

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

Re: Gardenia - Modern
Gardenia - Modern

The truss drawing(s) referenced below have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Wheeler - Waverly.

Pages or sheets covered by this seal: I78442715 thru I78442725

My license renewal date for the state of Kansas is April 30, 2026.

Kansas COA: E-943

1 Reserve at Blackwell -
Gardenia Modern

664 SE Wood Ln

Lee's Summit MO



EVERSTEAD
SHOP DRAWINGS/SUBMITTAL REVIEW

SUBMITTAL WAS REVIEWED FOR DESIGN CONFORMITY AND GENERAL CONFORMANCE TO CONTRACT DOCUMENTS ONLY. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING DIMENSIONS AT JOBSITE FOR TOLERANCE, CLEARANCE, QUANTITIES, FABRICATION, COORDINATION OF HIS OR HER WORK WITH OTHER TRADES, AND FULL COMPLIANCE WITH CONTRACT DOCUMENTS.

STATUS:

APPROVED AS
NOTED

12/12/2025

REVIEWED BY:

H CJ

ENGINEER, EVERSTEAD ENGINEERING & DESIGN LLC.

TRUSS LAYOUT APPROVED FOR
THE ADDRESS LISTED

December 11, 2025

Garcia, Juan

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.

Re: Gardenia - Modern
Gardenia - Modern

The truss drawing(s) referenced below have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Wheeler - Waverly.

Pages or sheets covered by this seal: I78442715 thru I78442725

My license renewal date for the state of Missouri is December 31, 2026.

Missouri COA: Engineering 001193



December 11, 2025

Garcia, Juan ,Engineer

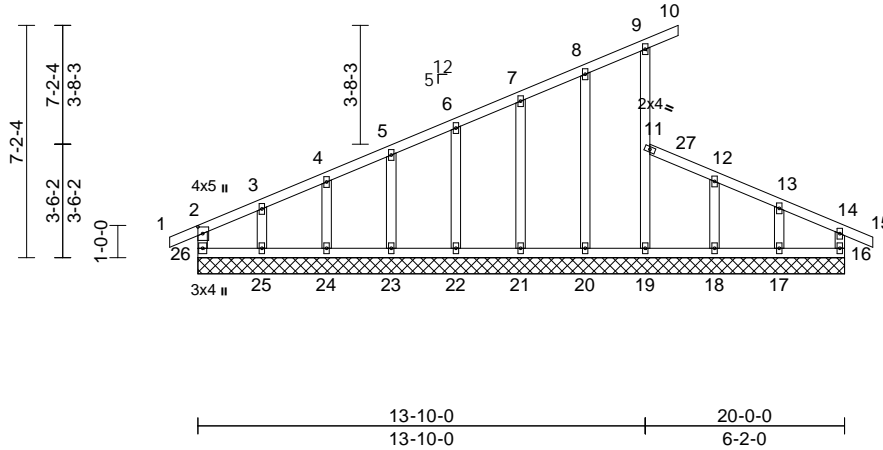
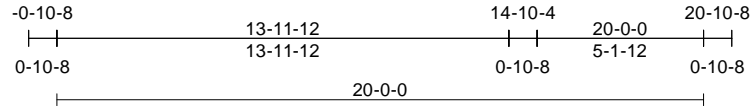
IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which 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.

| | | | | | | |
|--------------------------|-------------|--|----------|----------|---|-----------|
| Job Gardenia - Modern | Truss A1 | Truss Type Roof Special Supported Gable | Qty 1 | Ply 1 | Gardenia - Modern Job Reference (optional) | 178442715 |
|--------------------------|-------------|--|----------|----------|---|-----------|

Wheeler Lumber, Waverly, KS - 66871,

Run: 8.83 S Sep 3 2025 Print: 8.830 S Sep 3 2025 MiTek Industries, Inc. Thu Dec 11 10:58:19
ID:Kg58GwAAGBKweiMox8PY61yxAa7-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCdoi7J4zJC7f

Page: 1



Scale = 1:71.3

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

| Loading | (psf) | Spacing | 2-0-0 | CSI | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP | |
|-------------|-------|-----------------|-----------------|----------|------|----------|-------|--------|-----|--------|---------------|----------|
| TCLL (roof) | 25.0 | Plate Grip DOL | 1.15 | TC | 0.17 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 197/144 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.14 | Vert(CT) | n/a | - | n/a | 999 | | |
| BCLL | 0.0* | Rep Stress Incr | YES | WB | 0.07 | Horz(CT) | 0.00 | 16 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2018/TPI2014 | Matrix-R | | | | | | | Weight: 86 lb | FT = 10% |

LUMBER
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.2
OTHERS 2x4 SPF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. Except: 6-0-0 oc bracing: 9-11
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (size)
16=20-0-0, 17=20-0-0, 18=20-0-0, 19=20-0-0, 20=20-0-0, 21=20-0-0, 22=20-0-0, 23=20-0-0, 24=20-0-0, 25=20-0-0, 26=20-0-0
Max Horiz 26=302 (LC 8)
Max Uplift 16=36 (LC 8), 17=68 (LC 4), 18=58 (LC 9), 19=39 (LC 5), 20=44 (LC 8), 21=49 (LC 8), 22=45 (LC 8), 23=59 (LC 8), 24=5 (LC 8), 25=232 (LC 8)
Max Grav 16=161 (LC 22), 17=166 (LC 1), 18=188 (LC 1), 19=211 (LC 1), 20=165 (LC 1), 21=183 (LC 21), 22=180 (LC 1), 23=179 (LC 1), 24=184 (LC 21), 25=165 (LC 1), 26=230 (LC 8)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-26=-178/0, 1-2=0/27, 2-3=-341/41, 3-4=-266/34, 4-5=-238/32, 5-6=-199/30, 6-7=-163/30, 7-8=-125/42, 8-9=-91/43, 9-10=-27/0, 11-19=-171/63, 9-11=-144/86, 11-12=-56/101, 12-13=-66/70, 13-14=-89/56, 14-15=0/27, 14-16=-143/45

BOT CHORD 25-26=-20/107, 24-25=-20/107, 23-24=-20/107, 22-23=-20/107, 21-22=-20/107, 20-21=-20/107, 19-20=-20/107, 18-19=-21/99, 17-18=-21/99, 16-17=-21/99
WEBS 8-20=-127/64, 7-21=-143/74, 6-22=-140/70, 5-23=-139/77, 4-24=-144/49, 3-25=-125/174, 12-18=-146/89, 13-17=-126/78

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCCL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; end vertical left and right exposed; 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.
- 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 39 lb uplift at joint 19, 36 lb uplift at joint 16, 44 lb uplift at joint 20, 49 lb uplift at joint 21, 45 lb uplift at joint 22, 59 lb uplift at joint 23, 5 lb uplift at joint 24, 232 lb uplift at joint 25, 58 lb uplift at joint 18 and 68 lb uplift at joint 17.

11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
LOAD CASE(S) Standard



December 11, 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)

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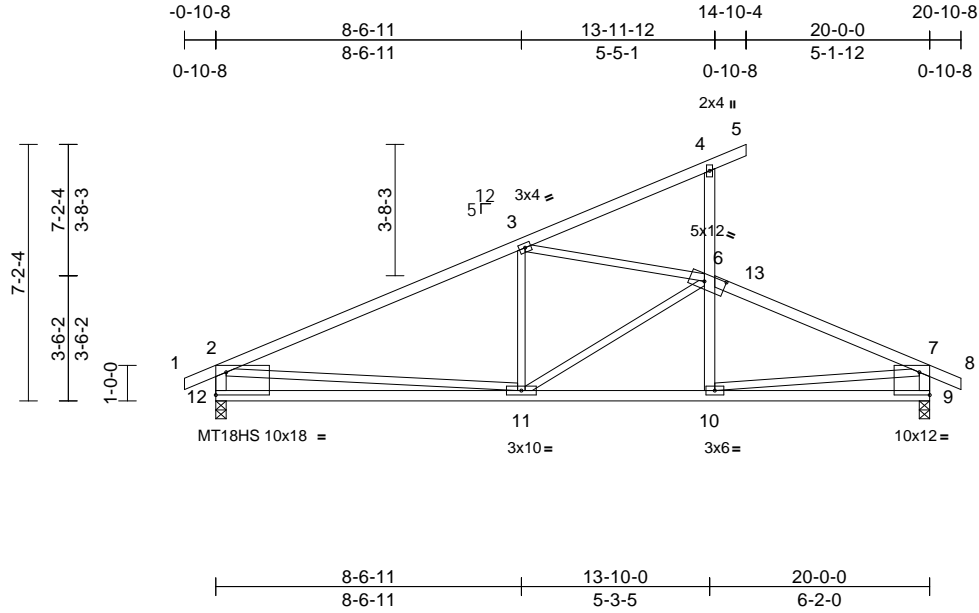
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314.434.1200 / MiTek-US.com

| | | | | | | |
|--------------------------|-------------|----------------------------|----------|----------|---|-----------|
| Job Gardenia - Modern | Truss A2 | Truss Type Roof Special | Qty 1 | Ply 1 | Gardenia - Modern Job Reference (optional) | 178442716 |
|--------------------------|-------------|----------------------------|----------|----------|---|-----------|

Wheeler Lumber, Waverly, KS - 66871,

Run: 8.83 E Jul 24 2025 Print: 8.830 E Jul 24 2025 MiTek Industries, Inc. Thu Dec 11 11:24:58
ID:lnq71ZdOYZ_gaOhvcPaE6qyxAZY-fMOcYtGak22nm6scVy7t5NhU_wUPlizehzh89KyA2mL

Page: 1



Scale = 1:64.5

Plate Offsets (X, Y): [6:0-7-0,0-2-8], [9:Edge,0-7-11], [12:Edge,0-7-11]

| Loading | (psf) | Spacing | 2-0-0 | CSI | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP | |
|-------------|-------|-----------------|-----------------|----------|------|----------|-------|--------|------|--------|---------------|----------|
| TCLL (roof) | 25.0 | Plate Grip DOL | 1.15 | TC | 0.79 | Vert(LL) | -0.13 | 11-12 | >999 | 360 | MT20 | 197/144 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.51 | Vert(CT) | -0.27 | 11-12 | >865 | 240 | MT18HS | 197/144 |
| BCLL | 0.0* | Rep Stress Incr | YES | WB | 0.80 | Horz(CT) | 0.02 | 9 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2018/TPI2014 | Matrix-S | | Wind(LL) | 0.04 | 10-11 | >999 | 240 | Weight: 83 lb | FT = 10% |

LUMBER
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x3 SPF No.2 *Except* 4-10:2x4 SPF No.2,
12-2,9-7:2x4 SP 2400F 2.0E

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-9-12 oc purlins, except end verticals. Except: 6-0-0 oc bracing: 4-6
BOT CHORD Rigid ceiling directly applied or 8-5-2 oc bracing.

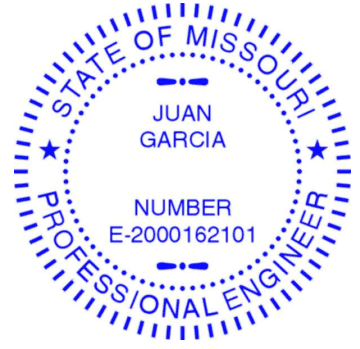
REACTIONS (lb/size) 9=973/0-3-8, 12=964/0-3-8
Max Horiz 12=300 (LC 8)
Max Uplift 9=-171 (LC 8), 12=-106 (LC 8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1315/89, 6-7=-1379/349,
2-12=-883/155, 7-9=-911/203
BOT CHORD 11-12=-470/609, 10-11=-249/1160,
9-10=-117/365
WEBS 3-11=0/300, 3-6=-1118/302, 2-11=0/499,
7-10=-208/855

- NOTES**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) All plates are MT20 plates unless otherwise indicated.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.

- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 106 lb uplift at joint 12 and 171 lb uplift at joint 9.
- 7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



December 11, 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)

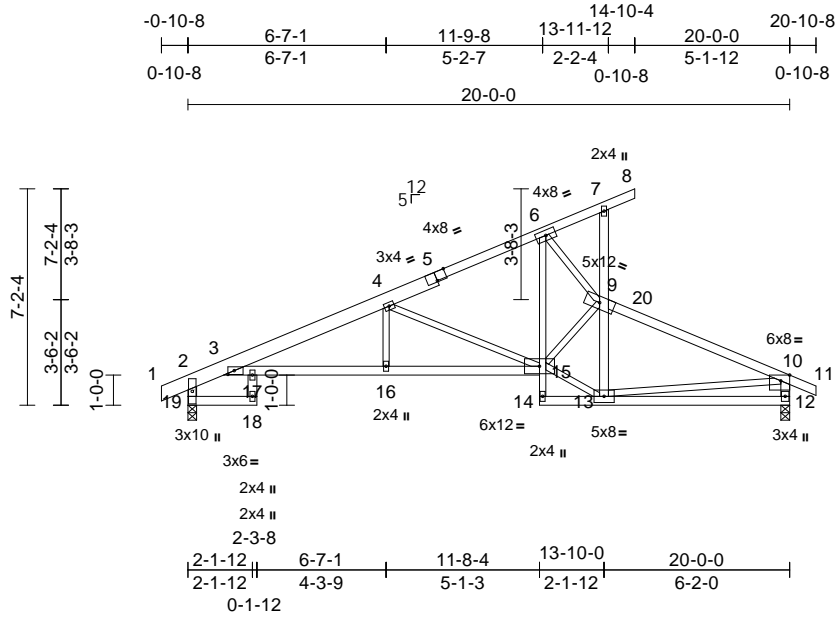
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| | | | | | | |
|--------------------------|-------------|----------------------------|----------|----------|---|-----------|
| Job Gardenia - Modern | Truss A3 | Truss Type Roof Special | Qty 2 | Ply 1 | Gardenia - Modern Job Reference (optional) | 178442717 |
|--------------------------|-------------|----------------------------|----------|----------|---|-----------|

Wheeler Lumber, Waverly, KS - 66871,

Run: 8.83 S Sep 3 2025 Print: 8.830 S Sep 3 2025 MiTek Industries, Inc. Thu Dec 11 10:58:21
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Page: 1



Scale = 1:76.6

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

| Loading | (psf) | Spacing | 2-0-0 | CSI | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP | |
|-------------|-------|-----------------|-----------------|----------|------|----------|-------|--------|------|--------|---------------|----------|
| TCLL (roof) | 25.0 | Plate Grip DOL | 1.15 | TC | 0.69 | Vert(LL) | -0.14 | 16-17 | >999 | 360 | MT20 | 197/144 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.82 | Vert(CT) | -0.27 | 16-17 | >884 | 240 | | |
| BCLL | 0.0* | Rep Stress Incr | YES | WB | 0.74 | Horz(CT) | 0.18 | 12 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2018/TPI2014 | Matrix-S | | Wind(LL) | 0.16 | 16-17 | >999 | 240 | Weight: 89 lb | FT = 10% |

LUMBER
TOP CHORD 2x4 SPF No.2 *Except* 1-5:2x6 SPF No.2
BOT CHORD 2x4 SPF No.2 *Except* 6-14:2x3 SPF No.2
WEBS 2x3 SPF No.2 *Except*
7-13,18-17,19-2,12-10:2x4 SPF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-6-8 oc purlins, except end verticals.
Except:
6-0-0 oc bracing: 7-9
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (size) 12=0-3-8, 19=0-3-8
Max Horiz 19=310 (LC 8)
Max Uplift 12=172 (LC 8), 19=105 (LC 8)
Max Grav 12=973 (LC 1), 19=964 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/27, 2-3=-344/0, 3-4=-1950/270,
4-6=-1115/106, 6-7=-102/37, 7-8=-27/0,
9-13=-596/217, 7-9=-131/72,
9-10=-1401/358, 10-11=0/27, 2-19=-969/159,
10-12=-910/203
BOT CHORD 18-19=0/0, 3-17=-507/1788,
16-17=-507/1788, 15-16=-507/1788,
14-15=-13/24, 6-15=-250/1276,
13-14=-29/37, 12-13=-111/357
WEBS 17-18=-30/52, 4-15=-933/308,
13-15=-252/1276, 9-15=-370/89,
10-13=-218/883, 4-16=0/272, 6-9=-1438/366

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=115mph (3-second gust)
Vasd=91mph; TC DL=6.0psf; BC DL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60

- 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 105 lb uplift at joint 19 and 172 lb uplift at joint 12.
 - This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- LOAD CASE(S)** Standard



December 11, 2025

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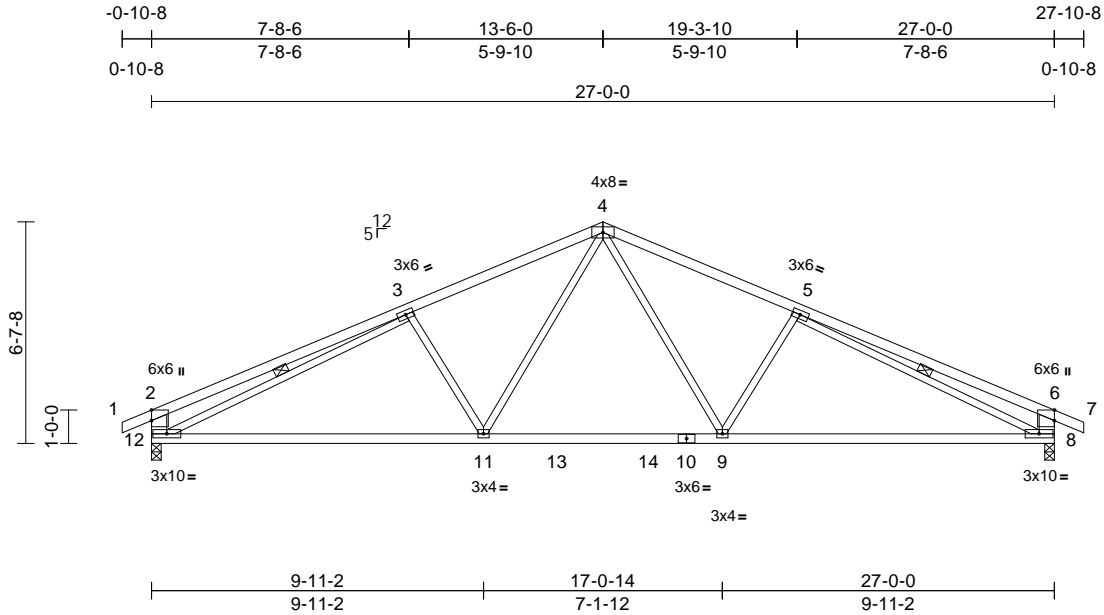
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| | | | | | | |
|-------------------|-------|------------|-----|-----|--------------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | Gardenia - Modern | I78442720 |
| Gardenia - Modern | B3 | Common | 14 | 1 | Job Reference (optional) | |

Wheeler Lumber, Waverly, KS - 66871,

Run: 8.83 S Sep 3 2025 Print: 8.830 S Sep 3 2025 MiTek Industries, Inc. Thu Dec 11 10:58:22
 ID:mok6z35s48KzAgx_3os_pTyxAe5-RfC?PsB70Hq3NSgPqnL8w3uITXbGKwRCDoi7J4zJC?f

Page: 1



Scale = 1:68.9
 Plate Offsets (X, Y): [2:0-3-13,Edge], [6:0-3-13,Edge]

| Loading | (psf) | Spacing | 2-0-0 | CSI | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP | |
|-------------|-------|-----------------|-----------------|----------|------|----------|-------|--------|------|--------|----------------|----------|
| TCLL (roof) | 25.0 | Plate Grip DOL | 1.15 | TC | 0.66 | Vert(LL) | -0.24 | 8-9 | >999 | 360 | MT20 | 197/144 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.91 | Vert(CT) | -0.49 | 8-9 | >645 | 240 | | |
| BCLL | 0.0* | Rep Stress Incr | YES | WB | 0.85 | Horz(CT) | 0.07 | 8 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2018/TPI2014 | Matrix-S | | Wind(LL) | 0.06 | 9-11 | >999 | 240 | Weight: 100 lb | FT = 10% |

LUMBER
 TOP CHORD 2x4 SPF No.2
 BOT CHORD 2x4 SPF No.2
 WEBS 2x3 SPF No.2 *Except* 12-2,8-6:2x6 SPF No.2

BRACING
 TOP CHORD Structural wood sheathing directly applied or 3-11-7 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 WEBS 1 Row at midpt 3-12, 5-8

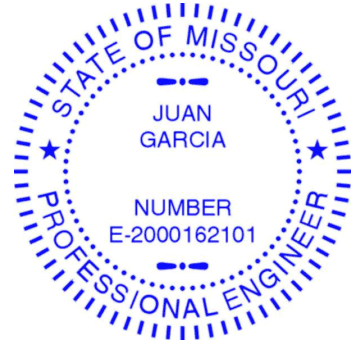
REACTIONS (size) 8=0-3-8, 12=0-3-8
 Max Horiz 12=79 (LC 12)
 Max Uplift 8=-177 (LC 9), 12=-177 (LC 8)
 Max Grav 8=1312 (LC 2), 12=1312 (LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/30, 2-3=-724/212, 3-4=-1838/260, 4-5=-1838/260, 5-6=-724/212, 6-7=0/30, 2-12=-587/208, 6-8=-587/207
 BOT CHORD 11-12=-239/1754, 9-11=-63/1330, 8-9=-160/1754
 WEBS 4-9=-113/639, 5-9=-371/235, 4-11=-113/639, 3-11=-371/235, 3-12=-1317/95, 5-8=-1317/95

- NOTES**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCCL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 177 lb uplift at joint 12 and 177 lb uplift at joint 8.
- 6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



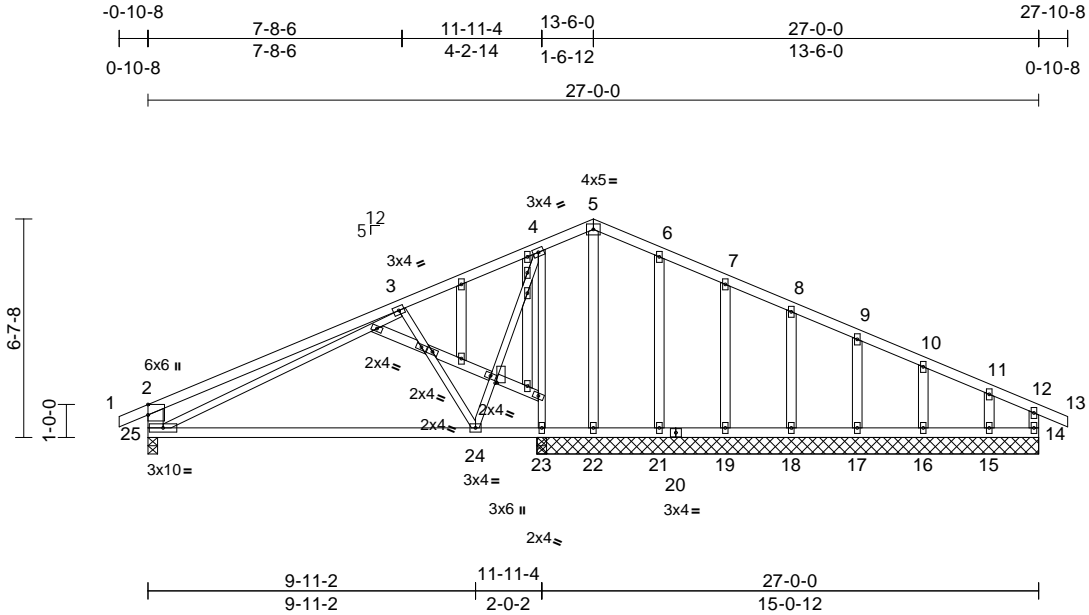
December 11, 2025

| | | | | | | |
|--------------------------|-------------|---------------------------------------|----------|----------|---|-----------|
| Job Gardenia - Modern | Truss B4 | Truss Type Common Structural Gable | Qty 1 | Ply 1 | Gardenia - Modern Job Reference (optional) | 178442721 |
|--------------------------|-------------|---------------------------------------|----------|----------|---|-----------|

Wheeler Lumber, Waverly, KS - 66871,

Run: 8.83 S Sep 3 2025 Print: 8.830 S Sep 3 2025 MiTek Industries, Inc. Thu Dec 11 10:58:22
ID:5sx16bFiOXdsvsz?wTXUVUoyxAbK-RfC?PsB70Hq3NSgPqnl8w3uITxbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:69.8

Plate Offsets (X, Y): [2:0-3-13,Edge], [28:0-0-2,0-0-9]

| Loading | (psf) | Spacing | 2-0-0 | CSI | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP | |
|-------------|-------|-----------------|-----------------|----------|------|----------|-------|--------|------|--------|----------------|----------|
| TCLL (roof) | 25.0 | Plate Grip DOL | 1.15 | TC | 0.58 | Vert(LL) | -0.20 | 24-25 | >692 | 360 | MT20 | 197/144 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.64 | Vert(CT) | -0.41 | 24-25 | >341 | 240 | | |
| BCLL | 0.0* | Rep Stress Incr | YES | WB | 0.51 | Horz(CT) | 0.01 | 23 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2018/TPI2014 | Matrix-S | | Wind(LL) | 0.02 | 24-25 | >999 | 240 | Weight: 130 lb | FT = 10% |

LUMBER
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x3 SPF No.2 *Except* 25-2:2x6 SPF No.2,
14-12:2x4 SP 2400F 2.0E,
26-27,27-28,28-29:2x4 SPF No.2
OTHERS 2x4 SPF No.2

BOT CHORD 24-25=-103/388, 23-24=-36/57,
22-23=-36/57, 21-22=-36/57, 19-21=-36/57,
18-19=-36/57, 17-18=-36/57, 16-17=-36/57,
15-16=-36/57, 14-15=-36/57
WEBS 3-25=-105/100, 3-24=-428/227,
4-24=-60/604, 4-23=-649/130, 5-22=-156/0,
6-21=-148/72, 7-19=-139/73, 8-18=-141/71,
9-17=-139/72, 10-16=-146/71, 11-15=-116/81

LOAD CASE(S) Standard

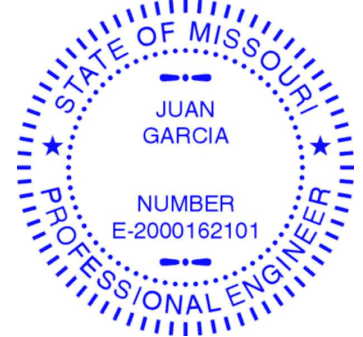
BRACING
TOP CHORD Structural wood sheathing directly applied or
6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc
bracing, Except:
10-0-0 oc bracing: 24-25.

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCCL=6.0psf; BCCL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; 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) All plates are 2x4 (||) MT20 unless otherwise indicated.
- 5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 6) Gable studs spaced at 2-0-0 oc.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 110 lb uplift at joint 25, 10 lb uplift at joint 14, 198 lb uplift at joint 23, 52 lb uplift at joint 21, 48 lb uplift at joint 19, 47 lb uplift at joint 18, 49 lb uplift at joint 17, 43 lb uplift at joint 16 and 77 lb uplift at joint 15.
- 10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

REACTIONS (size) 14=15-2-8, 15=15-2-8, 16=15-2-8,
17=15-2-8, 18=15-2-8, 19=15-2-8,
21=15-2-8, 22=15-2-8, 23=15-2-8,
25=0-3-8
Max Horiz 25=-79 (LC 9)
Max Uplift 14=-10 (LC 5), 15=-77 (LC 9),
16=-43 (LC 9), 17=-49 (LC 9),
18=-47 (LC 9), 19=-48 (LC 9),
21=-52 (LC 9), 23=-198 (LC 8),
25=-110 (LC 8)
Max Grav 14=127 (LC 22), 15=158 (LC 1),
16=187 (LC 22), 17=179 (LC 1),
18=180 (LC 1), 19=180 (LC 22),
21=184 (LC 1), 22=208 (LC 18),
23=600 (LC 21), 25=590 (LC 21)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/30, 2-3=-598/219, 3-4=-261/141,
4-5=-13/183, 5-6=-13/175, 6-7=-10/138,
7-8=-8/101, 8-9=-8/77, 9-10=-9/65,
10-11=-19/67, 11-12=-55/58, 12-13=0/27,
2-25=-536/213, 12-14=-116/25



December 11, 2025

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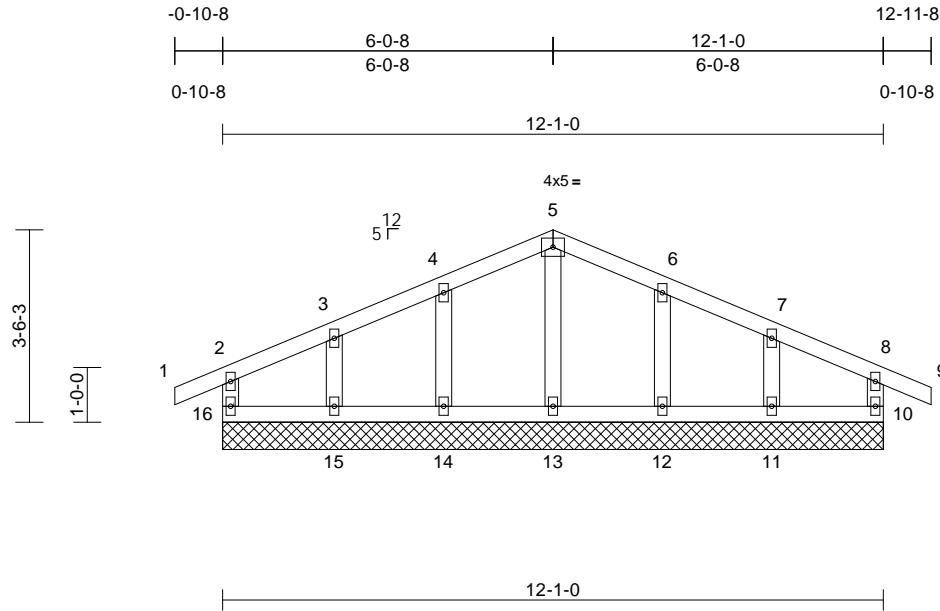
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Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

| | | | | | | |
|--------------------------|-------------|--------------------------------------|----------|----------|---|-----------|
| Job Gardenia - Modern | Truss C1 | Truss Type Common Supported Gable | Qty 1 | Ply 1 | Gardenia - Modern Job Reference (optional) | 178442722 |
|--------------------------|-------------|--------------------------------------|----------|----------|---|-----------|

Wheeler Lumber, Waverly, KS - 66871,

Run: 8.83 S Sep 3 2025 Print: 8.830 S Sep 3 2025 MiTek Industries, Inc. Thu Dec 11 10:58:22
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Page: 1



Scale = 1:42.1

| Loading | (psf) | Spacing | 2-0-0 | CSI | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP | |
|-------------|-------|-----------------|-----------------|----------|------|----------|-------|--------|-----|--------|---------------|----------|
| TCLL (roof) | 25.0 | Plate Grip DOL | 1.15 | TC | 0.07 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 197/144 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.03 | Vert(CT) | n/a | - | n/a | 999 | | |
| BCLL | 0.0* | Rep Stress Incr | YES | WB | 0.03 | Horz(CT) | 0.00 | 10 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2018/TPI2014 | Matrix-R | | | | | | | Weight: 43 lb | FT = 10% |

LUMBER

| | |
|-----------|--------------|
| TOP CHORD | 2x4 SPF No.2 |
| BOT CHORD | 2x4 SPF No.2 |
| WEBS | 2x4 SPF No.2 |
| OTHERS | 2x4 SPF No.2 |

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 (size) | 10=12-1-0, 11=12-1-0, 12=12-1-0, 13=12-1-0, 14=12-1-0, 15=12-1-0, 16=12-1-0 |
| Max Horiz | 16=25 (LC 8) |
| Max Uplift | 10=45 (LC 5), 11=-56 (LC 9), 12=-50 (LC 9), 14=-49 (LC 8), 15=-58 (LC 8), 16=-46 (LC 4) |
| Max Grav | 10=160 (LC 22), 11=169 (LC 1), 12=194 (LC 22), 13=170 (LC 1), 14=194 (LC 21), 15=169 (LC 1), 16=160 (LC 21) |

FORCES (lb) - Maximum Compression/Maximum Tension

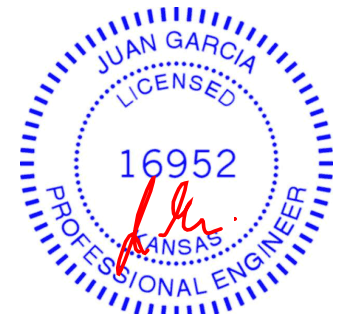
| | |
|-----------|--|
| TOP CHORD | 2-16=-143/56, 1-2=0/27, 2-3=-31/45, 3-4=-23/62, 4-5=-28/83, 5-6=-28/80, 6-7=-23/59, 7-8=-29/43, 8-9=0/27, 8-10=-143/55 |
| BOT CHORD | 15-16=-12/22, 14-15=-12/22, 13-14=-12/22, 12-13=-12/22, 11-12=-12/22, 10-11=-12/22 |
| WEBS | 5-13=-130/0, 4-14=-154/75, 3-15=-127/77, 6-12=-154/75, 7-11=-127/76 |

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TC DL=6.0psf; BC DL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; end vertical left and right exposed; 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.
- 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 46 lb uplift at joint 16, 45 lb uplift at joint 10, 49 lb uplift at joint 14, 58 lb uplift at joint 15, 50 lb uplift at joint 12 and 56 lb uplift at joint 11.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



December 11, 2025

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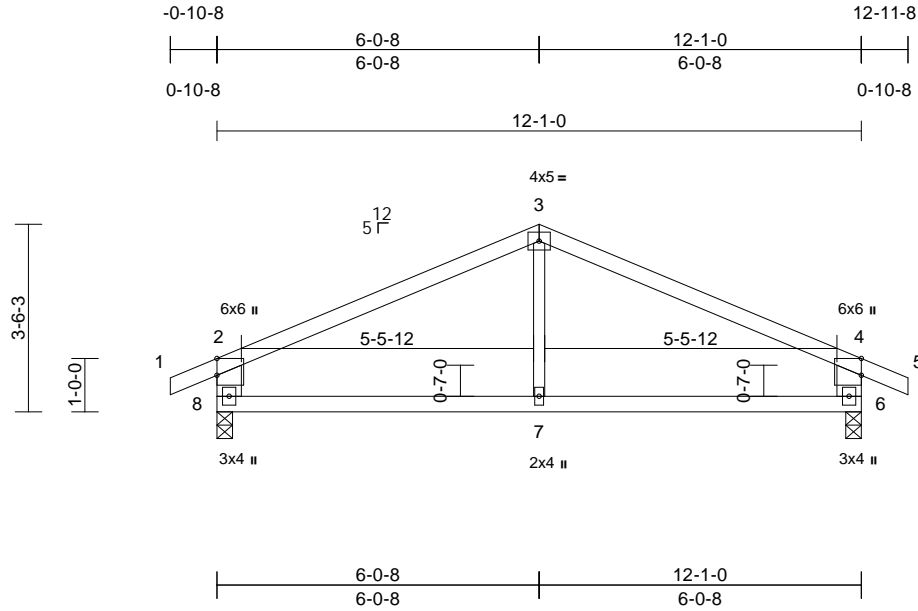
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Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

| | | | | | | |
|--------------------------|-------------|----------------------|----------|----------|---|-----------|
| Job Gardenia - Modern | Truss C2 | Truss Type Common | Qty 3 | Ply 1 | Gardenia - Modern Job Reference (optional) | 178442723 |
|--------------------------|-------------|----------------------|----------|----------|---|-----------|

Wheeler Lumber, Waverly, KS - 66871,

Run: 8.83 S Sep 3 2025 Print: 8.830 S Sep 3 2025 MiTek Industries, Inc. Thu Dec 11 10:58:23
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Page: 1



Scale = 1:43.2

Plate Offsets (X, Y): [2:0-3-13,Edge], [4:0-3-13,Edge]

| Loading | (psf) | Spacing | 2-0-0 | CSI | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP | |
|-------------|-------|-----------------|-----------------|----------|------|----------|-------|--------|------|--------|---------------|----------|
| TCLL (roof) | 25.0 | Plate Grip DOL | 1.15 | TC | 0.58 | Vert(LL) | -0.03 | 6-7 | >999 | 360 | MT20 | 197/144 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.28 | Vert(CT) | -0.08 | 7-8 | >999 | 240 | | |
| BCLL | 0.0* | Rep Stress Incr | YES | WB | 0.07 | Horz(CT) | 0.01 | 6 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2018/TPI2014 | Matrix-R | | Wind(LL) | 0.01 | 7-8 | >999 | 240 | Weight: 36 lb | FT = 10% |

LUMBER

TOP CHORD 2x4 SPF No.2
 BOT CHORD 2x4 SPF No.2
 WEBS 2x6 SPF No.2 *Except* 7-3:2x3 SPF No.2

6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

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) 6=0-3-8, 8=0-3-8

Max Horiz 8=24 (LC 8)
 Max Uplift 6=91 (LC 9), 8=91 (LC 8)
 Max Grav 6=600 (LC 1), 8=600 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/30, 2-3=-617/88, 3-4=-617/88,
 4-5=0/30, 2-8=-527/131, 4-6=-527/132
 BOT CHORD 7-8=-18/481, 6-7=-18/481
 WEBS 3-7=0/221

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TC DL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 91 lb uplift at joint 8 and 91 lb uplift at joint 6.



December 11, 2025

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

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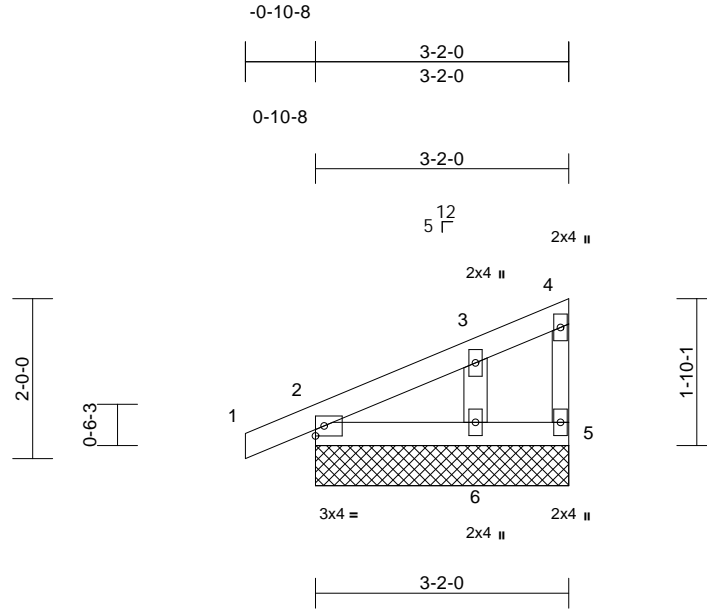
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| | | | | | | |
|--------------------------|-------------|-------------------------|----------|----------|---|-----------|
| Job Gardenia - Modern | Truss D1 | Truss Type Monopitch | Qty 2 | Ply 1 | Gardenia - Modern Job Reference (optional) | 178442724 |
|--------------------------|-------------|-------------------------|----------|----------|---|-----------|

Wheeler Lumber, Waverly, KS - 66871,

Run: 8.83 S Sep 3 2025 Print: 8.830 S Sep 3 2025 MiTek Industries, Inc. Thu Dec 11 10:58:23
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Page: 1



Scale = 1:28.8

| Loading | (psf) | Spacing | 2-0-0 | CSI | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP | |
|-------------|-------|-----------------|-----------------|----------|------|----------|-------|--------|-----|--------|---------------|----------|
| TCLL (roof) | 25.0 | Plate Grip DOL | 1.15 | TC | 0.05 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 197/144 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.03 | Vert(CT) | n/a | - | n/a | 999 | | |
| BCLL | 0.0* | Rep Stress Incr | YES | WB | 0.02 | Horz(CT) | 0.00 | 5 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2018/TPI2014 | Matrix-P | | | | | | | Weight: 11 lb | FT = 10% |

| LUMBER | |
|-----------|--------------|
| TOP CHORD | 2x4 SPF No.2 |
| BOT CHORD | 2x4 SPF No.2 |
| WEBS | 2x3 SPF No.2 |
| OTHERS | 2x4 SPF No.2 |

| BRACING | |
|-----------|---|
| TOP CHORD | Structural wood sheathing directly applied or 3-2-0 oc purlins, except end verticals. |
| BOT CHORD | Rigid ceiling directly applied or 10-0-0 oc bracing. |

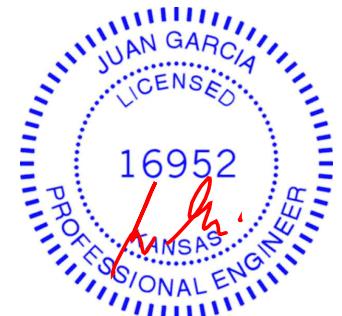
| REACTIONS | |
|------------|---|
| (size) | 2=3-2-0, 5=3-2-0, 6=3-2-0 |
| Max Horiz | 2=68 (LC 7) |
| Max Uplift | 2=-32 (LC 4), 5=-7 (LC 5), 6=-46 (LC 8) |
| Max Grav | 2=153 (LC 1), 5=25 (LC 1), 6=159 (LC 1) |

| FORCES | |
|--|---|
| (lb) - Maximum Compression/Maximum Tension | |
| TOP CHORD | 1-2=0/10, 2-3=-58/30, 3-4=-35/14, 4-5=-21/9 |
| BOT CHORD | 2-6=-21/16, 5-6=-21/16 |
| WEBS | 3-6=-118/71 |

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; end vertical left and right exposed; 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.
 - 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 7 lb uplift at joint 5, 32 lb uplift at joint 2 and 46 lb uplift at joint 6.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



December 11, 2025

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

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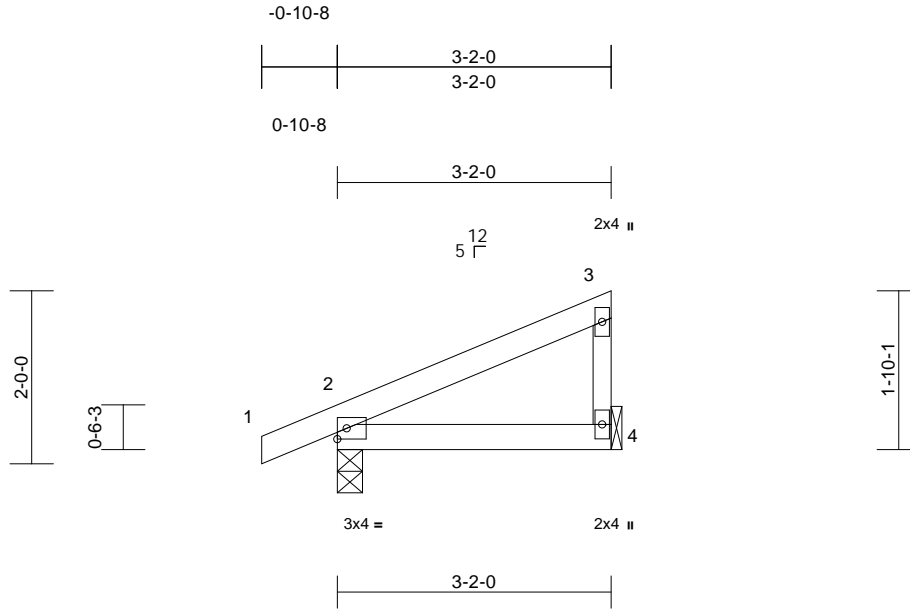
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| | | | | | | |
|-------------------|-------|------------|-----|-----|--------------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | Gardenia - Modern | 178442725 |
| Gardenia - Modern | D2 | Monopitch | 9 | 1 | Job Reference (optional) | |

Wheeler Lumber, Waverly, KS - 66871,

Run: 8.83 S Sep 3 2025 Print: 8.830 S Sep 3 2025 MiTek Industries, Inc. Thu Dec 11 10:58:23
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Page: 1



Scale = 1:26.6

| Loading | (psf) | Spacing | 2-0-0 | CSI | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP | |
|-------------|-------|-----------------|-----------------|----------|------|----------|-------|--------|------|--------|---------------|----------|
| TCLL (roof) | 25.0 | Plate Grip DOL | 1.15 | TC | 0.12 | Vert(LL) | 0.00 | 2-4 | >999 | 360 | MT20 | 197/144 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.08 | Vert(CT) | -0.01 | 2-4 | >999 | 240 | | |
| BCLL | 0.0* | Rep Stress Incr | YES | WB | 0.00 | Horz(CT) | 0.00 | 4 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2018/TPI2014 | Matrix-P | | | | | | | Weight: 10 lb | FT = 10% |

LUMBER

TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x3 SPF No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 2=0-3-8, 4= Mechanical
Max Horiz 2=68 (LC 5)
Max Uplift 2=-44 (LC 8), 4=-28 (LC 8)
Max Grav 2=215 (LC 1), 4=119 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/10, 2-3=-69/31, 3-4=-90/46
BOT CHORD 2-4=-21/16

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 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 3-06-00 tall by 2-00-00 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 28 lb uplift at joint 4 and 44 lb uplift at joint 2.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



December 11, 2025

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

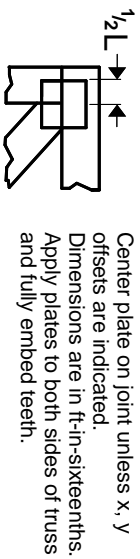
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall 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)

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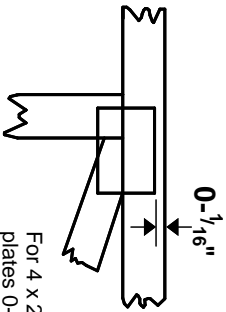
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Symbols

PLATE LOCATION AND ORIENTATION



Center plate on joint unless x, y offsets are indicated. Dimensions are in ft-in-sixteenths. Apply plates to both sides of truss and fully embed teeth.



For 4 x 2 orientation, locate plates 0- 1/16" from outside edge of truss.



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

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

PLATE SIZE

4 X 4

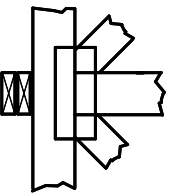
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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

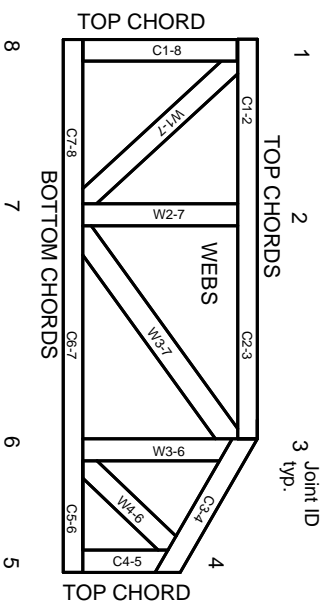


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number/letter where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TFP1: 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



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

Product Code Approvals

ICC-ES Reports:

ESR-1-1988, ESR-2-362, ESR-2-685, ESR-3-282
ESR-4-722, ESL-1-388

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/TFP 1 section 6.3. These truss designs rely on Lumber values established by others.

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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/TFP 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TFP 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/TFP 1 Quality Criteria.
21. The design does not take into account any dynamic or other loads other than those expressly stated.

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