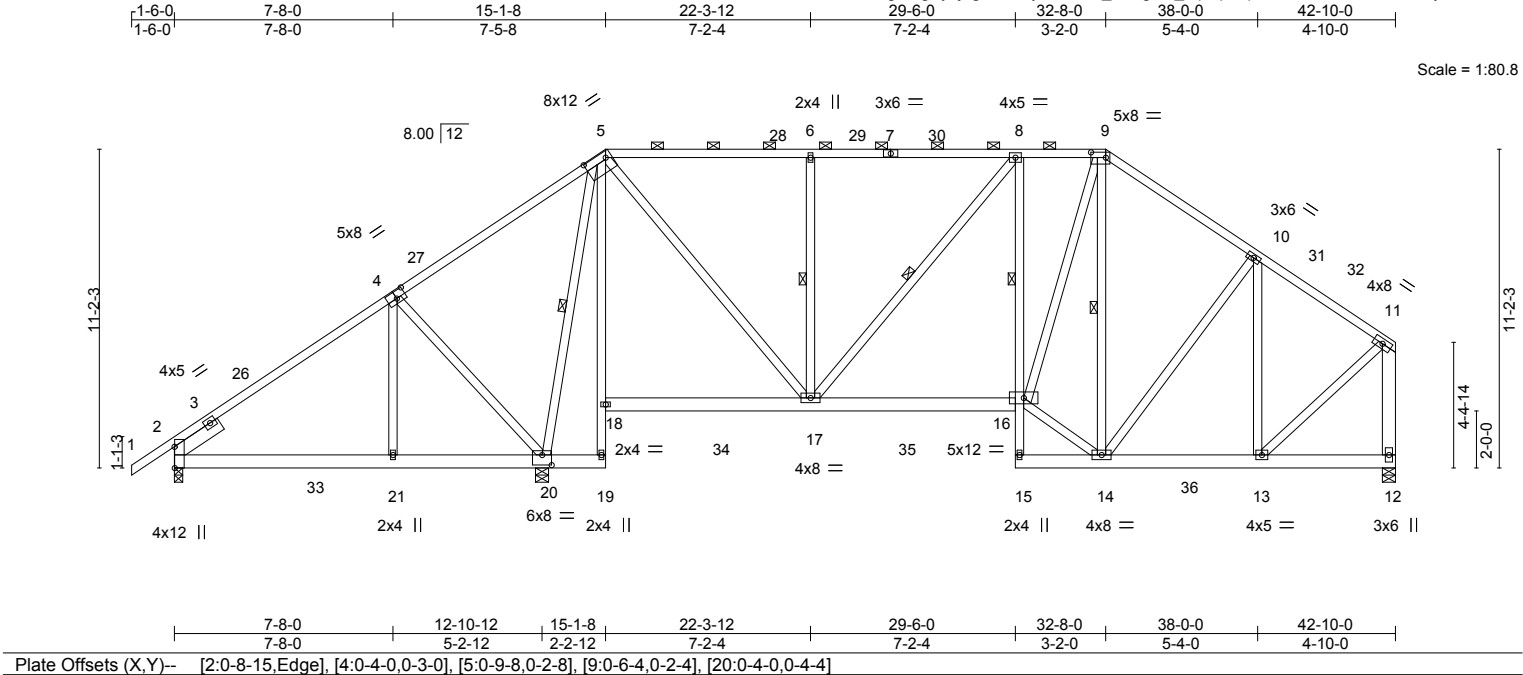
 **WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.**

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbccomponents.com)

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

| | | | | | | |
|---------|-------|----------------|-----|-----|--------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | CURASCO RES. | T38959564 |
| 4894417 | T15 | Piggyback Base | 4 | 1 | | |

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.830 s Sep 3 2025 MiTek Industries, Inc. Thu Oct 23 12:18:10 2025 Page 1
ID:5r2frgbregYyobjgsnrYiDyVSR7-sV_9?NgHP_cq?spL0pmhAbYrt09uuHLhncvldyQXYh



| 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 0.66 | Vert(LL) | -0.07 16-17 | >999 | 240 | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL | 1.25 | BC 0.37 | Vert(CT) | -0.13 16-17 | >999 | 180 | | |
| BCLL 0.0 * | Rep Stress Incr | YES | WB 0.95 | Horz(CT) | 0.08 12 | n/a | n/a | | |
| BCDL 10.0 | Code FBC2023/TPI2014 | | Matrix-MS | | | | | Weight: 364 lb | FT = 20% |

| | |
|-------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| LUMBER- | BRACING- |
| TOP CHORD 2x4 SP No.2 | TOP CHORD Structural wood sheathing directly applied or 5-7-6 oc purlins, except end verticals, and 2-0-0 oc purlins (5-7-10 max.): 5-9. |
| BOT CHORD 2x6 SP No.2 *Except* 5-19,8-15: 2x4 SP No.3 | BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except: 1 Row at midpt 8-16 |
| WEBS 2x4 SP No.3 *Except* 11-12: 2x6 SP No.2 | WEBS 1 Row at midpt 5-20, 6-17, 8-17, 9-14 |
| SLIDER Left 2x6 SP No.2 1-11-8 | |

| | |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| REACTIONS. | (size) 2=0-3-8, 12=0-5-8, 20=0-5-8 Max Horz 2=425(LC 11) Max Uplift 2=-247(LC 12), 12=-467(LC 13), 20=-913(LC 9) Max Grav 2=448(LC 20), 12=1231(LC 28), 20=2235(LC 2) |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

| | |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FORCES. | (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. |
| TOP CHORD | 2-4=-498/594, 4-5=-317/530, 5-6=-808/587, 6-8=-808/587, 8-9=-985/574, 9-10=-978/552, 10-11=-901/422, 11-12=-1159/470 |
| BOT CHORD | 2-21=-314/214, 20-21=-311/212, 16-17=-314/992, 13-14=-284/689 |
| WEBS | 4-21=-258/353, 4-20=-657/555, 5-20=-1614/627, 5-17=-383/1265, 6-17=-488/342, 8-17=-321/160, 14-16=-261/902, 9-16=-357/767, 9-14=-399/264, 10-13=-443/257, 11-13=-316/904 |

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TC DL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 1-6-0 to 2-9-6, Zone1 2-9-6 to 14-11-12, Zone2 14-11-12 to 21-0-7, Zone1 21-0-7 to 32-8-0, Zone2 32-8-0 to 38-8-11, Zone1 38-8-11 to 42-7-4 zone; end vertical left and right exposed; porch left 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) The Fabrication Tolerance at joint 5 = 16%
 - 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 3-6-0 tall by 2-0-0 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 247 lb uplift at joint 2, 467 lb uplift at joint 12 and 913 lb uplift at joint 20.
 - 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

This item has been digitally signed and sealed by Velez, Joaquin, 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.

Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:

October 24,2025

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

MiTek®

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

| | | | | | |
|---------|-------|---------------|-----|-----|--------------|
| Job | Truss | Truss Type | Qty | Ply | CURASCO RES. |
| 4894417 | T16 | Common Girder | 1 | 2 | T38959565 |

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Thu Oct 23 12:18:11 2025 Page 1

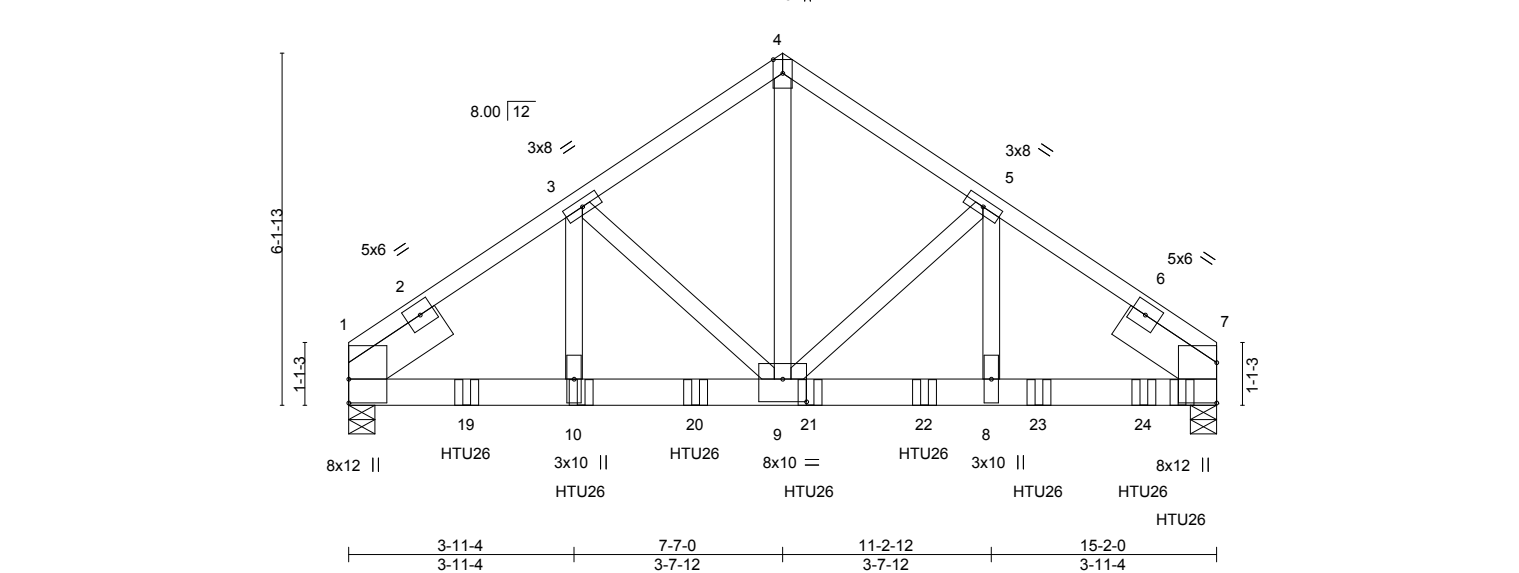
ID:5r2frgbregYyobjgsnrYiDyVSr7-KiYXDjhvAlkhD?OYaXHwio5y5QRmdn7q_RLSq3yQXYg

3-11-4 7-7-0 11-2-12 15-2-0

3-11-4 3-7-12 3-7-12 3-11-4

4x6 ||

Scale = 1:40.3



| | | | | | | | | | | | | |
|-----------------------|-------|-----------------------|------|-------------|------|----------------------------------|-------|------|---------------|-----|----------------|----------|
| Plate Offsets (X,Y)-- | | [9:0-5-0,0-4-12] | | | | | | | | | | |
| 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 | 0.95 | Vert(LL) | -0.09 | 9-10 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.25 | BC | 0.59 | Vert(CT) | -0.16 | 9-10 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.72 | Horz(CT) | 0.03 | 7 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2023/TPI2014 | | Matrix-MS | | | | | | | Weight: 211 lb | FT = 20% |

| | |
|----------------------------------------------------------------------|----------------------------------------------------------------------------|
| LUMBER- | BRACING- |
| TOP CHORD 2x4 SP No.2 | TOP CHORD Structural wood sheathing directly applied or 2-4-13 oc purlins. |
| BOT CHORD 2x6 SP 2400F 2.0E or 2x6 SP M 26 | BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. |
| WEBS 2x4 SP No.3 *Except* | |
| 4-9: 2x4 SP No.2 | |
| SLIDER Left 2x8 SP 2400F 2.0E 1-11-8, Right 2x8 SP 2400F 2.0E 1-11-8 | |

| | |
|------------|-----------------------------------------|
| REACTIONS. | (size) 1=0-5-8, 7=0-5-8 |
| | Max Horz 1=161(LC 5) |
| | Max Uplift 1=-2008(LC 8), 7=-2747(LC 9) |
| | Max Grav 1=6214(LC 2), 7=8422(LC 2) |

| | |
|-----------|------------------------------------------------------------------------------|
| FORCES. | (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. |
| TOP CHORD | 1-3=-7453/2426, 3-4=-5907/1975, 4-5=-5914/1978, 5-7=-7872/2565 |
| BOT CHORD | 1-10=-2006/6037, 9-10=-2006/6037, 8-9=-2038/6421, 7-8=-2038/6421 |
| WEBS | 4-9=-2024/6189, 5-9=-2050/798, 5-8=-808/2523, 3-9=-1530/625, 3-10=-634/2010 |

- NOTES-**
- 1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-6-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - 2) 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.
 - 3) Unbalanced roof live loads have been considered for this design.
 - 4) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - 5) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 2008 lb uplift at joint 1 and 2747 lb uplift at joint 7.
 - 9) Use Simpson Strong-Tie HTU26 (20-10d Girder, 11-10dx1 1/2 Truss) or equivalent spaced at 2-0-0 oc max. starting at 2-0-12 from the left end to 14-6-12 to connect truss(es) to back face of bottom chord.
 - 10) Fill all nail holes where hanger is in contact with lumber.

| | |
|--------------|----------|
| LOAD CASE(S) | Standard |
|--------------|----------|

This item has been digitally signed and sealed by Velez, Joaquin, 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.

Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:

October 24,2025

Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

MiTek®

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

| | | | | | |
|---------|-------|---------------|-----|-----|--------------|
| Job | Truss | Truss Type | Qty | Ply | CURASCO RES. |
| 4894417 | T16 | Common Girder | 1 | 2 | T38959565 |

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Thu Oct 23 12:18:11 2025 Page 2
ID:5r2frgbregYyojbgsnrYiDyVSr7-KiYXDjhvAlkhd?OYaXHwio5y5QRmdn7q_RLSq3yQXYg

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-4=-60, 4-7=-60, 11-15=-20

Concentrated Loads (lb)

Vert: 10=-1493(B) 17=-1453(B) 19=-1493(B) 20=-1482(B) 21=-1482(B) 22=-1493(B) 23=-1493(B) 24=-1493(B)

 **WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.**

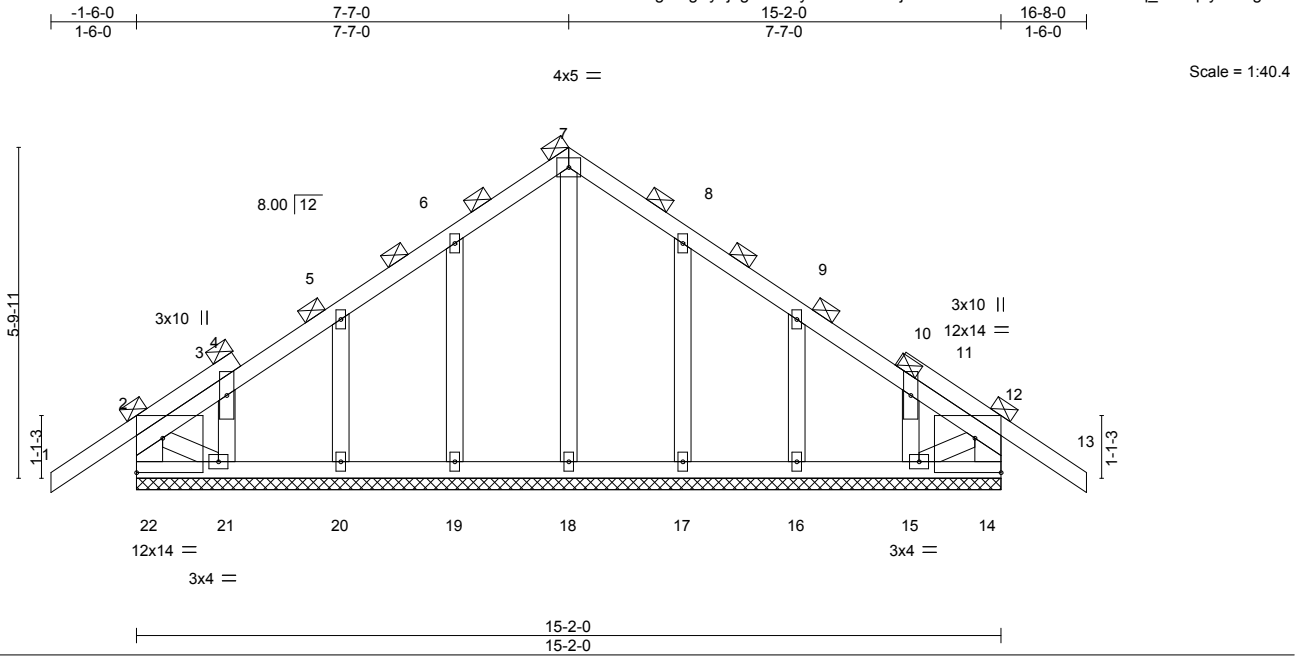
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

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

| | | | | | | |
|---------|-------|------------------------|-----|-----|--------------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | CURASCO RES. | T38959566 |
| 4894417 | T16G | Common Supported Gable | 1 | 1 | Job Reference (optional) | |

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Thu Oct 23 12:18:11 2025 Page 1
ID:5r2frgbregYyobjgsnrYiDyVSr7-KiYXDjhvAlkhd?OYaXHwio56XQaLdxlq_RLSq3yQXYg



| Plate Offsets (X,Y)-- | | [12:Edge,0-7-4], [22:Edge,0-7-4] | |
|-----------------------|-----------------|----------------------------------|---------------------------|
| LOADING (psf) | SPACING- | 2-0-0 | CSI. |
| TCLL 20.0 | Plate Grip DOL | 1.25 | TC 0.29 |
| TCDL 10.0 | Lumber DOL | 1.25 | BC 0.04 |
| BCLL 0.0 * | Rep Stress Incr | YES | WB 0.07 |
| BCDL 10.0 | Code | FBC2023/TPI2014 | Matrix-S |
| | | | DEFL. |
| | | | in (loc) l/defl L/d |
| | | | Vert(LL) -0.01 13 n/r 120 |
| | | | Vert(CT) -0.02 13 n/r 120 |
| | | | Horz(CT) 0.00 14 n/a n/a |
| | | | PLATES GRIP |
| | | | MT20 244/190 |
| | | | Weight: 98 lb FT = 20% |

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x6 SP No.2 *Except*
2-21,12-15: 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, Except:
6-0-0 oc bracing: 21-22,14-15.

REACTIONS.

All bearings 15-2-0.
(lb) - Max Horz 22=217(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 22, 14 except 19=121(LC 12), 20=110(LC 12), 21=140(LC 12),
17=119(LC 13), 16=112(LC 13), 15=128(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 22, 14, 18, 19, 20, 21, 17, 16, 15

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

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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 zone; end vertical left and 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) All plates are 2x4 MT20 unless otherwise indicated.
- 6) Gable requires continuous bottom chord bearing.
- 7) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 22, 14 except (jt=lb) 19=121, 20=110, 21=140, 17=119, 16=112, 15=128.
- 12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

This item has been digitally signed and sealed by Velez, Joaquin, 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.

Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:

October 24,2025

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

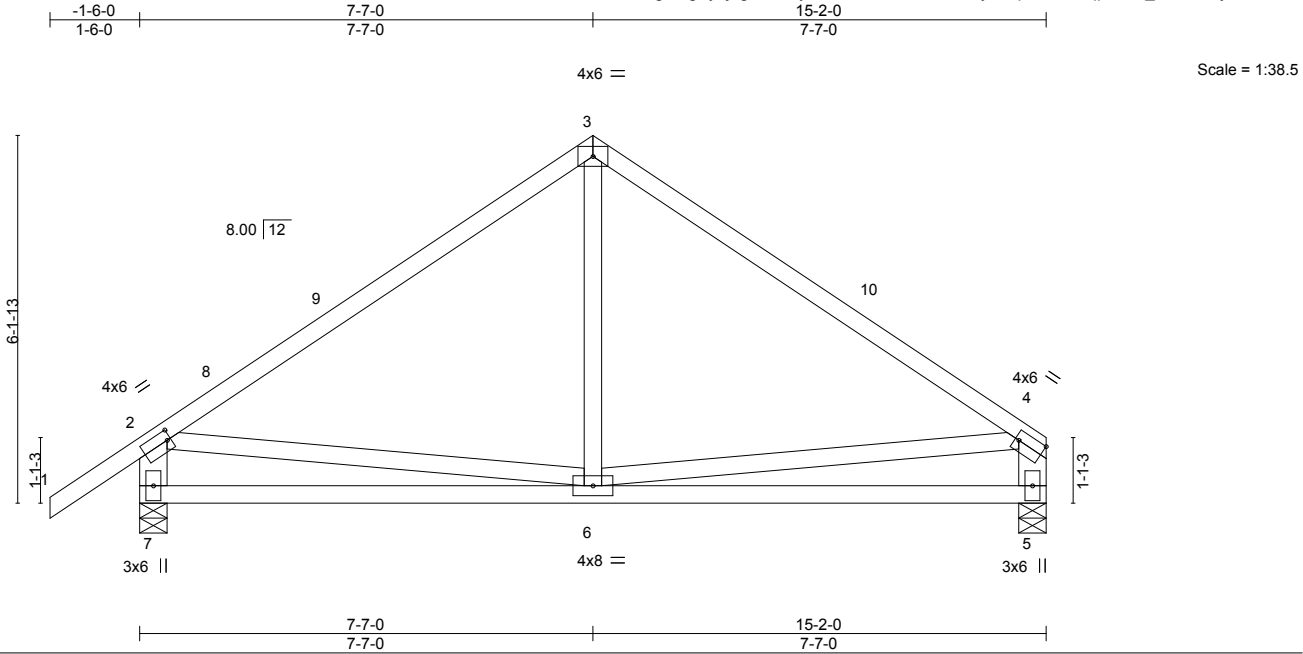
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

MiTek®

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

| | | | | | | |
|---------|-------|------------|-----|-----|--------------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | CURASCO RES. | T38959567 |
| 4894417 | T17 | Common | 1 | 1 | Job Reference (optional) | |

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.830 s Sep 3 2025 MiTek Industries, Inc. Thu Oct 23 12:18:12 2025 Page 1
ID:5r2frgbregYyobjgsnrYiDyVSr7-ou6vQ3iXxcsYE9yk8Ep9F0eAPqpfMNz_D550MvyQXYf



| | | | | | | | | | |
|-----------------------|----------------------------------|-------|-------------|--------------|-----------|--------|-----|---------------|-------------|
| Plate Offsets (X,Y)-- | [2:0-0-12,0-2-0], [4:Edge,0-2-0] | | | | | | | | |
| 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 0.73 | Vert(LL) | -0.06 6-7 | >999 | 240 | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL | 1.25 | BC 0.48 | Vert(CT) | -0.12 6-7 | >999 | 180 | | |
| BCLL 0.0 * | Rep Stress Incr | YES | WB 0.17 | Horz(CT) | 0.01 5 | n/a | n/a | | |
| BCDL 10.0 | Code FBC2023/TPI2014 | | Matrix-MS | | | | | Weight: 86 lb | FT = 20% |

| | |
|---------------------------|--------------------------------------------------------------------------------------------------|
| LUMBER- | BRACING- |
| TOP CHORD 2x4 SP No.2 | TOP CHORD Structural wood sheathing directly applied or 4-10-1 oc purlins, except end verticals. |
| BOT CHORD 2x4 SP No.2 | BOT CHORD Rigid ceiling directly applied or 9-6-6 oc bracing. |
| WEBS 2x4 SP No.3 *Except* | |
| 2-7,4-5: 2x6 SP No.2 | |

REACTIONS. (size) 7=0-5-8, 5=0-5-8
Max Horz 7=224(LC 9)
Max Uplift 7=-259(LC 12), 5=-197(LC 13)
Max Grav 7=698(LC 1), 5=582(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-626/290, 3-4=-616/298, 2-7=-633/452, 4-5=-517/330
BOT CHORD 6-7=-383/497, 5-6=-219/276
WEBS 3-6=0/292, 2-6=-166/309, 4-6=-121/275

- 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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-6-0 to 1-6-0, Zone1 1-6-0 to 7-7-0, Zone2 7-7-0 to 11-9-15, Zone1 11-9-15 to 14-11-4 zone; end vertical 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=259, 5=197.

This item has been digitally signed and sealed by Velez, Joaquin, 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.

Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:

October 24,2025

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

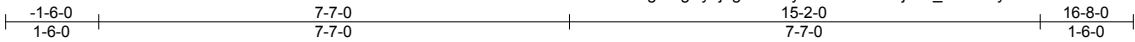
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

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

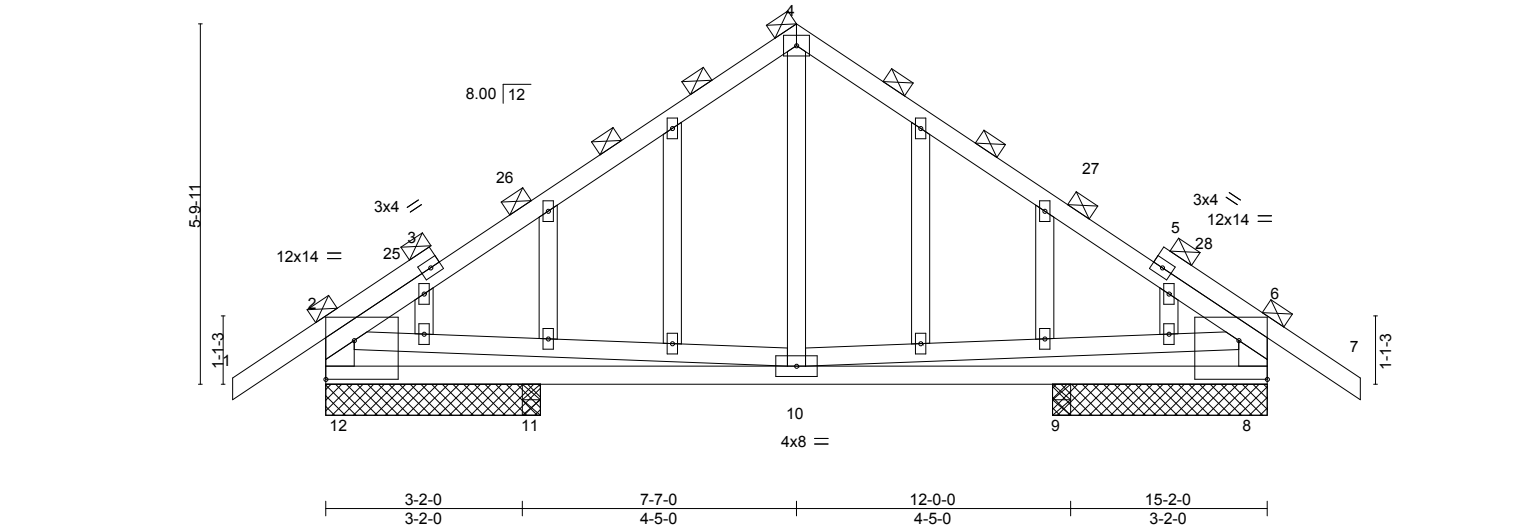
| | | | | | | |
|---------|-------|-------------------------|-----|-----|--------------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | CURASCO RES. | T38959568 |
| 4894417 | T17G | Common Structural Gable | 1 | 1 | Job Reference (optional) | |

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Thu Oct 23 12:18:13 2025 Page 1
ID:5r2frgbregYyobjgsnrYiDyVSr7-G4ffHdPj9hv_PsJXwiyKooDARkDEO5nv7SlqZvxyQXYe



Scale = 1:37.1



| Plate Offsets (X,Y)-- | | [2:Edge,0-7-8], [6:Edge,0-7-8] | |
|-----------------------|----------------------|--------------------------------|----------------------------------------|
| LOADING (psf) | SPACING- | 2-0-0 | CSI. |
| TCLL 20.0 | Plate Grip DOL | 1.25 | TC 0.37 |
| TCDL 10.0 | Lumber DOL | 1.25 | BC 0.19 |
| BCLL 0.0 * | Rep Stress Incr | YES | WB 0.38 |
| BCDL 10.0 | Code FBC2023/TPI2014 | | Matrix-MS |
| | | | DEFL. in (loc) l/defl L/d |
| | | | Vert(LL) -0.01 10 >999 240 |
| | | | Vert(CT) -0.02 10 >999 180 |
| | | | Horz(CT) 0.01 8 n/a n/a |
| | | | PLATES MT20 GRIP 244/190 |
| | | | Weight: 112 lb FT = 20% |

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
2-12,6-8: 2x6 SP No.2
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 7-8-13 oc bracing.

REACTIONS.

All bearings 3-5-8 except (jt=length) 11=0-3-8, 9=0-3-8.
(lb) - Max Horz 12=-217(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) except 12=-264(LC 12), 8=-266(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 11, 9 except 12=590(LC 1), 8=590(LC 1)

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

TOP CHORD 2-4=-541/297, 4-6=-541/296, 2-12=-580/454, 6-8=-580/454
BOT CHORD 11-12=-572/723, 10-11=-572/723, 9-10=-517/596, 8-9=-517/596
WEBS 2-10=-373/520, 6-10=-375/524

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-6-0 to 1-6-0, Zone1 1-6-0 to 7-7-0, Zone2 7-7-0 to 11-9-15, Zone1 11-9-15 to 16-8-0 zone; end vertical left and right exposed; 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.
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 264 lb uplift at joint 12 and 266 lb uplift at joint 8.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

This item has been digitally signed and sealed by Velez, Joaquin, 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.

Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:

October 24,2025

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

MiTek®

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

| | | | | | | |
|---------|-------|---------------------|-----|-----|--------------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | CURASCO RES. | T38959569 |
| 4894417 | T18 | Roof Special Girder | 1 | 2 | Job Reference (optional) | |

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Thu Oct 23 12:18:14 2025 Page 1

ID:5r2frgbregYyobjgsnrYiDyVSr7-kHDgrljoSD6GUT67FfrdKQjYJdNRq8VGgPa6ROyQXYd

4-4-0

7-7-0

10-10-0

12-8-8

15-2-0

4-4-0

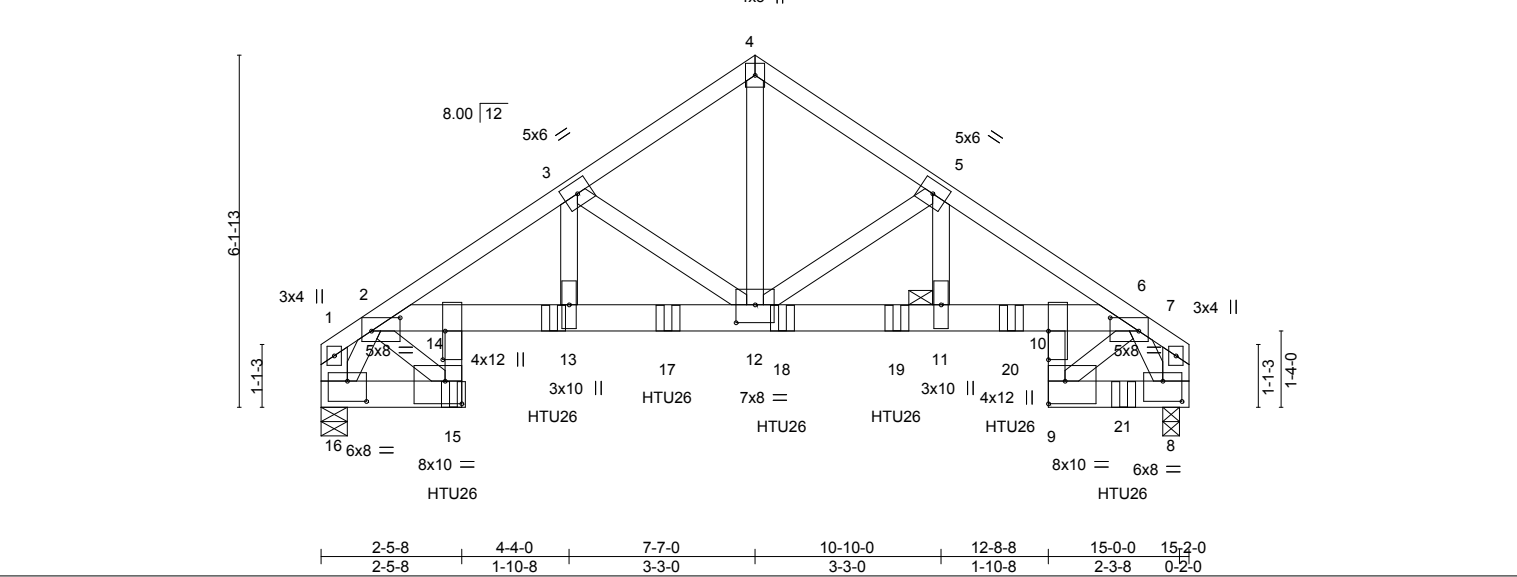
3-3-0

3-3-0

1-10-8

2-5-8

Scale = 1:40.3



| | | | | | | | | | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------------------|------|-----------|------|---------------------------|-------------|-------------|-----|----------------|----------|
| Plate Offsets (X,Y)-- [2:0-6-0,0-2-13], [6:0-6-0,0-2-13], [8:0-4-0,0-4-4], [9:Edge,0-4-12], [10:0-6-0,0-0-0], [12:0-4-0,0-3-12], [14:0-6-0,0-0-8], [15:Edge,0-4-12], [16:0-4-0,0-4-4] | | | | | | | | | | | |
| 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 | 0.64 | Vert(LL) | -0.11 12-13 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.25 | BC | 0.91 | Vert(CT) | -0.20 12-13 | >900 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.68 | Horz(CT) | 0.25 8 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2023/TPI2014 | | Matrix-MS | | | | | | Weight: 211 lb | FT = 20% |

| | |
|----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| LUMBER- | BRACING- |
| TOP CHORD 2x4 SP No.2 | TOP CHORD Structural wood sheathing directly applied or 3-6-8 oc purlins, except end verticals. |
| BOT CHORD 2x4 SP No.2 *Except* 15-16,8-9: 2x6 SP No.2, 2-6: 2x6 SP 2400F 2.0E or 2x6 SP M 26 | BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except: 10-0-0 oc bracing: 11-12, 10-11 |
| WEBS 2x4 SP No.3 *Except* 4-12: 2x4 SP No.2, 1-16,7-8: 2x6 SP No.2 | JOINTS 1 Brace at Jt(s): 11 |

| | |
|------------|------------------------------------------|
| REACTIONS. | (size) 8=0-3-8, 16=0-5-8 |
| | Max Horz 16=-156(LC 27) |
| | Max Uplift 8=-1698(LC 9), 16=-1517(LC 8) |
| | Max Grav 8=5155(LC 2), 16=4598(LC 2) |

| | |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FORCES. | (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. |
| TOP CHORD | 1-2=-808/272, 2-3=-8669/2918, 3-4=-5342/1805, 4-5=-5342/1827, 5-6=-8518/2800, 1-16=-912/314 |
| BOT CHORD | 15-16=-983/2670, 14-15=-1470/4191, 2-14=-2410/7085, 13-14=-2462/7220, 12-13=-2462/7220, 11-12=-2291/7095, 10-11=-2291/7095, 6-10=-2246/6958, 9-10=-1093/3352, 8-9=-990/3000 |
| WEBS | 3-13=-1181/3568, 3-12=-3415/1282, 4-12=-1910/5701, 5-12=-3263/1188, 5-11=-1080/3398, 2-15=-3674/1357, 6-9=-4218/1393, 7-8=-401/142, 2-16=-4338/1438, 6-8=-5642/1861 |

- NOTES-**
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-7-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 2 rows staggered at 0-2-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered 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 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1698 lb uplift at joint 8 and 1517 lb uplift at joint 16.
 - Use Simpson Strong-Tie HTU26 (20-10d Girder, 11-10dx1 1/2 Truss) or equivalent spaced at 2-0-0 oc max. starting at 2-3-12 from the left end to 14-0-5 to connect truss(es) to back face of bottom chord.
 - On full end plate where hanger is in contact with lumber.

This item has been digitally signed and sealed by Velez, Joaquin, 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.

Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:

October 24,2025

| | | | | | |
|---------|-------|---------------------|-----|-----|--------------|
| Job | Truss | Truss Type | Qty | Ply | CURASCO RES. |
| 4894417 | T18 | Roof Special Girder | 1 | 2 | T38959569 |

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 4-7=-60, 15-16=-20, 10-14=-20, 8-9=-20
Concentrated Loads (lb)
Vert: 6=-1110(B) 13=-1168(B) 15=-1162(B) 17=-1168(B) 18=-1114(B) 19=-1114(B) 20=-1114(B)

 **WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.**

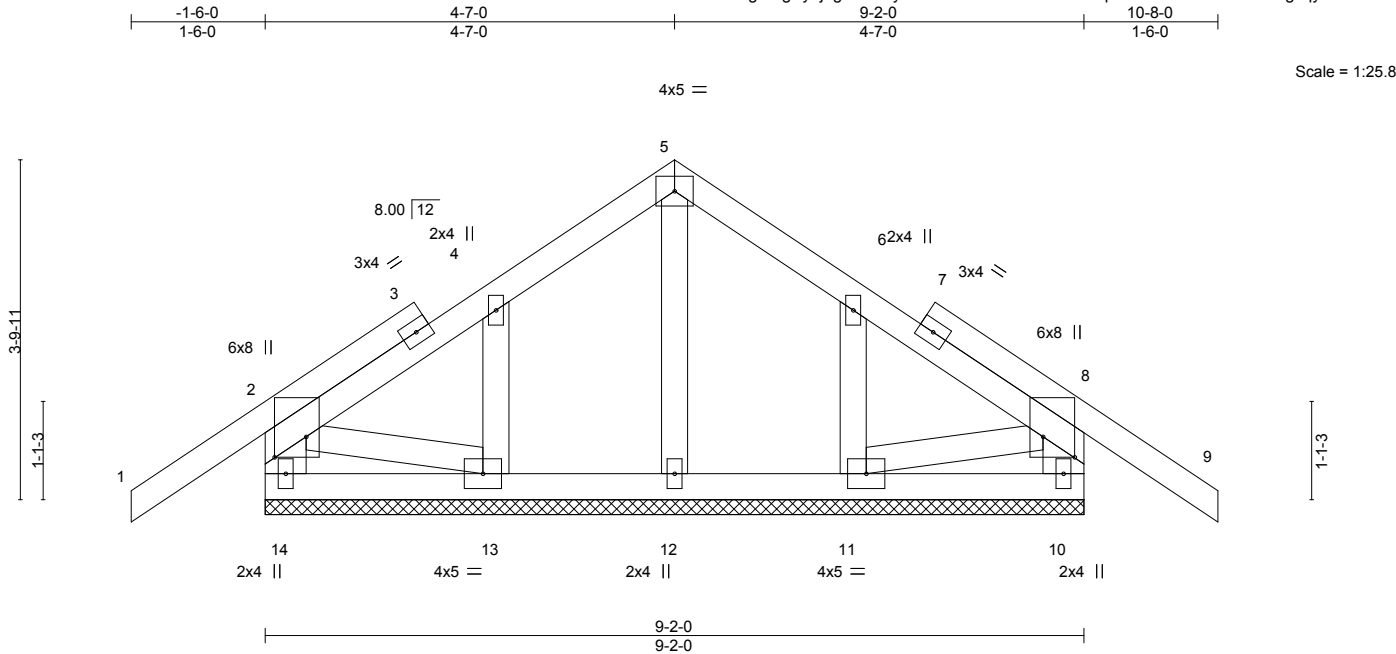
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbccomponents.com)

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

| | | | | | | |
|---------|-------|------------------------|-----|-----|--------------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | CURASCO RES. | T38959570 |
| 4894417 | T19G | Common Supported Gable | 1 | 1 | Job Reference (optional) | |

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Thu Oct 23 12:18:15 2025 Page 1
ID:5r2frgbregYyobjgsnrYiDyVSr7-DTn225kQDXE65dhJpNMsteGnb1xEZklQv3JgzqyQXYc



| Plate Offsets (X,Y)-- | | [2:0-2-12,0-4-4], [8:0-2-12,0-4-4] | |
|-----------------------|-----------------|------------------------------------|--------------------------|
| LOADING (psf) | SPACING- | 2-0-0 | CSI. |
| TCLL 20.0 | Plate Grip DOL | 1.25 | TC 0.35 |
| TCDL 10.0 | Lumber DOL | 1.25 | BC 0.04 |
| BCLL 0.0 * | Rep Stress Incr | YES | WB 0.07 |
| BCDL 10.0 | Code | FBC2023/TPI2014 | Matrix-S |
| | | | DEFL. |
| | | | in (loc) l/defl L/d |
| | | | Vert(LL) -0.01 9 n/r 120 |
| | | | Vert(CT) -0.02 9 n/r 120 |
| | | | Horz(CT) 0.00 10 n/a n/a |
| | | | PLATES GRIP |
| | | | MT20 244/190 |
| | | | Weight: 61 lb FT = 20% |

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x6 SP No.2 *Except*
2-13,8-11: 2x4 SP No.3
OTHERS 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 6-0-0 oc bracing.

REACTIONS.

All bearings 9-2-0.
(lb) - Max Horz 14=118(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 14, 10 except 13=137(LC 12), 11=132(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 14, 10, 12, 13, 11

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

TOP CHORD 2-14=208/291, 8-10=208/297

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end 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) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 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 3-6-0 tall by 2-0-0 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 100 lb uplift at joint(s) 14, 10 except (jt=lb) 13=137, 11=132.

This item has been digitally signed and sealed by Velez, Joaquin, 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.

Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:

October 24,2025

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

MiTek®

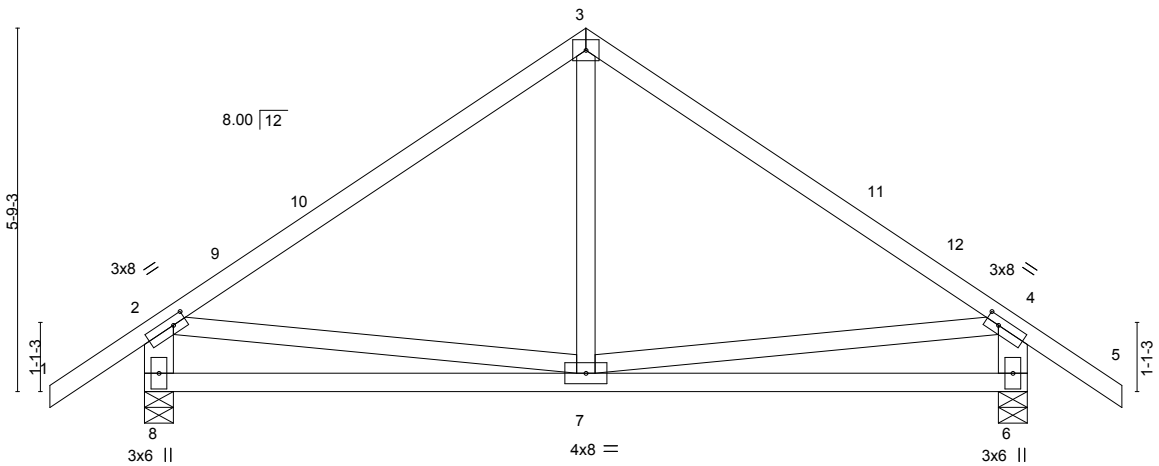
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

| | | | | | | |
|---------|-------|------------|-----|-----|--------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | CURASCO RES. | T38959571 |
| 4894417 | T20 | Common | 4 | 1 | | |

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.830 s Sep 3 2025 MiTek Industries, Inc. Thu Oct 23 12:18:15 2025 Page 1
ID:5r2frgbregYyobjgsnrYiDyVSr7-DTn225kQDXE65dhJpNMsteGk71rWZkPQv3JgzqyQXYc



4x5 = Scale = 1:36.5



| | |
|-----------------------|----------------------------------|
| Plate Offsets (X,Y)-- | [2:0-2-8,0-1-8], [4:0-2-8,0-1-8] |
|-----------------------|----------------------------------|

| 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 0.57 | Vert(LL) | -0.04 | 7-8 | >999 | 240 | MT20 |
| TCDL 10.0 | Lumber DOL | 1.25 | BC 0.41 | Vert(CT) | -0.08 | 6-7 | >999 | 180 | 244/190 |
| BCLL 0.0 * | Rep Stress Incr | YES | WB 0.12 | Horz(CT) | 0.01 | 6 | n/a | n/a | |
| BCDL 10.0 | Code FBC2023/TPI2014 | | Matrix-MS | | | | | | |
| | | | | | | | | Weight: 82 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.2 | BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. |
| WEBS 2x4 SP No.3 *Except* 2-8,4-6: 2x6 SP No.2 | |

REACTIONS. (size) 8=0-5-8, 6=0-5-8
Max Horz 8=-224(LC 10)
Max Uplift 8=-243(LC 12), 6=-243(LC 13)
Max Grav 8=645(LC 1), 6=645(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-557/278, 3-4=-557/278, 2-8=-586/455, 4-6=-586/455
BOT CHORD 7-8=-303/442, 6-7=-232/323
WEBS 3-7=-3/266, 2-7=-136/264, 4-7=-144/269

- NOTES-
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TC DL=4.2psf; TCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-6-0 to 1-6-0, Zone1 1-6-0 to 7-0-0, Zone2 7-0-0 to 11-2-15, Zone1 11-2-15 to 15-6-0 zone; end vertical 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=243, 6=243.

This item has been digitally signed and sealed by Velez, Joaquin, 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.

Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:

October 24,2025

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

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

| | | | | | | |
|---------|-------|------------------------|-----|-----|--------------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | CURASCO RES. | T38959572 |
| 4894417 | T20G | Common Supported Gable | 1 | 1 | Job Reference (optional) | |

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Thu Oct 23 12:18:16 2025 Page 1

ID:5r2frgbregYyobjgsnrYiDyVSr7-hfLQGQl2_qMzjnGVN4t5Proz4RHllChZ8j3DVGyQXYb

-1-6-0
1-6-0

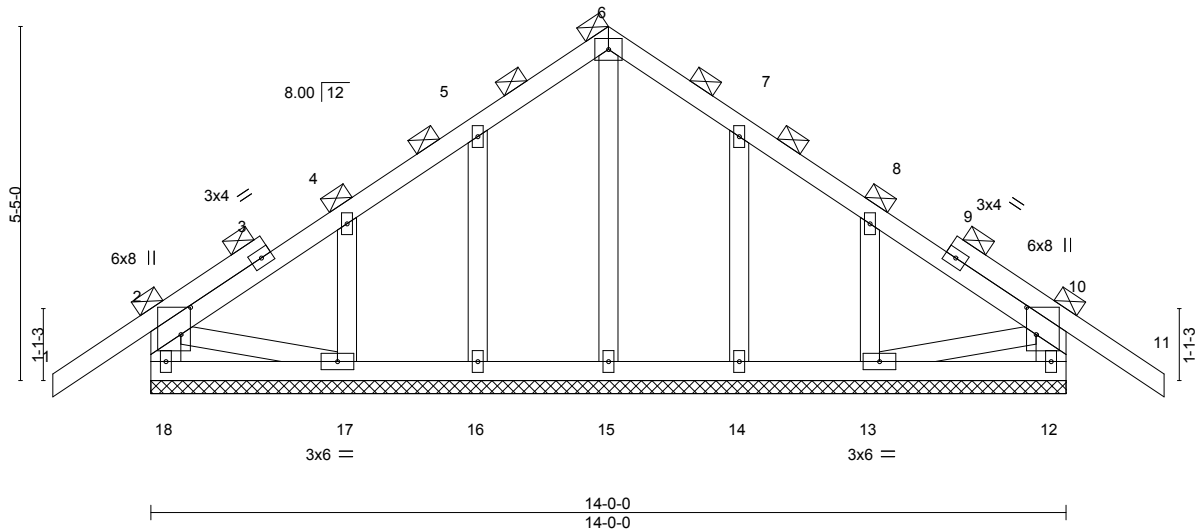
7-0-0
7-0-0

14-0-0
7-0-0

15-6-0
1-6-0

4x5 =

Scale = 1:35.2



| | | | | | | | | | |
|-----------------------------------------------------------|-------|----------------------|--|----------|------|---------------------------|--------------|-------------|------------------------|
| Plate Offsets (X,Y)-- [2:0-5-0,0-1-12], [10:0-5-0,0-1-12] | | | | | | | | | |
| 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 | 0.30 | Vert(LL) | -0.01 11 n/r | 120 | MT20 244/190 |
| TCDL | 10.0 | Lumber DOL 1.25 | | BC | 0.05 | Vert(CT) | -0.02 11 n/r | 120 | |
| BCLL | 0.0 * | Rep Stress Incr YES | | WB | 0.06 | Horz(CT) | 0.00 12 n/a | n/a | |
| BCDL | 10.0 | Code FBC2023/TPI2014 | | Matrix-S | | | | | Weight: 92 lb FT = 20% |

| | |
|--------------------------------|----------------------------------------------------------------|
| LUMBER- | BRACING- |
| TOP CHORD 2x4 SP No.2 | TOP CHORD 2-0-0 oc purlins (6-0-0 max.), except end verticals. |
| BOT CHORD 2x4 SP No.2 | BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. |
| WEBS 2x6 SP No.2 *Except* | |
| OTHERS 2-17,10-13: 2x4 SP No.3 | |
| 2x4 SP No.3 | |

REACTIONS. All bearings 14-0-0.
(lb) - Max Horz 18=205(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 18, 12 except 16=119(LC 12), 17=154(LC 12), 14=119(LC 13), 13=149(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 18, 12, 15, 16, 17, 14, 13

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

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCdL=4.2psf; BCdL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 zone; end vertical left and right exposed;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.
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 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) 18, 12 except (jt=lb) 16=119, 17=154, 14=119, 13=149.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

This item has been digitally signed and sealed by Velez, Joaquin, 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.

Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:

October 24,2025

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

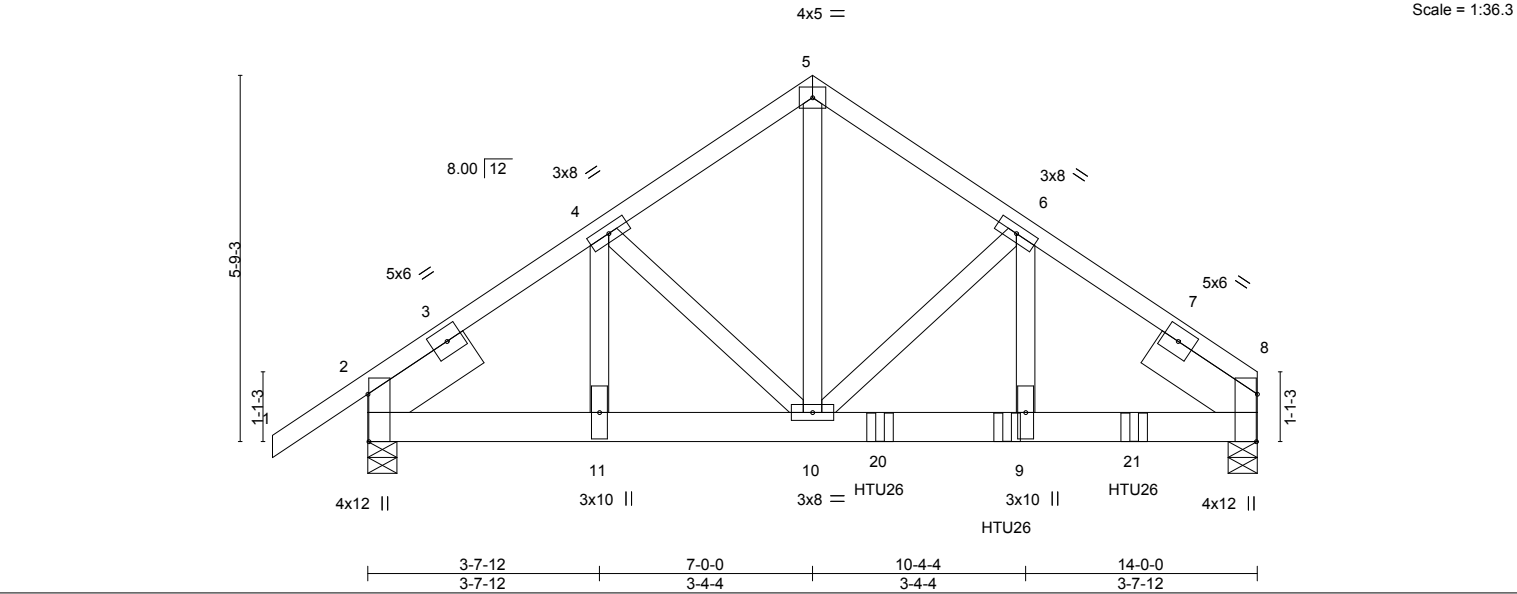
MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

| | | | | | | |
|---------|-------|---------------|-----|-----|--------------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | CURASCO RES. | T38959573 |
| 4894417 | T21 | Common Girder | 1 | 2 | Job Reference (optional) | |

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Thu Oct 23 12:18:17 2025 Page 1

ID:5r2frgbregYyobjgsnrYiDyVSr7-9svoTmmgl8UqLwrxnOKy3L6FrRl1YDjMMon2jyQXYa



| | | | | | | | | | | | |
|-----------------------|-------|----------------------------------|------|-----------|------|----------------|------------|------------|-----|----------------|----------|
| Plate Offsets (X,Y)-- | | [2:0-8-15,Edge], [8:0-8-15,Edge] | | | | | | | | | |
| 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 | 0.40 | Vert(LL) | 0.05 9-10 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.25 | BC | 0.77 | Vert(CT) | -0.08 9-10 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.49 | Horz(CT) | 0.02 8 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2023/TPI2014 | | Matrix-MS | | | | | | Weight: 202 lb | FT = 20% |

| | |
|----------------------------------------------------------------------|---------------------------------------------------------------------------|
| LUMBER- | BRACING- |
| TOP CHORD 2x4 SP No.2 | TOP CHORD Structural wood sheathing directly applied or 5-6-4 oc purlins. |
| BOT CHORD 2x6 SP No.2 | BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. |
| WEBS 2x4 SP No.3 | |
| SLIDER Left 2x8 SP 2400F 2.0E 1-11-8, Right 2x8 SP 2400F 2.0E 1-11-8 | |

| | |
|------------|----------------------------------------|
| REACTIONS. | (size) 8=0-5-8, 2=0-5-8 |
| | Max Horz 2=170(LC 26) |
| | Max Uplift 8=-1525(LC 9), 2=-805(LC 8) |
| | Max Grav 8=3943(LC 2), 2=1807(LC 1) |

| | |
|-----------|------------------------------------------------------------------------------|
| FORCES. | (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. |
| TOP CHORD | 2-4=-2129/958, 4-5=-2409/1165, 5-6=-2403/1160, 6-8=-4329/1780 |
| BOT CHORD | 2-11=-798/1720, 10-11=-798/1720, 9-10=-1383/3504, 8-9=-1383/3504 |
| WEBS | 5-10=-1141/2389, 6-10=-2082/820, 6-9=-864/2492, 4-10=-420/503, 4-11=-467/289 |

- NOTES-**
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-6-0 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 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 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) except (jt=lb) 8=1525, 2=805.
 - Use Simpson Strong-Tie HTU26 (10-10d Girder, 14-10dx1 1/2 Truss) or equivalent at 8-0-12 from the left end to connect truss(es) to front face of bottom chord.
 - Use Simpson Strong-Tie HTU26 (20-10d Girder, 11-10dx1 1/2 Truss) or equivalent spaced at 2-0-0 oc max. starting at 10-0-12 from the left end to 12-0-12 to connect truss(es) to front face of bottom chord.
 - Fill all nail holes where hanger is in contact with lumber.

| | |
|--------------|----------|
| LOAD CASE(S) | Standard |
|--------------|----------|

Continued on page 2

This item has been digitally signed and sealed by Velez, Joaquin, 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.

Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:

October 24,2025

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

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

| | | | | | |
|---------|-------|---------------|-----|-----|--------------|
| Job | Truss | Truss Type | Qty | Ply | CURASCO RES. |
| 4894417 | T21 | Common Girder | 1 | 2 | T38959573 |

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-60, 5-8=-60, 12-16=-20
Concentrated Loads (lb)
Vert: 9=-1493(F) 20=-1312(F) 21=-1493(F)

 **WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.**

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbccomponents.com)

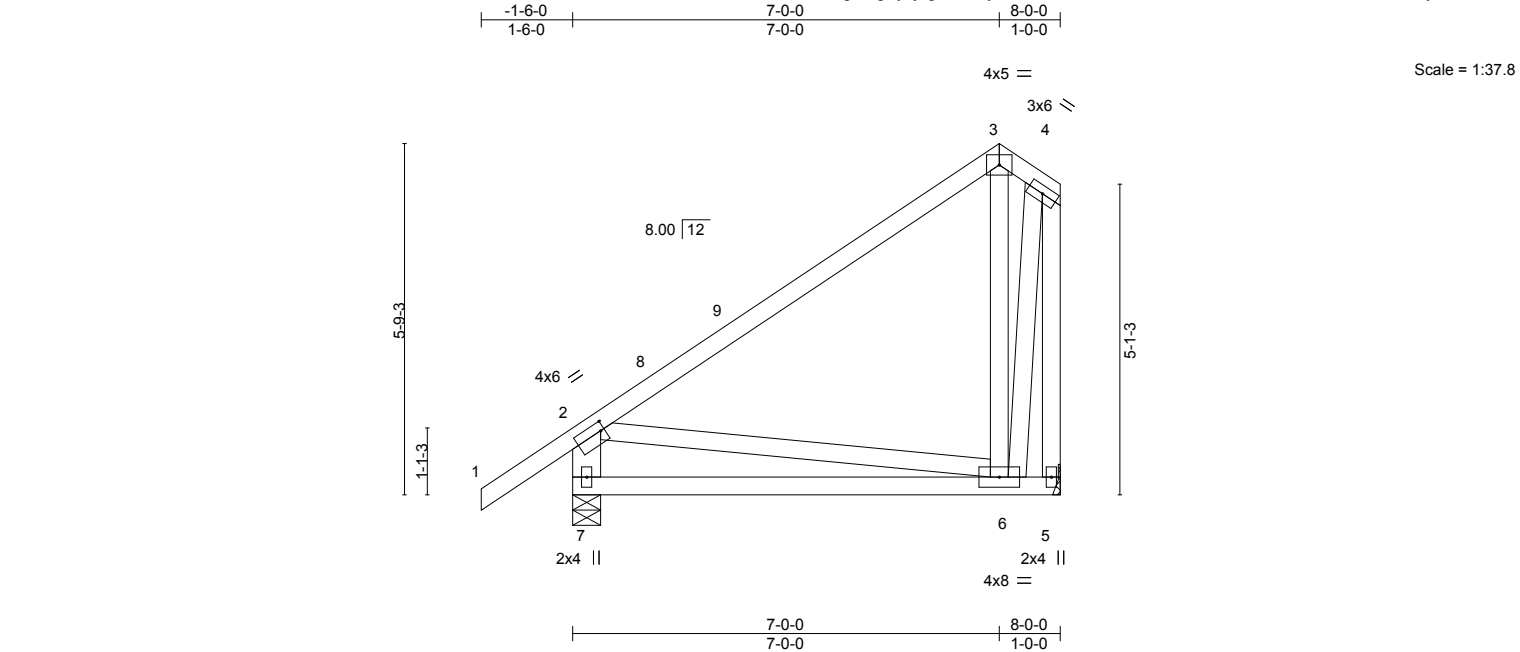
MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

| | | | | | | |
|---------|-------|------------|-----|-----|--------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | CURASCO RES. | T38959574 |
| 4894417 | T22 | Common | 3 | 1 | | |

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Thu Oct 23 12:18:18 2025 Page 1

ID:5r2frgbregYyobjgsnrYiDyVSr7-d2TAh6niWSchz4QuUVvZUGuDvEukm0msb0YKa9yQXYZ



| Plate Offsets (X,Y)-- | | [2:0-0-12,0-1-12] | | | |
|-----------------------|----------------------|-------------------|-----------------------------|---------------|----------|
| 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 0.66 | Vert(LL) -0.05 6-7 >999 240 | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL 1.25 | BC 0.37 | Vert(CT) -0.11 6-7 >844 180 | | |
| BCLL 0.0 * | Rep Stress Incr YES | WB 0.41 | Horz(CT) -0.01 5 n/a n/a | | |
| BCDL 10.0 | Code FBC2023/TPI2014 | Matrix-MS | | Weight: 63 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.2 | BOT CHORD Rigid ceiling directly applied or 7-2-7 oc bracing. |
| WEBS 2x4 SP No.3 *Except* 2-7: 2x6 SP No.2 | |

REACTIONS. (size) 7=0-5-8, 5=Mechanical
Max Horz 7=242(LC 12)
Max Uplift 7=-115(LC 12), 5=-195(LC 12)
Max Grav 7=421(LC 1), 5=319(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-7=-356/368, 4-5=-440/286
BOT CHORD 6-7=-675/549
WEBS 3-6=-269/394, 2-6=-468/609, 4-6=-393/506

- 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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-6-0 to 1-6-0, Zone1 1-6-0 to 7-0-0, Zone3 7-0-0 to 7-10-4 zone; end vertical left 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 3-6-0 tall by 2-0-0 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) except (jt=lb) 7=115, 5=195.

This item has been digitally signed and sealed by Velez, Joaquin, 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.

Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:

October 24,2025

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

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

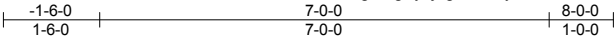
| | | | | | | |
|---------|-------|------------|-----|-----|--------------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | CURASCO RES. | T38959575 |
| 4894417 | T22G | GABLE | 1 | 1 | Job Reference (optional) | |

Builders FirstSource (Lake City,FL),

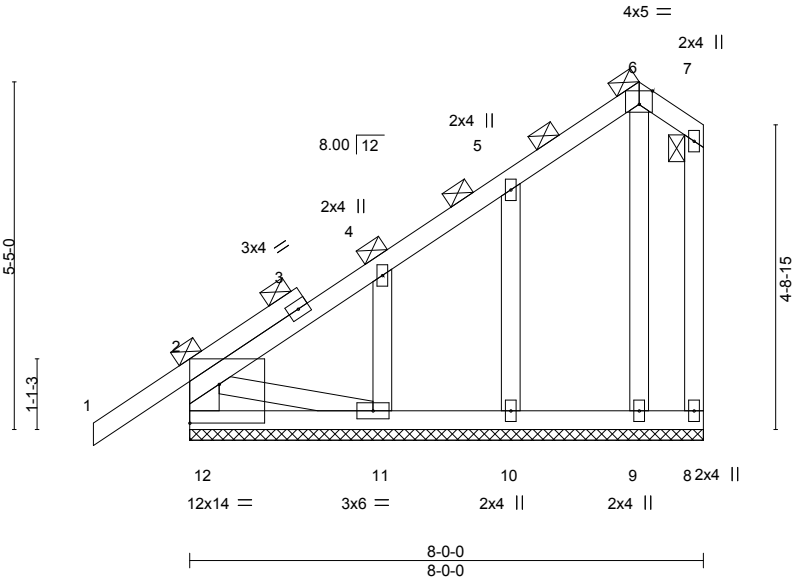
Lake City, FL - 32055,

8.830 s Sep 3 2025 MiTek Industries, Inc. Thu Oct 23 12:18:18 2025 Page 1

ID:5r2frgbregYyobjgsnrYiDyVSr7-d2TAh6nIWSchz4QuUVvZUGuHEEzmm5gsb0YKa9yQXYZ



Scale = 1:35.9



| | | | | | | | | | |
|-----------------------|---------------------------------|-------|----------|----------|----------|--------|-----|---------------|----------|
| Plate Offsets (X,Y)-- | [6:0-2-7,Edge], [12:Edge,0-7-4] | | | | | | | | |
| 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 0.38 | Vert(LL) | 0.00 | 1 | n/r | 120 | 244/190 |
| TCDL 10.0 | Lumber DOL | 1.25 | BC 0.05 | Vert(CT) | -0.01 | 1 | n/r | 120 | |
| BCLL 0.0 * | Rep Stress Incr | YES | WB 0.09 | Horz(CT) | -0.00 | 8 | n/a | n/a | |
| BCDL 10.0 | Code FBC2023/TPI2014 | | Matrix-S | | | | | | |
| | | | | | | | | Weight: 59 lb | FT = 20% |

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
2-12: 2x6 SP No.2
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, Except:
6-0-0 oc bracing: 11-12.

REACTIONS.

All bearings 8-0-0.
(lb) - Max Horz 12=241(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 12, 8, 9 except 10=-121(LC 12), 11=-174(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 12, 8, 9, 10, 11

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

TOP CHORD 2-4=-318/152
BOT CHORD 11-12=-297/154
WEBS 5-10=-161/263, 4-11=-178/266, 2-11=-159/307

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end 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
- 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.
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 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) 12, 8, 9 except (jt=lb) 10=121, 11=174.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

This item has been digitally signed and sealed by Velez, Joaquin, 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.

Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:

October 24,2025

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcsccomponents.com)

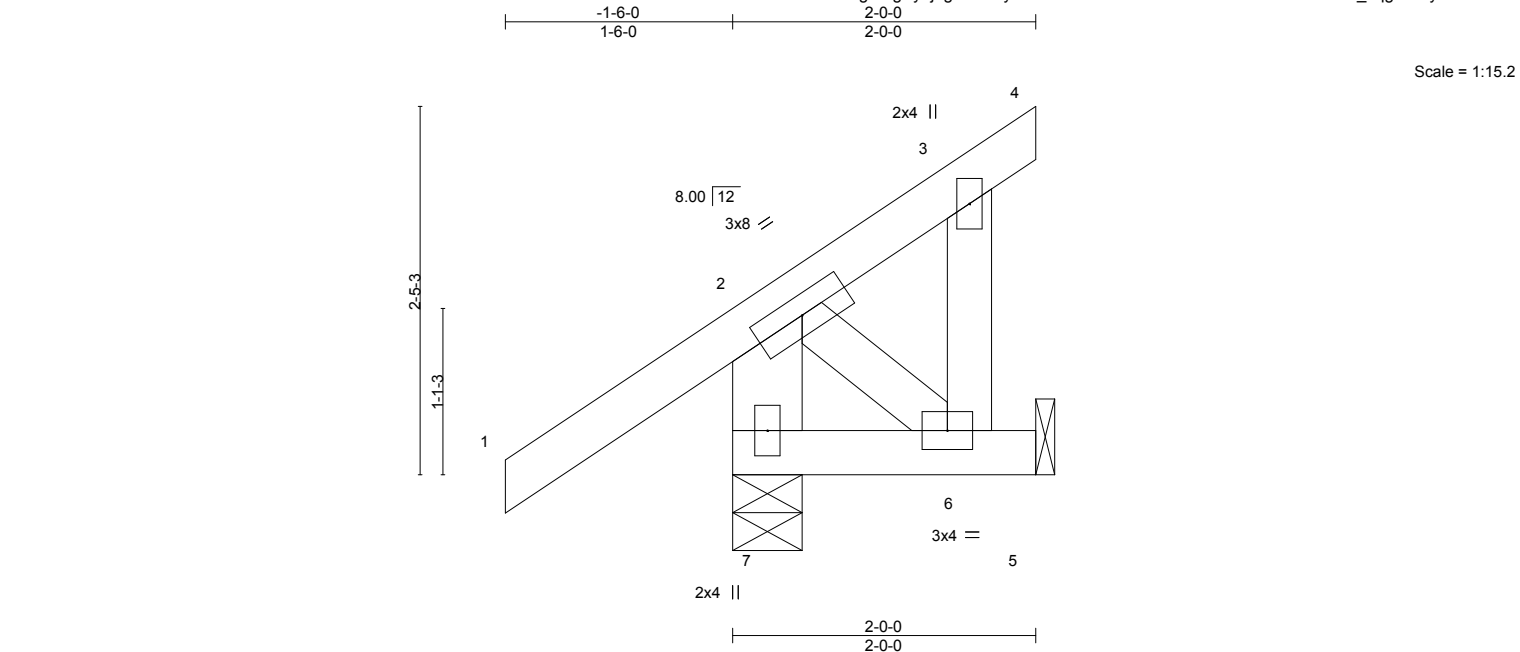
MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

| | | | | | | |
|---------|-------|-------------|-----|-----|--------------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | CURASCO RES. | T38959576 |
| 4894417 | T23 | Jack-Closed | 1 | 1 | Job Reference (optional) | |

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Thu Oct 23 12:18:19 2025 Page 1

ID:5r2frgbregYyobjgsnrYiDyVSr7-5E1ZuSnwHlkYaE?42CRo1UQSUelaVY_0qgHt6byQXY



| 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 0.42 | Vert(LL) | 0.00 7 | >999 | 240 | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL | 1.25 | BC 0.08 | Vert(CT) | -0.00 6 | >999 | 180 | | |
| BCLL 0.0 * | Rep Stress Incr | YES | WB 0.09 | Horz(CT) | -0.00 5 | n/a | n/a | | |
| BCDL 10.0 | Code FBC2023/TP12014 | | Matrix-MP | | | | | Weight: 15 lb | FT = 20% |

| | | | |
|--------------------------------------------|--|-----------------|---------------------------------------------------------------------------------------|
| LUMBER- | | BRACING- | |
| TOP CHORD 2x4 SP No.2 | | TOP CHORD | Structural wood sheathing directly applied or 2-0-0 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 *Except* 2-7: 2x6 SP No.2 | | | |

REACTIONS. (size) 7=0-5-8, 5=Mechanical
Max Horz 7=90(LC 12)
Max Uplift 7=-65(LC 12), 5=-54(LC 12)
Max Grav 7=225(LC 1), 5=49(LC 10)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-6=-66/293

- 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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-6-0 to 1-6-12, Zone1 1-6-12 to 2-0-0 zone; end vertical left 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 3-6-0 tall by 2-0-0 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) 7, 5.

This item has been digitally signed and sealed by Velez, Joaquin, 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.

Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:

October 24,2025

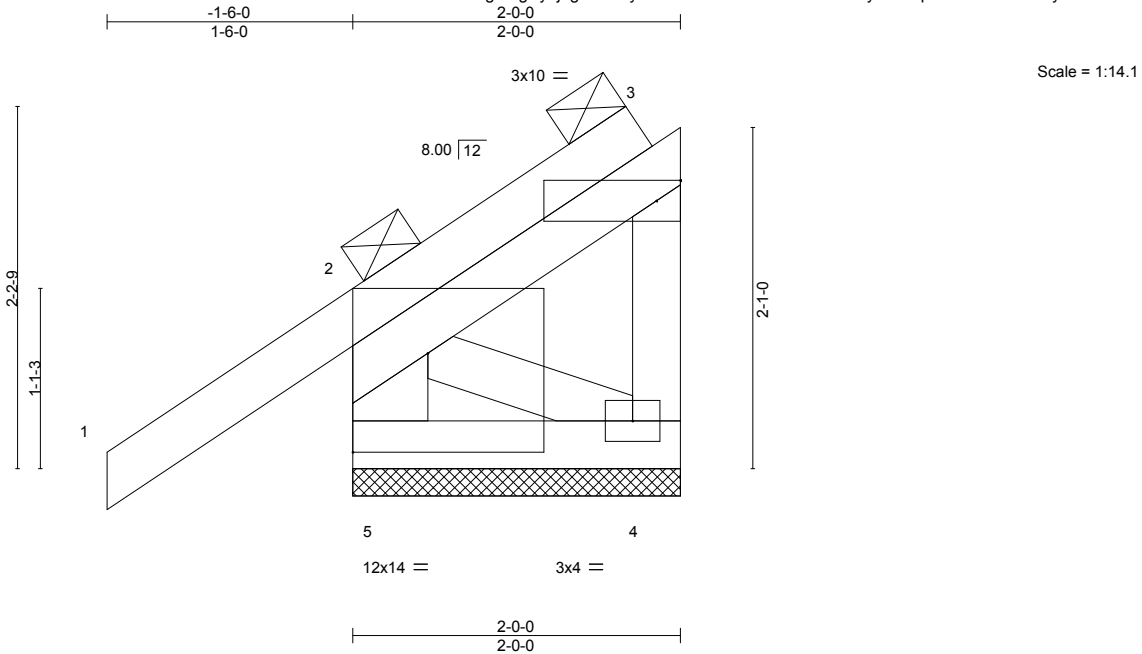
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbccomponents.com)

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

| | | | | | | |
|---------|-------|---------------------------|-----|-----|--------------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | CURASCO RES. | T38959577 |
| 4894417 | T23G | Monopitch Supported Gable | 1 | 1 | Job Reference (optional) | |

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.830 s Sep 3 2025 MiTek Industries, Inc. Thu Oct 23 12:18:20 2025 Page 1
ID:5r2frgbregYyobjgsnrYiDyVSr7-ZQax5ooY23sPCOaGcwY1ahzdp2fbE?J93K1Re1yQXYX



| Plate Offsets (X,Y)-- | | [5:Edge,0-7-4] | |
|-----------------------|-----------------|-----------------|----------------------------------|
| LOADING (psf) | SPACING- | 2-0-0 | CSI. |
| TCLL 20.0 | Plate Grip DOL | 1.25 | TC 0.44 |
| TCDL 10.0 | Lumber DOL | 1.25 | BC 0.03 |
| BCLL 0.0 * | Rep Stress Incr | YES | WB 0.08 |
| BCDL 10.0 | Code | FBC2023/TPI2014 | Matrix-P |
| | | | DEFL. in (loc) l/defl L/d |
| | | | Vert(LL) -0.01 1 n/r 120 |
| | | | Vert(CT) -0.01 1 n/r 120 |
| | | | Horz(CT) -0.00 4 n/a n/a |
| | | | PLATES GRIP |
| | | | MT20 244/190 |
| | | | Weight: 18 lb FT = 20% |

| | |
|---------------------------|----------------------------------------------------------------|
| LUMBER- | BRACING- |
| TOP CHORD 2x4 SP No.2 | TOP CHORD 2-0-0 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 *Except* | |
| 2-5: 2x6 SP No.2 | |

| | |
|-------------------|---------------------------------------|
| REACTIONS. | (size) 5=2-0-0, 4=2-0-0 |
| | Max Horz 5=95(LC 12) |
| | Max Uplift 5=-70(LC 12), 4=-46(LC 12) |
| | Max Grav 5=224(LC 1), 4=35(LC 10) |

| | |
|----------------|------------------------------------------------------------------------------|
| FORCES. | (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. |
| TOP CHORD | 2-5=-208/313 |
| BOT CHORD | 4-5=-251/81 |
| WEBS | 2-4=-90/277 |

- 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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end 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) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - 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 3-6-0 tall by 2-0-0 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 100 lb uplift at joint(s) 5, 4.
 - 11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

This item has been digitally signed and sealed by Velez, Joaquin, 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.

Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:

October 24,2025

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

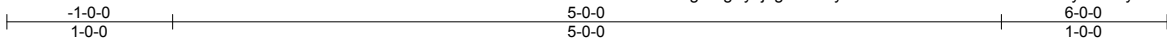
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

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

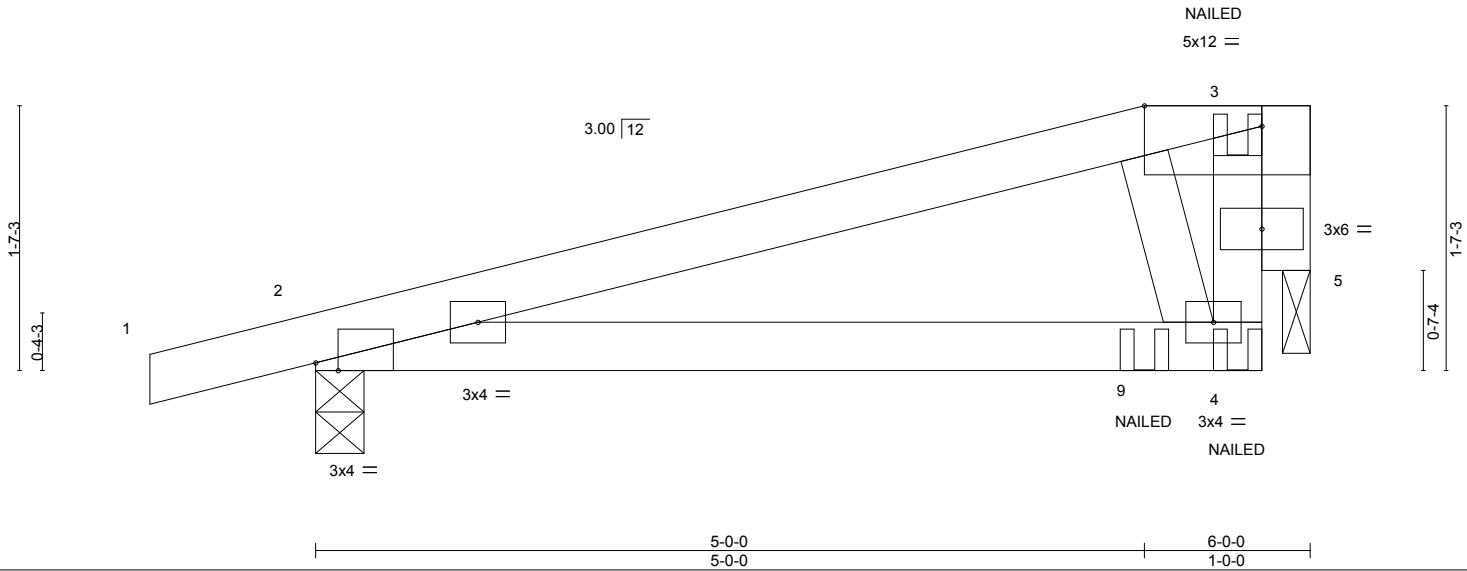
| | | | | | | |
|---------|-------|-----------------|-----|-----|--------------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | CURASCO RES. | T38959578 |
| 4894417 | T24 | Half Hip Girder | 2 | 1 | Job Reference (optional) | |

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Thu Oct 23 12:18:20 2025 Page 1
ID:5r2frgbregYyobjgsnrYiDyVSr7-ZQax5ooY23sPCOaGcwY1ahzdy2aQE0U93K1Re1yQXYX



Scale = 1:13.9



| Plate Offsets (X,Y)-- [2:0-1-10,Edge], [3:0-8-8,Edge] | | | | | | | | | | | | |
|-------------------------------------------------------|-------|----------------------|------|-----------|------|---------------------------|-------|-----|------|-------------|---------------|----------|
| 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 | 0.43 | Vert(LL) | 0.08 | 4-8 | >857 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.25 | BC | 0.36 | Vert(CT) | -0.08 | 4-8 | >819 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.01 | Horz(CT) | 0.00 | 5 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2023/TPI2014 | | Matrix-MP | | | | | | | Weight: 24 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 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, 5=0-2-0
Max Horz 2=86(LC 4)
Max Uplift 2=225(LC 4), 5=350(LC 4)
Max Grav 2=296(LC 1), 5=432(LC 1)

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 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) except (jt=lb) 2=225, 5=350.
- "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidelines.
- 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

- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-60, 4-6=-20
Concentrated Loads (lb)
Vert: 3=-93(B) 4=-51(B) 9=-79(B)

This item has been digitally signed and sealed by Velez, Joaquin, 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.

Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:

October 24,2025

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

MiTek®

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

| | | | | | | |
|---------|-------|------------|-----|-----|--------------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | CURASCO RES. | T38959579 |
| 4894417 | T25 | KINGPOST | 15 | 1 | Job Reference (optional) | |

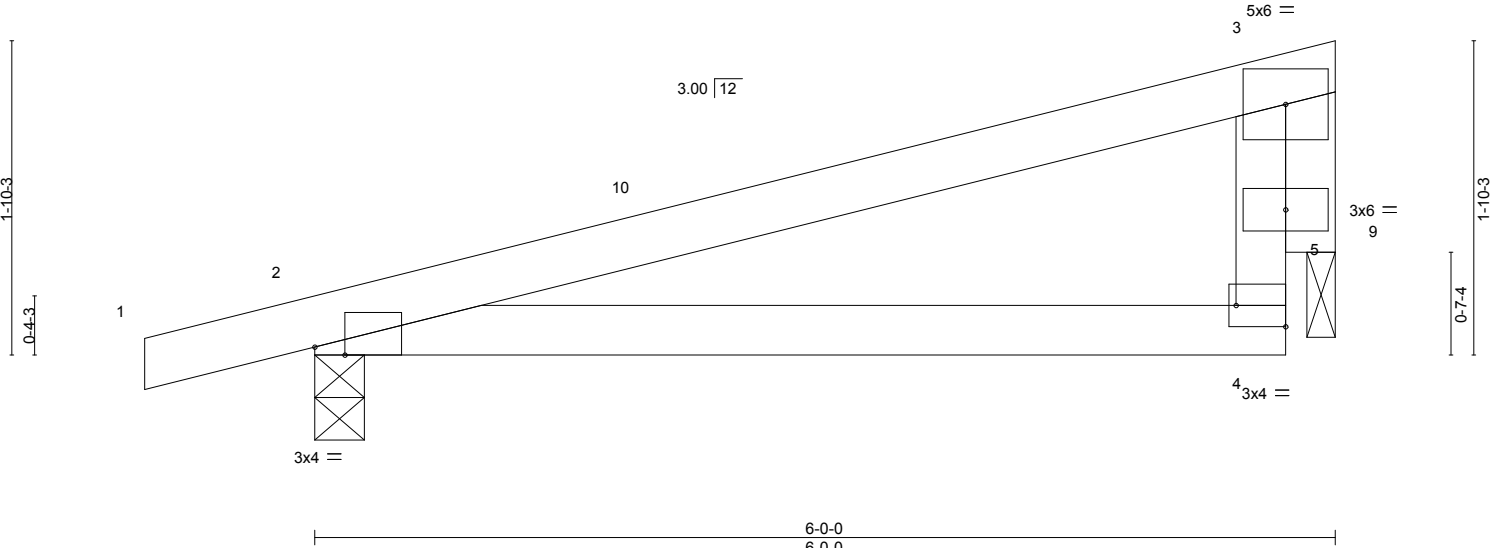
Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.830 s Sep 3 2025 MiTek Industries, Inc. Thu Oct 23 12:18:21 2025 Page 1

ID:5r2frgbregYyobjgsnrYiDyVSr7-1d8JJ8pBpN_GqY9TAdTG6vWntSwxzO8IH_m_BUyQXYW



Scale = 1:13.5



| Plate Offsets (X,Y)-- | | [2:0-2-2,Edge], [4:Edge,0-1-8] | |
|-----------------------|-----------------|--------------------------------|----------------------------|
| LOADING (psf) | SPACING- | 2-0-0 | CSI. |
| TCLL 20.0 | Plate Grip DOL | 1.25 | TC 0.42 |
| TCDL 10.0 | Lumber DOL | 1.25 | BC 0.28 |
| BCLL 0.0 * | Rep Stress Incr | YES | WB 0.36 |
| BCDL 10.0 | Code | FBC2023/TPI2014 | Matrix-MR |
| | | | DEFL. |
| | | | in (loc) l/defl L/d |
| | | | Vert(LL) 0.06 4-8 >999 240 |
| | | | Vert(CT) 0.05 4-8 >999 180 |
| | | | Horz(CT) -0.00 2 n/a n/a |
| | | | PLATES GRIP |
| | | | MT20 244/190 |
| | | | Weight: 22 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 Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-0-13 oc bracing.

REACTIONS.

(size) 2=0-3-8, 9=0-2-0
Max Horz 2=86(LC 8)
Max Uplift 2=-228(LC 8), 9=-158(LC 8)
Max Grav 2=301(LC 1), 9=204(LC 1)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-253/306
BOT CHORD 2-4=-356/229

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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-0-0 to 2-0-0, Zone1 2-0-0 to 5-6-12 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Bearing at joint(s) 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 7) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 9.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=228, 9=158.

This item has been digitally signed and sealed by Velez, Joaquin, 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.

Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:

October 24,2025

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

MiTek®

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

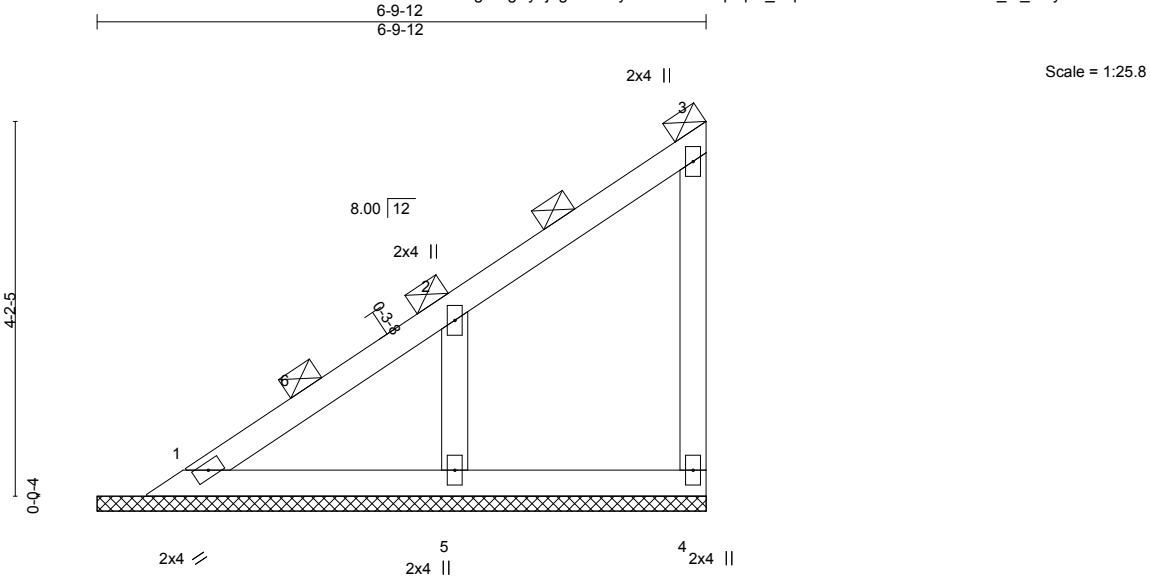
| | | | | | |
|--------------------------|-------|------------|-----|-----|--------------|
| Job | Truss | Truss Type | Qty | Ply | CURASCO RES. |
| 4894417 | V01 | GABLE | 2 | 1 | T38959580 |
| Job Reference (optional) | | | | | |

Builders FirstSource (Lake City,FL),

Lake City, FL - 32055,

8.830 s Sep 3 2025 MiTek Industries, Inc. Thu Oct 23 12:18:21 2025 Page 1

ID:5r2frgbregYyobjgsnrYiDyVSr7-1d8JJ8pBpN_GqY9TAdTG6vWrwSz7zS9IH_m_BUyQXYW



| LOADING (psf) | SPACING- | 2-0-0 | CSI. | DEFL. | in (loc) | I/defl | L/d | PLATES | GRIP |
|---------------|----------------------|-------|----------|----------|----------|--------|-----|--------|------------------------|
| TCLL 20.0 | Plate Grip DOL | 1.25 | TC 0.16 | Vert(LL) | n/a | - | n/a | 999 | MT20 |
| TCDL 10.0 | Lumber DOL | 1.25 | BC 0.08 | Vert(CT) | n/a | - | n/a | 999 | 244/190 |
| BCLL 0.0 * | Rep Stress Incr | YES | WB 0.11 | Horz(CT) | 0.00 | | n/a | n/a | |
| BCDL 10.0 | Code FBC2023/TPI2014 | | Matrix-P | | | | | | |
| | | | | | | | | | Weight: 28 lb FT = 20% |

| | | | |
|----------------|-------------|-----------------|------------------------------------------------------|
| LUMBER- | | BRACING- | |
| TOP CHORD | 2x4 SP No.2 | TOP CHORD | 2-0-0 oc purlins (6-0-0 max.), 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 | | |
| OTHERS | 2x4 SP No.3 | | |

REACTIONS. (size) 1=6-9-12, 4=6-9-12, 5=6-9-12
Max Horz 1=188(LC 12)
Max Uplift 4=-55(LC 12), 5=-203(LC 12)
Max Grav 1=104(LC 21), 4=86(LC 19), 5=317(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-284/140
WEBS 2-5=-246/362

- 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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 1-0-1 to 4-0-0, Zone1 4-0-0 to 6-8-0 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) 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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 5=203.
 - 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

This item has been digitally signed and sealed by Velez, Joaquin, 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.

Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:

October 24,2025

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

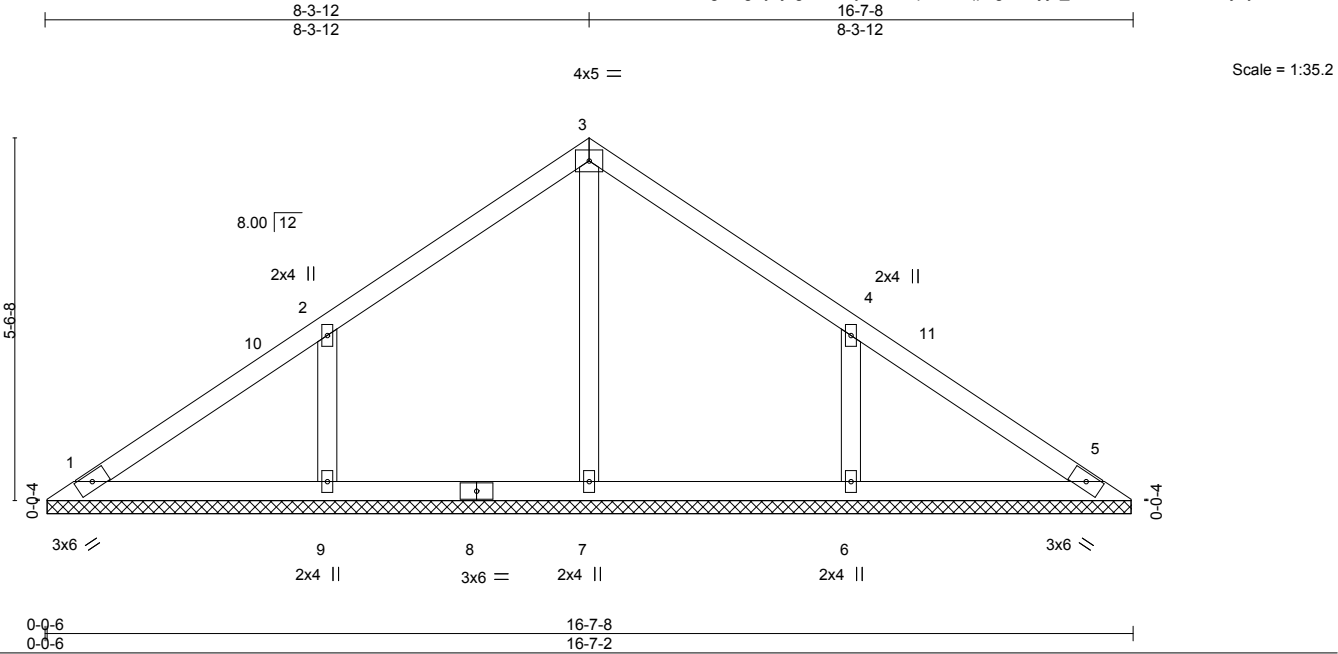
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

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

| | | | | | | |
|---------|-------|------------|-----|-----|--------------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | CURASCO RES. | T38959581 |
| 4894417 | V02 | Valley | 1 | 1 | Job Reference (optional) | |

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Thu Oct 23 12:18:22 2025 Page 1
ID:5r2frgbregYyobjgsnrYiDyVSr7-VpihWUqpag67RijfL_Vf62?xrJVivhSWeWXjwyQXYV



| 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 0.21 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL | 1.25 | BC 0.13 | Vert(CT) | n/a | - | n/a | 999 | | |
| BCLL 0.0 * | Rep Stress Incr | YES | WB 0.09 | Horz(CT) | 0.00 | 5 | n/a | n/a | | |
| BCDL 10.0 | Code FBC2023/TP12014 | | Matrix-S | | | | | | Weight: 67 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.2 | BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. |
| OTHERS 2x4 SP No.3 | |

REACTIONS. All bearings 16-6-12.
(lb) - Max Horz 1=166(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 9=272(LC 12), 6=272(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 5, 7 except 9=416(LC 19), 6=416(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-9=-320/289, 4-6=-320/289

- 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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 0-5-12 to 3-5-12, Zone1 3-5-12 to 8-3-12, Zone2 8-3-12 to 12-3-12, Zone1 12-3-12 to 16-1-11 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) 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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 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) 9=272, 6=272.

This item has been digitally signed and sealed by Velez, Joaquin, 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.

Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:

October 24,2025

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

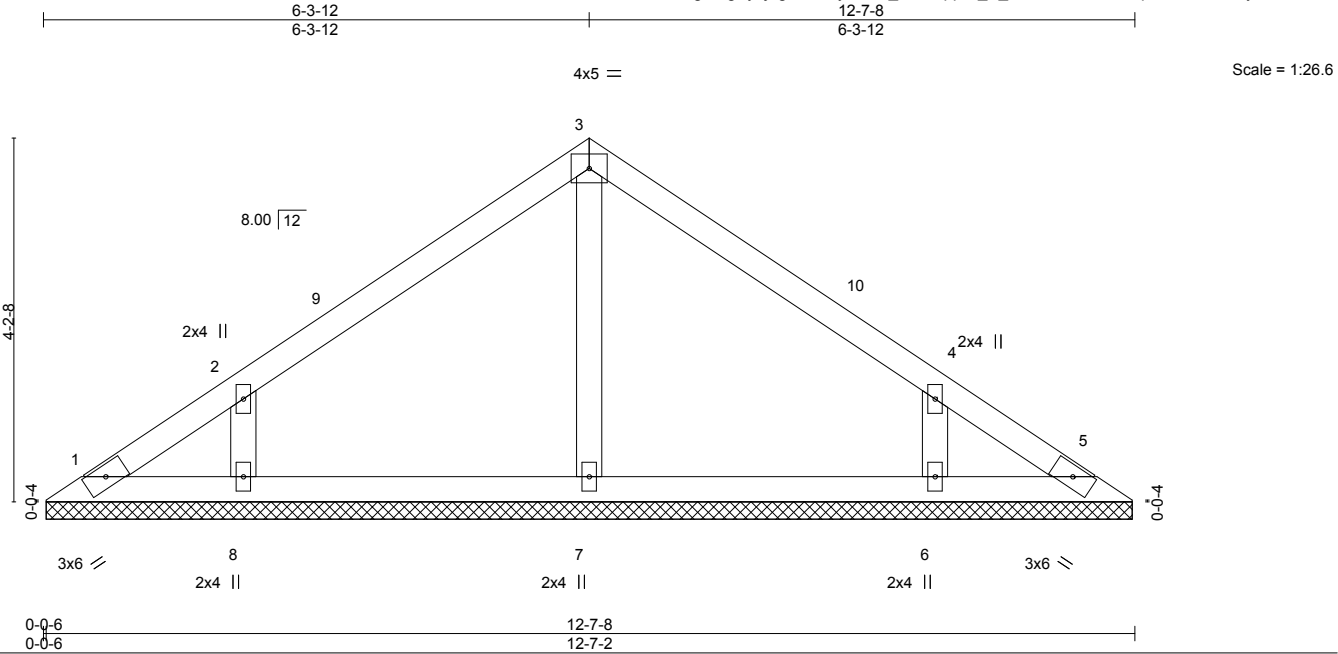
MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

| | | | | | | |
|---------|-------|------------|-----|-----|--------------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | CURASCO RES. | T38959582 |
| 4894417 | V03 | Valley | 1 | 1 | Job Reference (optional) | |

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Thu Oct 23 12:18:23 2025 Page 1

ID:5r2frgbregYyobjgsnrYiDyVSr7-_?G3kqqRL_E_3rlrH2VkBKbB7FfpRMvblIF5FMMyQXYU



| 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 0.18 | Vert(LL) | n/a | - | n/a | 999 | MT20 |
| TCDL 10.0 | Lumber DOL | 1.25 | BC 0.12 | Vert(CT) | n/a | - | n/a | 999 | 244/190 |
| BCLL 0.0 * | Rep Stress Incr | YES | WB 0.09 | Horz(CT) | 0.00 | 5 | n/a | n/a | |
| BCDL 10.0 | Code FBC2023/TPI2014 | | Matrix-S | | | | | | |
| | | | | | | | | Weight: 48 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. All bearings 12-6-12.
(lb) - Max Horz 1=-124(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5, 7 except 8=-220(LC 12), 6=-220(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=266(LC 1), 8=330(LC 19), 6=330(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-8=-266/309, 4-6=-266/309

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCdL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 0-5-12 to 3-5-12, Zone1 3-5-12 to 6-3-12, Zone2 6-3-12 to 10-3-12, Zone1 10-3-12 to 12-1-11 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 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) 1, 5, 7 except (jt=lb) 8=220, 6=220.

This item has been digitally signed and sealed by Velez, Joaquin, 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.

Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:

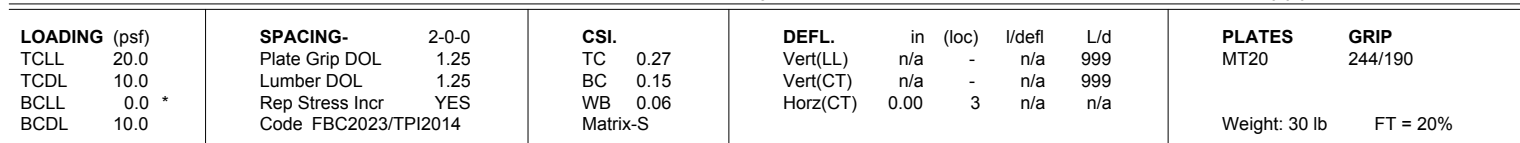
October 24,2025

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

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

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.830 s Sep 3 2025 MiTek Industries, Inc. Thu Oct 23 12:18:23 2025 Page 1
ID:5r2frgbregYyobjgsnrYiDyVSr7-_?G3kqqRL_E_3rlrH2VkbKb9nFeQRNOblIF5FMMyQXYU
4-3-12 8-7-8
4-3-12 4-3-12
4x5 = Scale = 1:19.4



REACTIONS. (size) 1=8-6-12, 3=8-6-12, 4=8-6-12
 Max Horz 1=81(LC 8)
 Max Uplift 1=64(LC 12), 3=75(LC 13), 4=83(LC 12)
 Max Grav 1=151(LC 1), 3=153(LC 20), 4=311(LC 1)

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDF=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 0-5-12 to 3-5-12, Zone1 3-5-12 to 4-3-12, Zone3 4-3-12 to 8-1-11 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) 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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 4.

This item has been digitally signed and sealed by Velez, Joaquin, 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.

Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:

October 24, 2025



Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TP1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Components Association (www.sbcsccomponents.com)

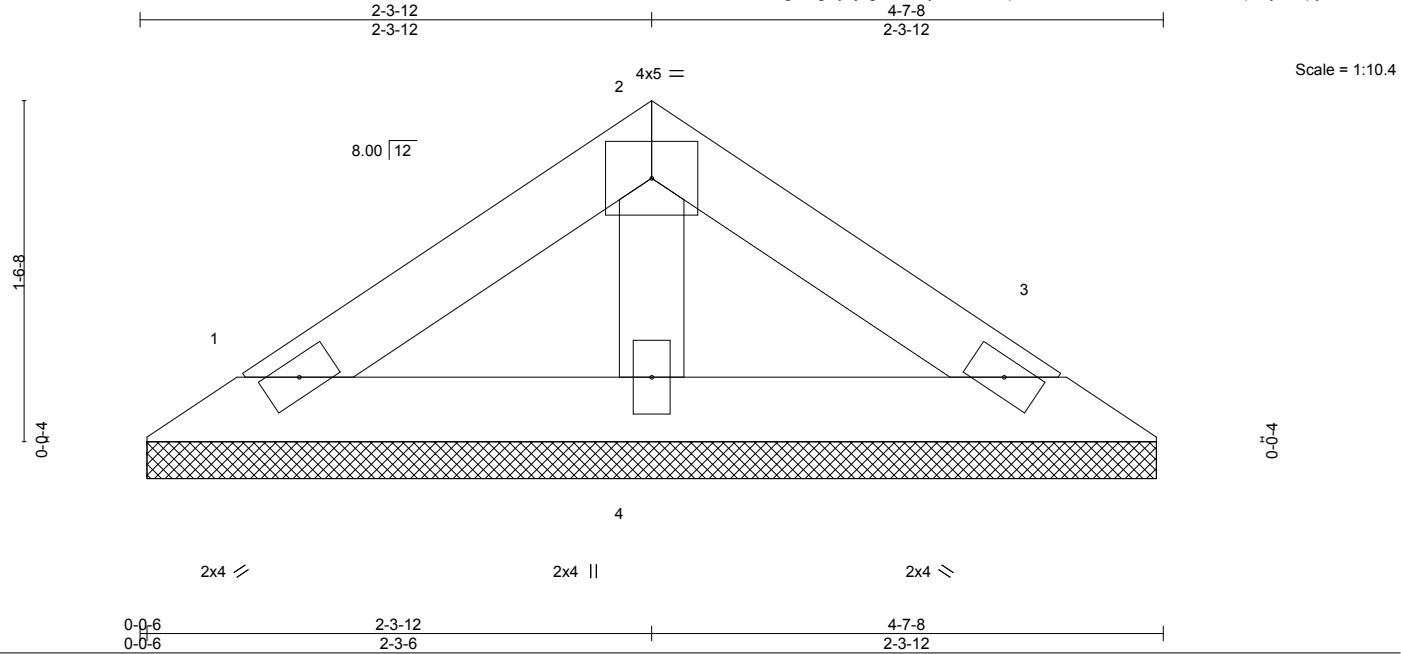
MiTek®

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

| | | | | | | |
|---------|-------|------------|-----|-----|--------------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | CURASCO RES. | T38959584 |
| 4894417 | V05 | Valley | 1 | 1 | Job Reference (optional) | |

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

8.830 s Sep 3 2025 MiTek Industries, Inc. Thu Oct 23 12:18:24 2025 Page 1
ID:5r2frgbregYyobjgsnrYiDyVSr7-SCqSxAr36IMrh?12r10zkX7N2f0QAq1lzy?eopyQXYT



| 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 0.11 | Vert(LL) | n/a | - | n/a | 999 | MT20 |
| TCDL 10.0 | Lumber DOL | 1.25 | BC 0.03 | Vert(CT) | n/a | - | n/a | 999 | 244/190 |
| BCLL 0.0 * | Rep Stress Incr | YES | WB 0.04 | Horz(CT) | 0.00 | 3 | n/a | n/a | |
| BCDL 10.0 | Code FBC2023/TPI2014 | | Matrix-P | | | | | | |
| | | | | | | | | | Weight: 15 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 4-7-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 1=4-6-12, 3=4-6-12, 4=4-6-12
Max Horz 1=-39(LC 8)
Max Uplift 1=-37(LC 12), 3=-42(LC 13), 4=-28(LC 12)
Max Grav 1=79(LC 1), 3=79(LC 1), 4=135(LC 1)

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

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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end 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) 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) 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 20.0psf on the bottom chord in all areas where a rectangle 3'-6" tall by 2'-0" wide will fit between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 4.

This item has been
digitally signed and
sealed by Velez, Joaquin, 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.

Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:

October 24,2025

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

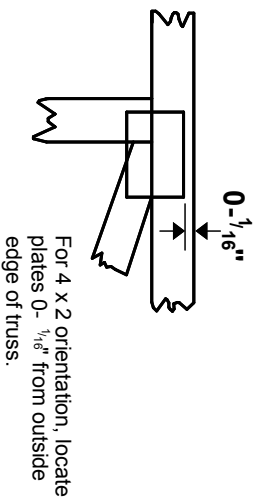
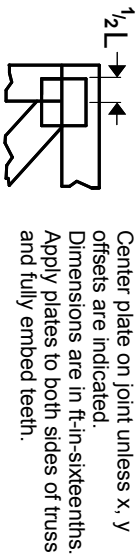
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

MiTek®

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

Symbols

PLATE LOCATION AND ORIENTATION



For 4 x 2 orientation, locate plates 0- $\frac{1}{16}$ " from outside edge of truss.

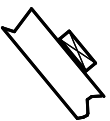
—
This symbol indicates the required direction of slots in connector plates.

* Plate location details available in MITek software or upon request.

PLATE SIZE

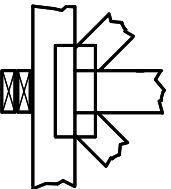
4 X 4
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



Indicated by symbol shown and/or by text in the bracing section of the output. Use T or I bracing if indicated.

BEARING

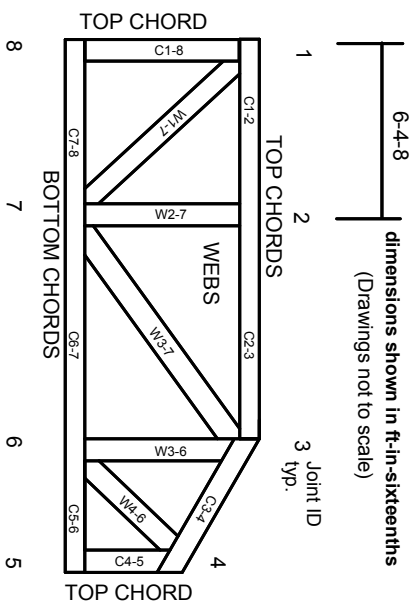


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number/letter where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TP1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-22: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

Product Code Approvals

ICC-ES Reports:

ESR-1988, ESR-2362, ESR-2685, ESR-3282
ESR-4722, ESL-1388

Design General Notes

Trusses are designed for wind loads in the plane of the truss unless otherwise shown.

Lumber design values are in accordance with ANSI/TP1 1 section 6.3. These truss designs rely on lumber values established by others.

© 2023 MITek® All Rights Reserved

MITek®

MITek Engineering Reference Sheet: MIL-7473 rev. 1/2/2023

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor I bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TP1 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TP1 1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TP1 1 Quality Criteria.
21. The design does not take into account any dynamic or other loads other than those expressly stated.