

RE: 2097-A - Chittum & Godden Residence

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

Site Information:

Customer Info: Parrish Builder Group Project Name: Chittum & Godden Residence
Lot/Block: . Subdivision: .
Address: ., .
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

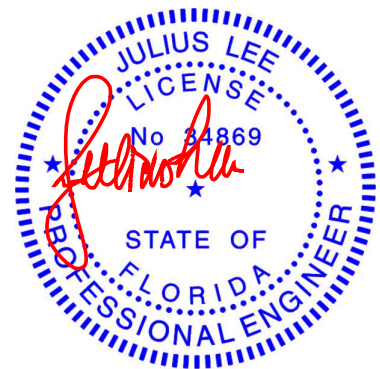
This package includes 31 individual, Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	T39565892	G1	12/17/25	23	T39565914	T14	12/17/25
2	T39565893	G2	12/17/25	24	T39565915	V1	12/17/25
3	T39565894	G3	12/17/25	25	T39565916	V2	12/17/25
4	T39565895	GR2	12/17/25	26	T39565917	V3	12/17/25
5	T39565896	M1	12/17/25	27	T39565918	V4	12/17/25
6	T39565897	M2	12/17/25	28	T39565919	V5	12/17/25
7	T39565898	M3	12/17/25	29	T39565920	V6	12/17/25
8	T39565899	PB1	12/17/25	30	T39565921	V7	12/17/25
9	T39565900	PB2	12/17/25	31	T39565922	V8	12/17/25
10	T39565901	SG1	12/17/25				
11	T39565902	T1	12/17/25				
12	T39565903	T2	12/17/25				
13	T39565904	T3	12/17/25				
14	T39565905	T4	12/17/25				
15	T39565906	T5	12/17/25				
16	T39565907	T6	12/17/25				
17	T39565908	T7	12/17/25				
18	T39565909	T8	12/17/25				
19	T39565910	T10	12/17/25				
20	T39565911	T11	12/17/25				
21	T39565912	T12	12/17/25				
22	T39565913	T13	12/17/25				

The truss drawing(s) referenced above have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by 19 Lumber, Inc..

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

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



Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

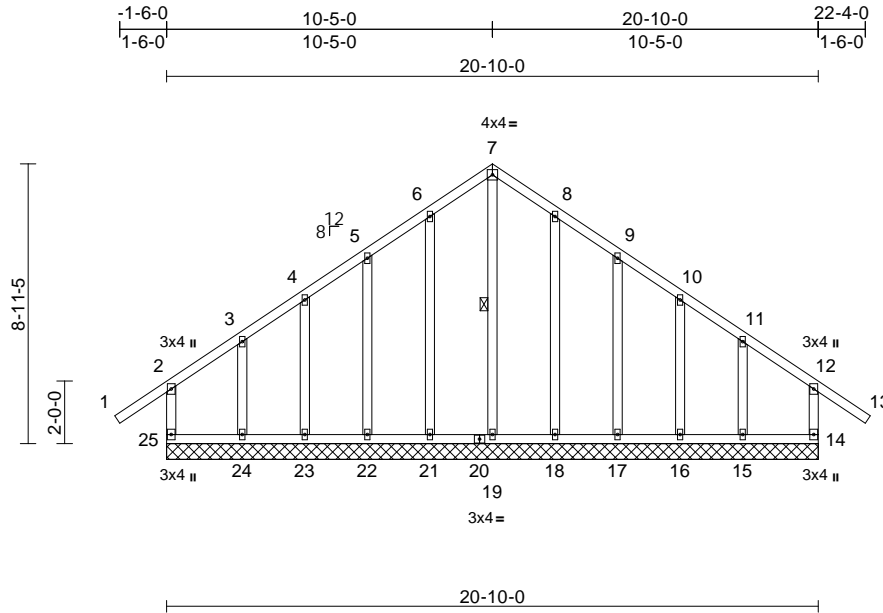
December 18, 2025

Job 2097-A	Truss G1	Truss Type Common Supported Gable	Qty 1	Ply 1	Chittum & Godden Residence Job Reference (optional)	T39565892
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19 Lumber, Inc., Old Town, FL - 32680,

Run: 9.13 S 8.83 Sep 3 2025 Print: 8.830 S Sep 3 2025 MiTek Industries, Inc. Wed Dec 17 08:19:05
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Page: 1



Scale = 1:73.7

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.20	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.18	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.00	14	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MR							Weight: 151 lb	FT = 20%

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

BOT CHORD	
24-25	=-137/127, 23-24=-137/127,
22-23	=-137/127, 21-22=-137/127,
19-21	=-137/127, 18-19=-137/127,
17-18	=-137/127, 16-17=-137/127,
15-16	=-137/127, 14-15=-137/127
WEBS	
7-19	=-294/87, 6-21=-138/85, 5-22=-131/99,
4-23	=-127/101, 3-24=-171/125,
8-18	=-138/85, 9-17=-131/99,
10-16	=-127/101, 11-15=-168/124

11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 146 lb uplift at joint 25, 137 lb uplift at joint 14, 64 lb uplift at joint 21, 80 lb uplift at joint 22, 52 lb uplift at joint 23, 163 lb uplift at joint 24, 64 lb uplift at joint 18, 80 lb uplift at joint 17, 52 lb uplift at joint 16 and 155 lb uplift at joint 15.

LOAD CASE(S) Standard

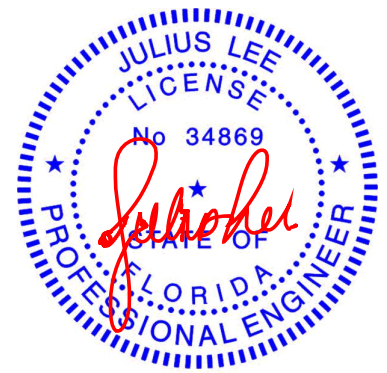
BRACING	
TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt

REACTIONS	(size)
Max Horiz	25=-262 (LC 10)
Max Uplift	14=-137 (LC 9), 15=-155 (LC 8), 16=-52 (LC 13), 17=-80 (LC 13), 18=-64 (LC 13), 21=-64 (LC 12), 22=-80 (LC 12), 23=-52 (LC 12), 24=-163 (LC 9), 25=-146 (LC 8)
Max Grav	14=255 (LC 19), 15=267 (LC 20), 16=165 (LC 26), 17=176 (LC 20), 18=177 (LC 20), 19=240 (LC 13), 21=177 (LC 19), 22=176 (LC 19), 23=165 (LC 25), 24=273 (LC 19), 25=263 (LC 20)

FORCES	(lb) - Maximum Compression/Maximum Tension
TOP CHORD	2-25=-205/190, 1-2=0/57, 2-3=-143/153, 3-4=-81/147, 4-5=-98/210, 5-6=-132/275, 6-7=-164/331, 7-8=-164/331, 8-9=-132/275, 9-10=-97/209, 10-11=-74/149, 11-12=-134/145, 12-13=0/57, 12-14=-199/187

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=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 zone; cantilever left and right exposed; 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.



Julius Lee PE No. 34869
 MiTek Inc. DBA MiTek USA FL Cert 6634
 16023 Swingley Ridge Rd. Chesterfield, MO 63017
 Date:

December 18, 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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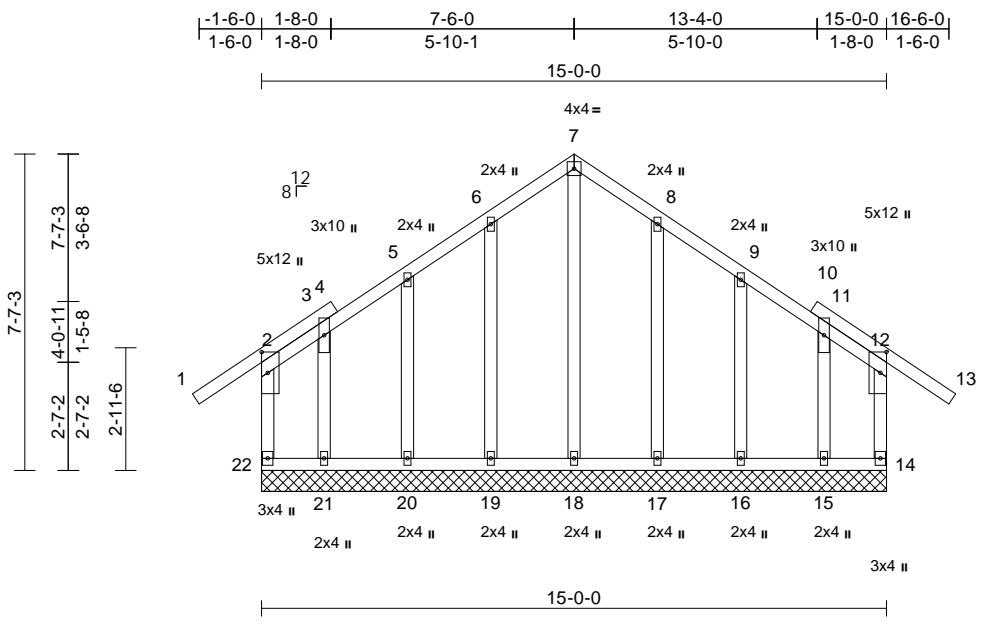
16023 Swingley Ridge Rd.
 Chesterfield, MO 63017
 314.434.1200 / MiTek-US.com

Job 2097-A	Truss G3	Truss Type Common Supported Gable	Qty 1	Ply 1	Chittum & Godden Residence Job Reference (optional)	T39565894
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19 Lumber, Inc., Old Town, FL - 32680,

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Page: 1



Scale = 1:55.3

Plate Offsets (X, Y): [2:0-6-0,0-1-12], [12:0-6-0,0-1-12]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.26	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.19	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.24	Horz(CT)	0.00	14	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MR							Weight: 117 lb	FT = 20%

LUMBER
 TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2
 WEBS 2x4 SP No.2
 OTHERS 2x4 SP 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)
 14=15-0-0, 15=15-0-0, 16=15-0-0, 17=15-0-0, 18=15-0-0, 19=15-0-0, 20=15-0-0, 21=15-0-0, 22=15-0-0
 Max Horiz 22=233 (LC 11)
 Max Uplift 14=-207 (LC 9), 15=-202 (LC 8), 16=-67 (LC 13), 17=-71 (LC 13), 19=-71 (LC 12), 20=-67 (LC 12), 21=-207 (LC 9), 22=-213 (LC 8)
 Max Grav 14=295 (LC 19), 15=291 (LC 11), 16=157 (LC 26), 17=183 (LC 20), 18=191 (LC 22), 19=183 (LC 19), 20=157 (LC 25), 21=296 (LC 10), 22=300 (LC 20)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 2-22=-219/262, 1-2=0/51, 2-3=-133/147, 3-5=-66/157, 5-6=-92/239, 6-7=-130/312, 7-8=-130/312, 8-9=-92/239, 9-11=-63/158, 11-12=-129/144, 12-13=0/51, 12-14=-216/260
 BOT CHORD 21-22=-127/111, 20-21=-127/111, 19-20=-127/111, 18-19=-127/111, 17-18=-127/111, 16-17=-127/111, 15-16=-127/111, 14-15=-127/111
 WEBS 7-18=-258/47, 6-19=-139/112, 5-20=-124/128, 3-21=-142/119, 8-17=-139/112, 9-16=-124/128, 11-15=-140/116

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=5.0psf; BC DL=5.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 zone; cantilever left and right exposed ; 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) 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 213 lb uplift at joint 22, 207 lb uplift at joint 14, 71 lb uplift at joint 19, 67 lb uplift at joint 20, 207 lb uplift at joint 21, 71 lb uplift at joint 17, 67 lb uplift at joint 16 and 202 lb uplift at joint 15.

LOAD CASE(S) Standard



Julius Lee PE No. 34869
 MiTek Inc. DBA MiTek USA FL Cert 6634
 16023 Swingley Ridge Rd. Chesterfield, MO 63017
 Date:

December 18,2025

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 the 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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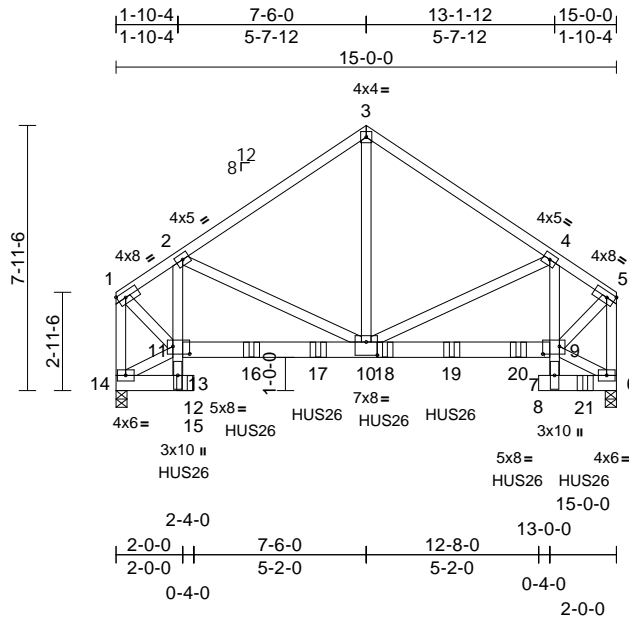
Job 2097-A	Truss GR2	Truss Type Roof Special Girder	Qty 1	Ply 2	Chittum & Godden Residence Job Reference (optional)	T39565895
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19 Lumber, Inc., Old Town, FL - 32680,

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Page: 1

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Scale = 1:69.1

Plate Offsets (X, Y): [4:0-0-0,0-0-0], [9:0-6-0,0-2-12], [10:0-4-0,0-4-12], [11:0-6-0,0-2-12]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.33	Vert(LL)	-0.06	9-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.49	Vert(CT)	-0.12	9-10	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.45	Horz(CT)	0.05	6	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS								
											Weight: 238 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2
 BOT CHORD 2x6 SP No.2 *Except* 13-2,4-7:2x4 SP No.2,
 11-9:2x6 SP DSS
 WEBS 2x4 SP 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. Except:
 10-0-0 oc bracing: 11-13, 7-9

REACTIONS

(size) 6=0-4-0, 14=0-4-0
 Max Horiz 14=217 (LC 7)
 Max Uplift 6=-695 (LC 9), 14=-589 (LC 8)
 Max Grav 6=4940 (LC 1), 14=4278 (LC 1)

FORCES

(lb) - Maximum Compression/Maximum
 Tension
 TOP CHORD 1-2=-3463/485, 2-3=-3744/571,
 3-4=-3744/570, 4-5=-3301/462,
 1-14=-4672/649, 5-6=-4439/619
 BOT CHORD 13-14=-330/67, 12-13=0/0, 11-13=-190/1387,
 2-11=-390/125, 10-11=-564/2976,
 9-10=-448/2863, 7-9=-72/526, 4-9=-528/143,
 7-8=0/0, 6-7=-260/33
 WEBS 2-10=-136/218, 3-10=-494/3721,
 4-10=-109/273, 6-9=-70/341, 5-9=-549/3732,
 11-14=-232/445, 1-11=-578/3953

NOTES

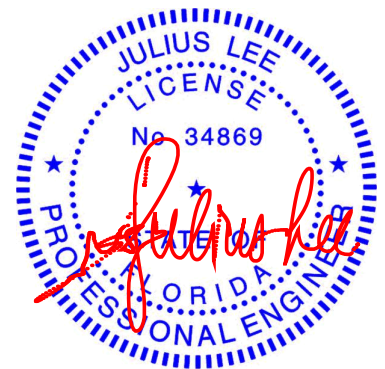
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
 Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
 Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-4-0 oc, 2x4 - 1 row at 0-9-0 oc.
 Web connected as follows: 2x4 - 1 row at 0-9-0 oc.

- 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=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone; cantilever left and right exposed; 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 3-06-00 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 695 lb uplift at joint 6 and 589 lb uplift at joint 14.
- Use MiTek HUS26 (With 14-16d nails into Girder & 6-16d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 2-0-12 from the left end to 14-0-12 to connect truss(es) to front face of bottom chord.
- Fill all nail holes where hanger is in contact with lumber.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1139 lb down and 161 lb up at 2-4-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (lb/ft)

Vert: 1-3=-60, 3-5=-60, 13-14=-20, 12-13=-20,
 9-11=-20, 7-8=-20, 6-7=-20
 Concentrated Loads (lb)
 Vert: 12=-1139 (F), 16=-1147 (F), 17=-1147 (F),
 18=-1147 (F), 19=-1150 (F), 20=-1150 (F), 21=-1144 (F)



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 Date:

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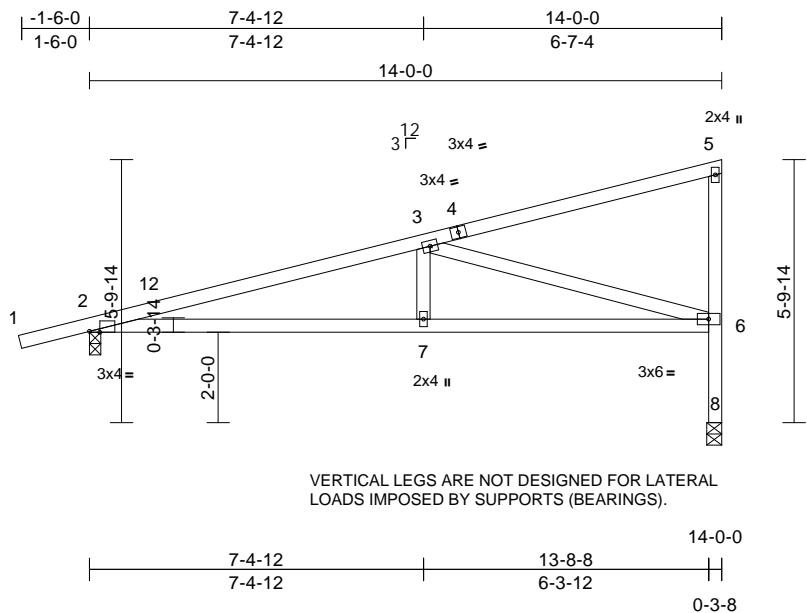
16023 Swingley Ridge Rd.
 Chesterfield, MO 63017
 314.434.1200 / MiTek-US.com

Job 2097-A	Truss M1	Truss Type Monopitch	Qty 12	Ply 1	Chittum & Godden Residence Job Reference (optional)	T39565896
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19 Lumber, Inc., Old Town, FL - 32680,

Run: 9.13 S 8.83 Sep 3 2025 Print: 8.830 S Sep 3 2025 MiTek Industries, Inc. Wed Dec 17 08:19:08
 ID:2JCUKTbB_x3pbJxtOZ7lrLyHbAJ-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWCrCdoi7J4zJC?f

Page: 1



Scale = 1:51
 Plate Offsets (X, Y): [2:0-2-12,Edge]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.54	Vert(LL)	0.09	7-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.61	Vert(CT)	-0.20	7-11	>815	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.95	Horz(CT)	0.06	8	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 64 lb	FT = 20%

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

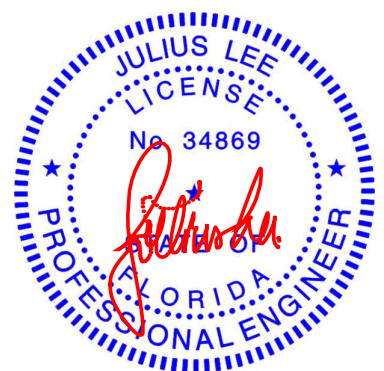
BRACING
 TOP CHORD Structural wood sheathing directly applied or 4-6-4 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 8-9-13 oc bracing.

REACTIONS (size) 2=0-3-0, 8=0-4-0
 Max Horiz 2=207 (LC 11)
 Max Uplift 2=-185 (LC 8), 8=-139 (LC 12)
 Max Grav 2=651 (LC 1), 8=549 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/22, 2-3=-1273/270, 3-5=-100/34, 6-8=-549/155, 5-6=-155/91
 BOT CHORD 2-7=-432/1206, 6-7=-432/1206
 WEBS 3-7=0/311, 3-6=-1225/332

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-6-7 to 1-5-9, Zone1 1-5-9 to 13-10-4 zone; cantilever left and right exposed; 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - Bearing at joint(s) 8 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 capable of withstanding 185 lb uplift at joint 2 and 139 lb uplift at joint 8.
- LOAD CASE(S)** Standard



Julius Lee PE No. 34869
 MiTek Inc. DBA MiTek USA FL Cert 6634
 16023 Swingley Ridge Rd. Chesterfield, MO 63017
 Date:

December 18, 2025

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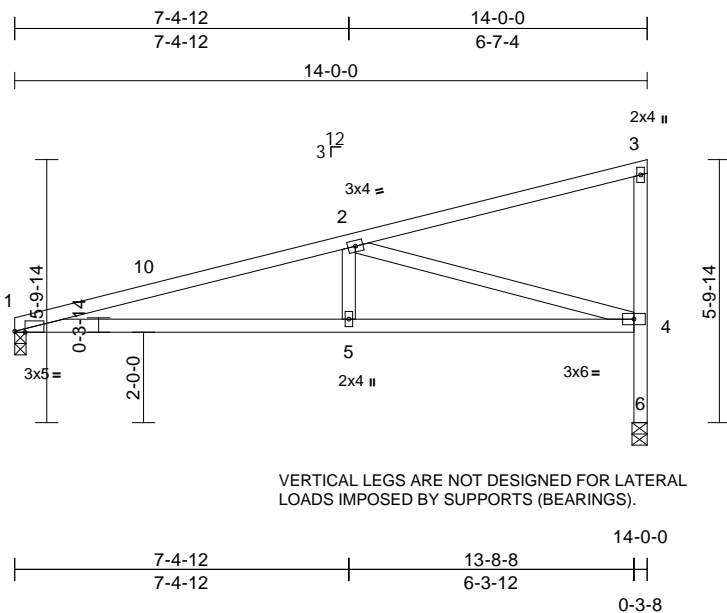


Job 2097-A	Truss M2	Truss Type Monopitch	Qty 1	Ply 1	Chittum & Godden Residence Job Reference (optional) T39565897
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19 Lumber, Inc., Old Town, FL - 32680,

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Page: 1



Scale = 1:51
 Plate Offsets (X, Y): [1:0-2-12,Edge]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP		
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.57	Vert(LL)	0.10	5-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.67	Vert(CT)	-0.22	5-9	>740	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.98	Horz(CT)	0.06	6	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 62 lb	FT = 20%

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

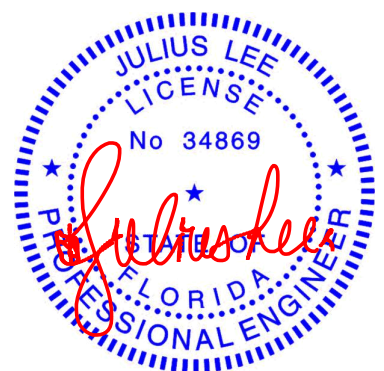
BRACING
 TOP CHORD Structural wood sheathing directly applied or 4-4-13 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 8-7-12 oc bracing.

REACTIONS (size) 1=0-3-0, 6=0-4-0
 Max Horiz 1=199 (LC 11)
 Max Uplift 1=118 (LC 8), 6=141 (LC 12)
 Max Grav 1=554 (LC 1), 6=554 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-1296/343, 2-3=-100/34, 4-6=-554/157, 3-4=-153/91
 BOT CHORD 1-5=-443/1233, 4-5=-443/1233
 WEBS 2-5=0/313, 2-4=-1254/394

- 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) Bearing at joint(s) 6 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) 1.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 118 lb uplift at joint 1 and 141 lb uplift at joint 6.
- LOAD CASE(S)** Standard

- 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=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 0-0-0 to 3-0-0, Zone1 3-0-0 to 13-10-4 zone; cantilever left and right exposed; 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.



Julius Lee PE No. 34869
 MiTek Inc. DBA MiTek USA FL Cert 6634
 16023 Swingley Ridge Rd. Chesterfield, MO 63017
 Date:

December 18, 2025

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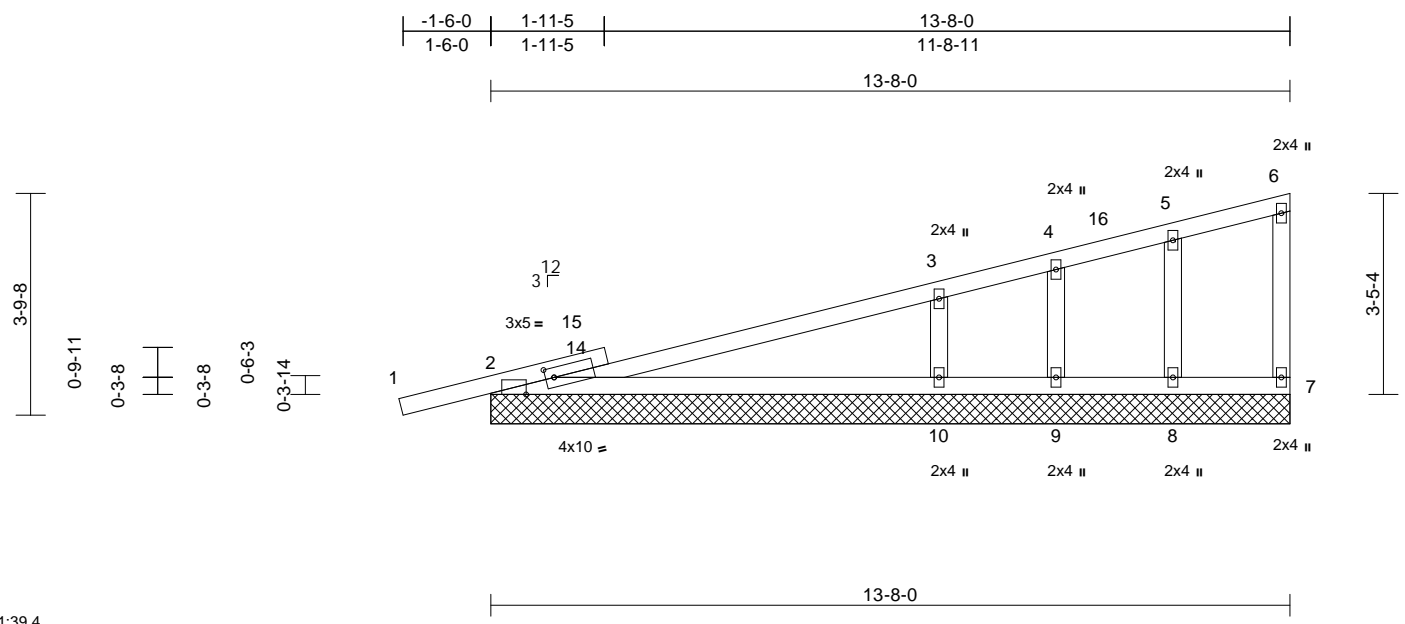
Job 2097-A	Truss M3	Truss Type Monopitch Supported Gable	Qty 1	Ply 1	Chittum & Godden Residence Job Reference (optional)	T39565898
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19 Lumber, Inc., Old Town, FL - 32680,

Run: 9.13 S 8.83 Sep 3 2025 Print: 8.830 S Sep 3 2025 MiTek Industries, Inc. Wed Dec 17 08:19:08

Page: 1

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Scale = 1:39.4

Plate Offsets (X, Y): [2:0-1-12,0-2-0], [2:0-5-12,Edge]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.63	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.57	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 58 lb	FT = 20%

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

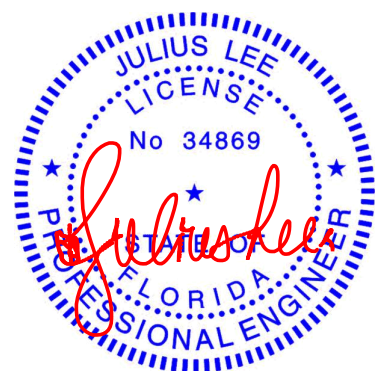
REACTIONS (size)
 2=13-8-0, 7=13-8-0, 8=13-8-0, 9=13-8-0, 10=13-8-0
 Max Horiz 2=144 (LC 9)
 Max Uplift 2=-168 (LC 8), 7=-10 (LC 9), 8=-68 (LC 12), 9=-216 (LC 1), 10=-202 (LC 12)
 Max Grav 2=459 (LC 1), 7=42 (LC 1), 8=264 (LC 1), 9=58 (LC 12), 10=761 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/22, 2-3=-162/103, 3-4=-92/40, 4-5=-93/68, 5-6=-56/52, 6-7=-35/47
 BOT CHORD 2-10=-55/57, 9-10=-53/57, 8-9=-53/57, 7-8=-53/57
 WEBS 5-8=-180/159, 4-9=-33/101, 3-10=-487/235

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=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-6-7 to 1-5-9, Zone1 1-5-9 to 13-6-4 zone; cantilever left and right exposed ; 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) Gable requires continuous bottom chord bearing.
- 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 168 lb uplift at joint 2, 10 lb uplift at joint 7, 68 lb uplift at joint 8, 216 lb uplift at joint 9, 202 lb uplift at joint 10 and 168 lb uplift at joint 2.

LOAD CASE(S) Standard



Julius Lee PE No. 34869
 MiTek Inc. DBA MiTek USA FL Cert 6634
 16023 Swingley Ridge Rd. Chesterfield, MO 63017
 Date:

December 18, 2025

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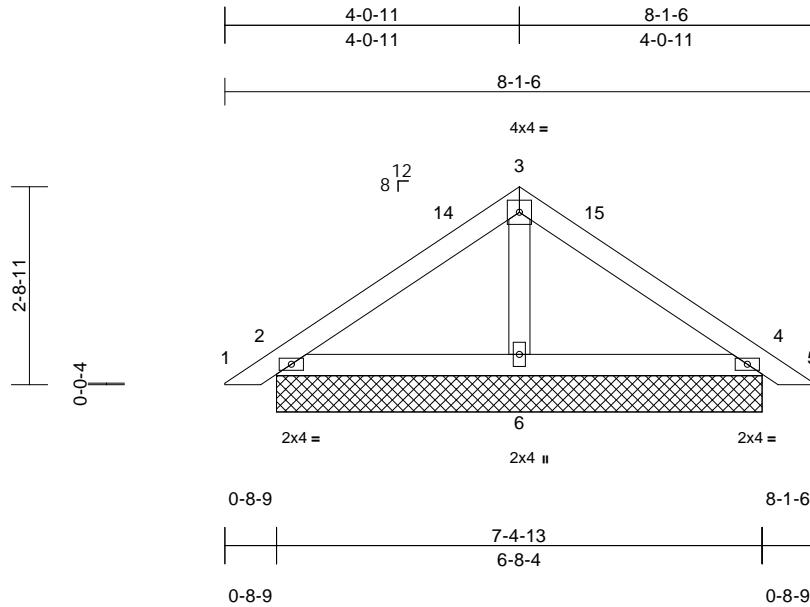
Job 2097-A	Truss PB1	Truss Type Piggyback	Qty 20	Ply 1	Chittum & Godden Residence Job Reference (optional)	T39565899
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19 Lumber, Inc., Old Town, FL - 32680,

Run: 9.13 S 8.83 Sep 3 2025 Print: 8.830 S Sep 3 2025 MiTek Industries, Inc. Wed Dec 17 08:19:09

Page: 1

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Scale = 1:31.7

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.14	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.15	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.01	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MP							Weight: 27 lb	FT = 20%

LUMBER

- TOP CHORD 2x4 SP No.2
- BOT CHORD 2x4 SP No.2
- OTHERS 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) 2=6-8-4, 4=6-8-4, 6=6-8-4
- Max Horiz 2=-63 (LC 10)
- Max Uplift 2=-47 (LC 12), 4=-55 (LC 13), 6=-12 (LC 12)
- Max Grav 2=181 (LC 1), 4=181 (LC 1), 6=229 (LC 1)

FORCES

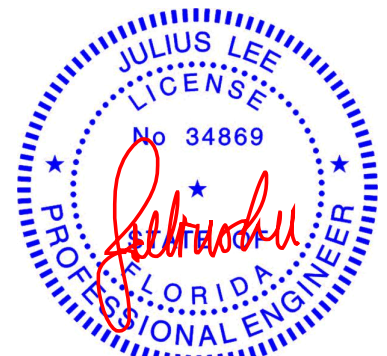
(lb) - Maximum Compression/Maximum Tension

- TOP CHORD 1-2=0/16, 2-3=-115/112, 3-4=-113/101, 4-5=0/16
- BOT CHORD 2-6=-22/60, 4-6=-21/60
- WEBS 3-6=-96/21

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=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 0-3-5 to 3-3-5, Zone1 3-3-5 to 4-1-1, Zone3 4-1-1 to 7-10-12 zone; cantilever left and right exposed; 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) Gable requires continuous bottom chord bearing.
 - 6) Gable studs spaced at 4-0-0 oc.
 - 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 47 lb uplift at joint 2, 55 lb uplift at joint 4, 12 lb uplift at joint 6, 47 lb uplift at joint 2 and 55 lb uplift at joint 4.
 - 10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
- LOAD CASE(S)** Standard



Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

December 18, 2025

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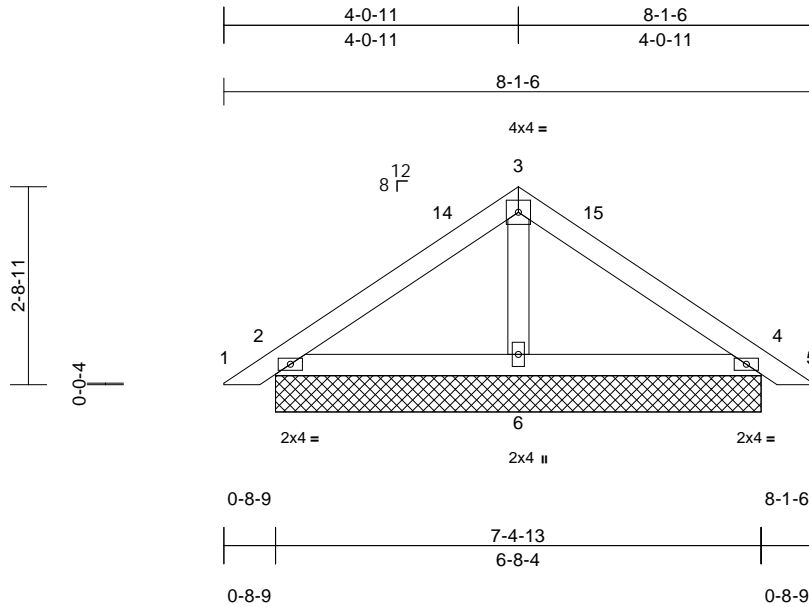
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Job 2097-A	Truss PB2	Truss Type Piggyback	Qty 2	Ply 1	Chittum & Godden Residence Job Reference (optional)	T39565900
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Page: 1



Scale = 1:31.7

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.14	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.15	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.01	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MP							Weight: 27 lb	FT = 20%

LUMBER

- TOP CHORD 2x4 SP No.2
- BOT CHORD 2x4 SP No.2
- OTHERS 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) 2=6-8-4, 4=6-8-4, 6=6-8-4
- Max Horiz 2=-63 (LC 10)
- Max Uplift 2=-47 (LC 12), 4=-55 (LC 13), 6=-12 (LC 12)
- Max Grav 2=181 (LC 1), 4=181 (LC 1), 6=229 (LC 1)

FORCES

(lb) - Maximum Compression/Maximum Tension

- TOP CHORD 1-2=0/16, 2-3=-115/112, 3-4=-113/101, 4-5=0/16
- BOT CHORD 2-6=-22/60, 4-6=-21/60
- WEBS 3-6=-96/21

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=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 0-3-5 to 3-3-5, Zone1 3-3-5 to 4-1-1, Zone3 4-1-1 to 7-10-12 zone; cantilever left and right exposed; 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) Gable requires continuous bottom chord bearing.
- 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 47 lb uplift at joint 2, 55 lb uplift at joint 4, 12 lb uplift at joint 6, 47 lb uplift at joint 2 and 55 lb uplift at joint 4.
- 10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard



Julius Lee PE No. 34869
 MiTek Inc. DBA MiTek USA FL Cert 6634
 16023 Swingley Ridge Rd. Chesterfield, MO 63017
 Date:

December 18, 2025

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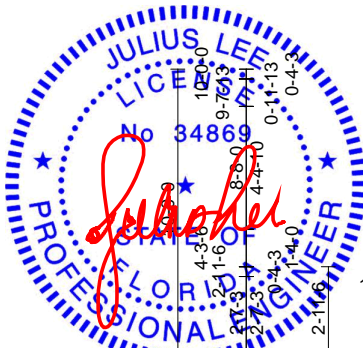
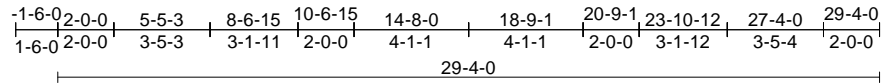
Job 2097-A	Truss SG1	Truss Type Piggyback Base Structural Gable	Qty 1	Ply 1	Chittum & Godden Residence Job Reference (optional)	T39565901
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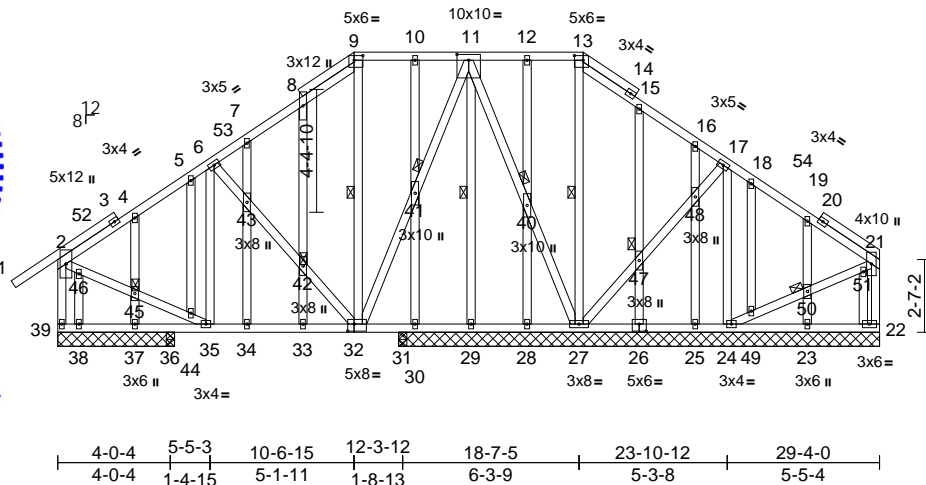
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Julius Lee PE No. 34869
 MiTek Inc. DBA MiTek USA FL Cert 6634
 16023 Swingley Ridge Rd. Chesterfield, MO 63017
 Date:



APPROVED

Job	Truss	Truss Type	Qty	Ply	Chittum & Godden Residence
2097-A	SG1	Piggyback Base Structural Gable	1	1	T39565901
					Job Reference (optional)

19 Lumber, Inc., Old Town, FL - 32680,

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Page: 2

- 9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 86 lb uplift at joint 39, 50 lb uplift at joint 27, 11 lb uplift at joint 24, 50 lb uplift at joint 28, 52 lb uplift at joint 29, 64 lb uplift at joint 30, 80 lb uplift at joint 37, 23 lb uplift at joint 38, 95 lb uplift at joint 26, 43 lb uplift at joint 25, 100 lb uplift at joint 23 and 6 lb uplift at joint 31.

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/TP11 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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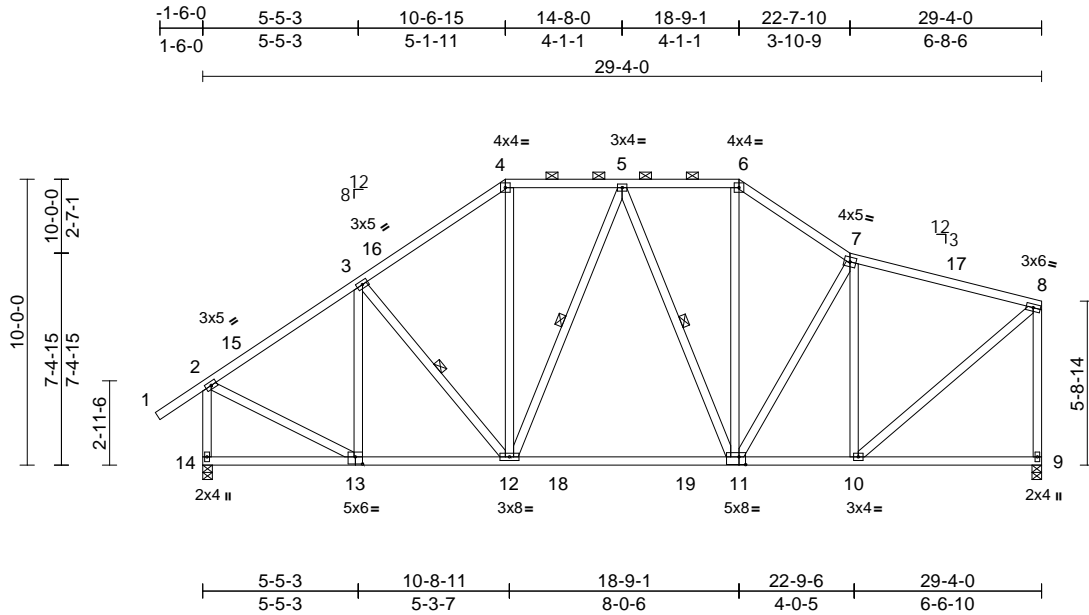
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job 2097-A	Truss T1	Truss Type Piggyback Base	Qty 4	Ply 1	Chittum & Godden Residence Job Reference (optional)	T39565902
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19 Lumber, Inc., Old Town, FL - 32680,

Run: 9.13 S 8.83 Sep 3 2025 Print: 8.830 S Sep 3 2025 MiTek Industries, Inc. Wed Dec 17 08:19:10
 ID:udnA70JGXZygd7nAiOg2cHyHb85-RfC?PsB70Hq3NSgPqnL8w3uITxBGKWrCDoi7J4zJC?F

Page: 1



Scale = 1:80.6

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.68	Vert(LL)	-0.19	11-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.73	Vert(CT)	-0.31	11-12	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.53	Horz(CT)	0.03	9	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 228 lb	FT = 20%

- LUMBER**
- TOP CHORD 2x4 SP No.2
 - BOT CHORD 2x4 SP No.2
 - WEBS 2x4 SP No.2
- BRACING**
- TOP CHORD Structural wood sheathing directly applied or 4-3-8 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-6.
 - BOT CHORD Rigid ceiling directly applied or 9-9-7 oc bracing.
 - WEBS 1 Row at midpt 3-12, 5-12, 5-11
- REACTIONS**
- (size) 9=0-4-0, 14=0-4-0
 - Max Horiz 14=281 (LC 10)
 - Max Uplift 9=171 (LC 13), 14=187 (LC 12)
 - Max Grav 9=1265 (LC 2), 14=1357 (LC 2)
- FORCES**
- (lb) - Maximum Compression/Maximum Tension
 - TOP CHORD 1-2=0/57, 2-3=-1147/265, 3-4=-1171/345, 4-5=-912/321, 5-6=-906/362, 6-7=-1151/358, 7-8=-986/273, 2-14=-1268/384, 8-9=-1156/315
 - BOT CHORD 12-14=-357/998, 10-12=-282/954, 9-10=-77/98
 - WEBS 3-13=-321/102, 3-12=-156/166, 4-12=-75/398, 5-12=-228/176, 5-11=-232/130, 6-11=-65/429, 7-11=-117/146, 7-10=-605/213, 2-13=-107/981, 8-10=-234/1176

- Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TC DL=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-7-0 to 1-5-0, Zone1 1-5-0 to 10-6-15, Zone2 10-6-15 to 14-8-0, Zone1 14-8-0 to 18-9-1, Zone3 18-9-1 to 22-7-10, Zone1 22-7-10 to 29-2-4 zone; cantilever left and right exposed; 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.
- 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 3-06-00 tall by 2-00-00 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 187 lb uplift at joint 14 and 171 lb uplift at joint 9.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

NOTES

- Unbalanced roof live loads have been considered for this design.



Julius Lee PE No. 34869
 MiTek Inc. DBA MiTek USA FL Cert 6634
 16023 Swingley Ridge Rd. Chesterfield, MO 63017
 Date:

December 18, 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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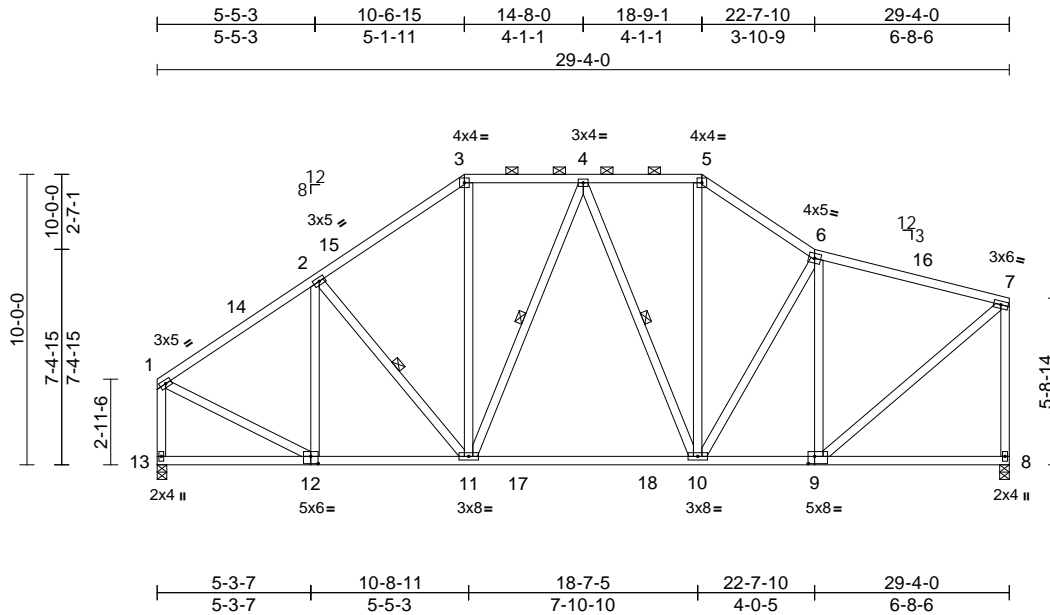
16023 Swingley Ridge Rd.
 Chesterfield, MO 63017
 314.434.1200 / MiTek-US.com

Job 2097-A	Truss T2	Truss Type Piggyback Base	Qty 1	Ply 1	Chittum & Godden Residence Job Reference (optional)	T39565903
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19 Lumber, Inc., Old Town, FL - 32680,

Run: 9.13 S 8.83 Sep 3 2025 Print: 8.830 S Sep 3 2025 MiTek Industries, Inc. Wed Dec 17 08:19:10
 ID:ICSII2L8qUKEUbWINWIDIDwyHb82-RFC?PsB70Hq3NSgPqnL8w3uITXbGKWRCDcoi7J4zJC?f

Page: 1



Scale = 1:79.3

Plate Offsets (X, Y): [9:0-2-12,0-3-0], [12:0-3-0,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.68	Vert(LL)	-0.18	10-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.71	Vert(CT)	-0.30	10-11	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.52	Horz(CT)	0.03	8	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 225 lb	FT = 20%

LUMBER

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

BRACING

- TOP CHORD Structural wood sheathing directly applied or 4-2-15 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-5.
- BOT CHORD Rigid ceiling directly applied or 9-10-3 oc bracing.
- WEBS 1 Row at midpt 2-11, 4-11, 4-10

REACTIONS

- (size) 8=0-4-0, 13=0-4-0
- Max Horiz 13=-272 (LC 8)
- Max Uplift 8=-170 (LC 13), 13=-149 (LC 12)
- Max Grav 8=1268 (LC 2), 13=1268 (LC 2)

FORCES

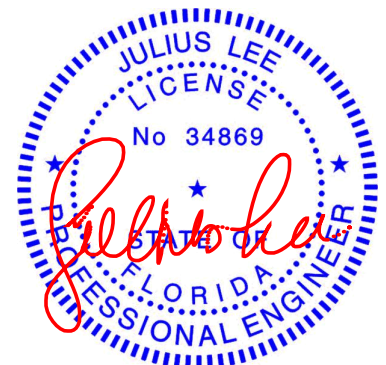
- (lb) - Maximum Compression/Maximum Tension
- TOP CHORD 1-2=-1151/270, 2-3=-1177/362, 3-4=-916/331, 4-5=-912/367, 5-6=-1151/364, 6-7=-1004/281, 1-13=-1180/316, 7-8=-1157/315
- BOT CHORD 11-13=-353/1010, 10-11=-280/958, 8-10=-254/935
- WEBS 2-12=-326/128, 2-11=-161/164, 3-11=-95/404, 4-11=-229/176, 4-10=-233/129, 5-10=-68/429, 6-10=-121/142, 6-9=-594/214, 1-12=-156/986, 7-9=-236/1186

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=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 0-1-12 to 3-1-12, Zone1 3-1-12 to 10-6-15, Zone2 10-6-15 to 14-8-0, Zone1 14-8-0 to 18-9-1, Zone3 18-9-1 to 22-7-10, Zone1 22-7-10 to 29-2-4 zone; cantilever left and right exposed; 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) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 149 lb uplift at joint 13 and 170 lb uplift at joint 8.
- 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard



Julius Lee PE No. 34869
 MiTek Inc. DBA MiTek USA FL Cert 6634
 16023 Swingley Ridge Rd. Chesterfield, MO 63017
 Date:

December 18, 2025

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

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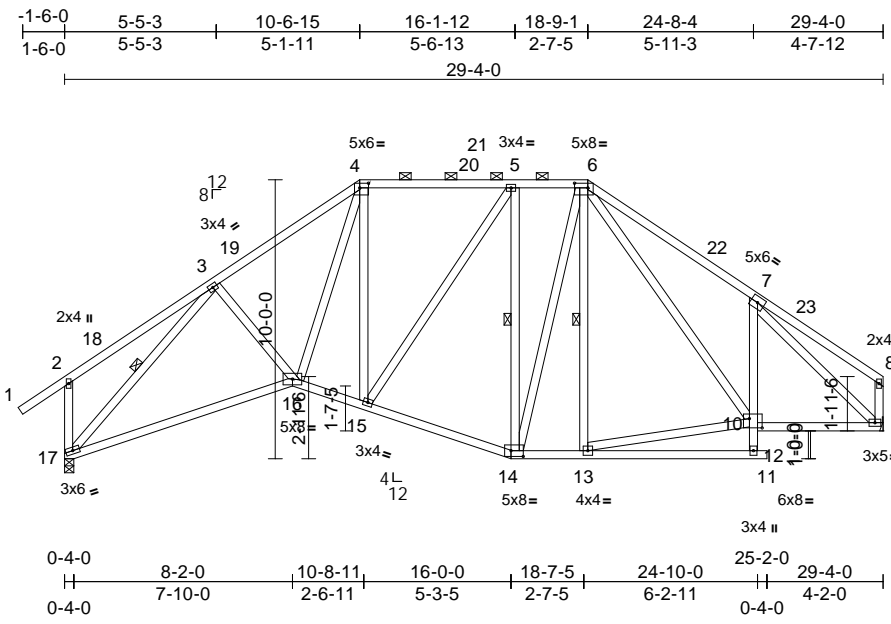
16023 Swingley Ridge Rd.
 Chesterfield, MO 63017
 314.434.1200 / MiTek-US.com

Job 2097-A	Truss T5	Truss Type Piggyback Base	Qty 3	Ply 1	Chittum & Godden Residence Job Reference (optional)	T39565906
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19 Lumber, Inc., Old Town, FL - 32680,

Run: 9.13 S 8.83 Sep 3 2025 Print: 8.830 S Sep 3 2025 MiTek Industries, Inc. Wed Dec 17 08:19:12
 ID:mO0gzOMmboS56l5xxDk_m7yHb81-RfC?PsB70Hq3NSgPqnL8w3uITxBGKWrCDoi7J4zJC7f

Page: 1



Scale = 1:82.6

Plate Offsets (X, Y): [4:0-3-12,0-2-0], [6:0-5-12,0-2-0], [10:0-5-8,0-4-0], [14:0-5-4,0-2-8]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.41	Vert(LL)	-0.16	16-17	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.74	Vert(CT)	-0.34	16-17	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.92	Horz(CT)	0.09	9	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 242 lb	FT = 20%

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

BRACING
 TOP CHORD Structural wood sheathing directly applied or 4-6-6 oc purlins, except end verticals, and 2-0-0 oc purlins (5-3-0 max.): 4-6.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except: 10-0-0 oc bracing: 10-12
 WEBS 1 Row at midpt 5-14, 6-13, 3-17

REACTIONS (size) 9= Mechanical, 17=0-4-0
 Max Horiz 17=275 (LC 9)
 Max Uplift 9=-147 (LC 13), 17=-187 (LC 12)
 Max Grav 9=1167 (LC 1), 17=1270 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/57, 2-3=-186/154, 3-4=-1547/309, 4-5=-991/252, 5-6=-876/238, 6-7=-1320/366, 7-8=-139/92, 2-17=-316/162, 8-9=-156/75
 BOT CHORD 16-17=-322/1169, 15-16=-203/1052, 14-15=-135/934, 13-14=-73/813, 12-13=0/102, 11-12=0/0, 10-12=0/143, 7-10=-99/247, 9-10=-138/1004
 WEBS 3-16=-43/262, 4-16=-173/723, 4-15=-212/154, 5-15=-119/300, 5-14=-505/255, 6-14=-189/331, 6-13=-45/95, 10-13=-90/746, 6-10=-231/403, 3-17=-1634/180, 7-9=-1386/157

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=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-7-0 to 1-5-0, Zone1 1-5-0 to 10-6-15, Zone2 10-6-15 to 14-9-14, Zone1 14-9-14 to 18-9-1, Zone2 18-9-1 to 22-11-15, Zone1 22-11-15 to 29-2-4 zone; cantilever left and right exposed; 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) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 7) Refer to girder(s) for truss to truss connections.
- 8) Bearing at joint(s) 17 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 187 lb uplift at joint 17 and 147 lb uplift at joint 9.
- 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard



Julius Lee PE No. 34869
 MiTek Inc. DBA MiTek USA FL Cert 6634
 16023 Swingley Ridge Rd. Chesterfield, MO 63017
 Date:

December 18, 2025

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

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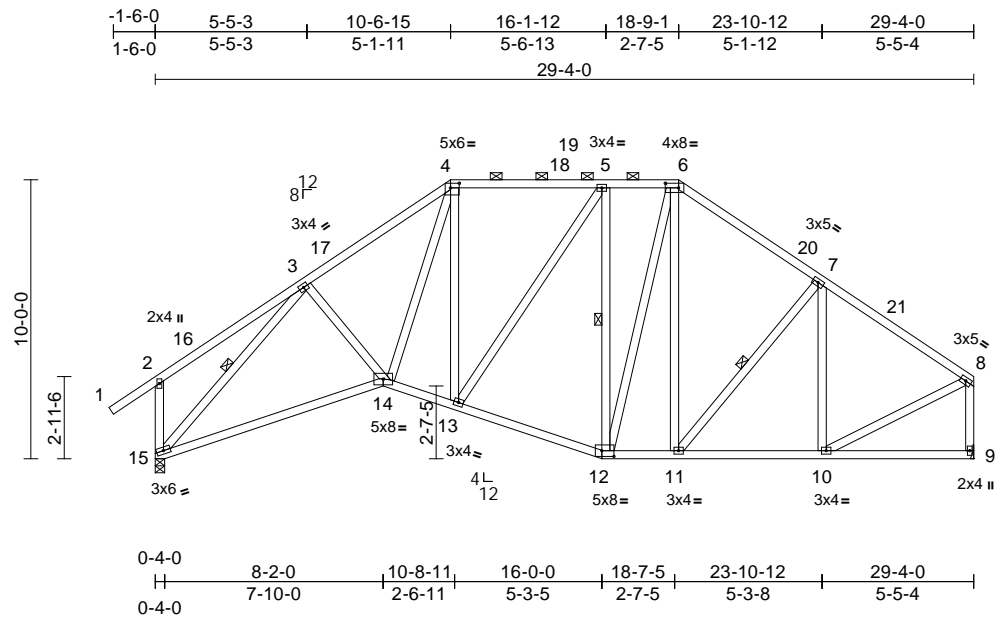
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 Chesterfield, MO 63017
 314.434.1200 / MiTek-US.com

Job 2097-A	Truss T6	Truss Type Piggyback Base	Qty 1	Ply 1	Chittum & Godden Residence Job Reference (optional)	T39565907
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19 Lumber, Inc., Old Town, FL - 32680,

Run: 9.13 S 8.83 Sep 3 2025 Print: 8.830 S Sep 3 2025 MiTek Industries, Inc. Wed Dec 17 08:19:12
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Page: 1



Scale = 1:82.6

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

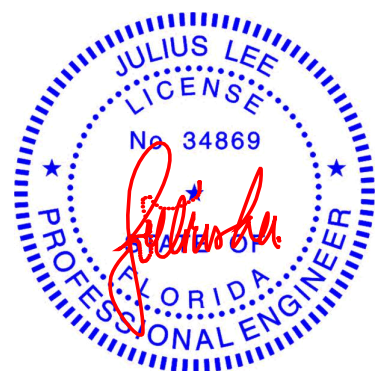
Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.37	Vert(LL)	-0.16	14-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.74	Vert(CT)	-0.34	14-15	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.50	Horz(CT)	0.08	9	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 231 lb	FT = 20%

- LUMBER**
 TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2
 WEBS 2x4 SP No.2
- BRACING**
 TOP CHORD Structural wood sheathing directly applied or 4-6-6 oc purlins, except end verticals, and 2-0-0 oc purlins (5-3-11 max.): 4-6.
 BOT CHORD Rigid ceiling directly applied or 9-8-11 oc bracing.
 WEBS 1 Row at midpt 5-12, 7-11, 3-15
- REACTIONS**
 (size) 9= Mechanical, 15=0-4-0
 Max Horiz 15=291 (LC 9)
 Max Uplift 9=151 (LC 13), 15=188 (LC 12)
 Max Grav 9=1159 (LC 1), 15=1268 (LC 1)
- FORCES**
 (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/57, 2-3=-186/154, 3-4=-1544/323, 4-5=-989/258, 5-6=-874/240, 6-7=-1068/236, 7-8=-1082/175, 2-15=-316/161, 8-9=-1110/175
 BOT CHORD 14-15=-345/1168, 13-14=-224/1050, 12-13=-152/933, 11-12=-92/805, 10-11=-130/837, 9-10=-43/58
 WEBS 3-14=-40/261, 4-14=-182/728, 4-13=-215/160, 5-13=-126/302, 5-12=-511/258, 6-12=-180/345, 6-11=-80/209, 7-11=-175/156, 7-10=-302/108, 3-15=-1631/171, 8-10=-98/908

- 2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-7-0 to 1-5-0, Zone1 1-5-0 to 10-6-15, Zone2 10-6-15 to 14-9-14, Zone1 14-9-14 to 18-9-1, Zone2 18-9-1 to 22-11-15, Zone1 22-11-15 to 29-2-4 zone; cantilever left and right exposed; 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) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 7) Refer to girder(s) for truss to truss connections.
- 8) Bearing at joint(s) 15 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 151 lb uplift at joint 9 and 188 lb uplift at joint 15.
- 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

- NOTES**
 1) Unbalanced roof live loads have been considered for this design.



Julius Lee PE No. 34869
 MiTek Inc. DBA MiTek USA FL Cert 6634
 16023 Swingley Ridge Rd. Chesterfield, MO 63017
 Date:

December 18, 2025

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

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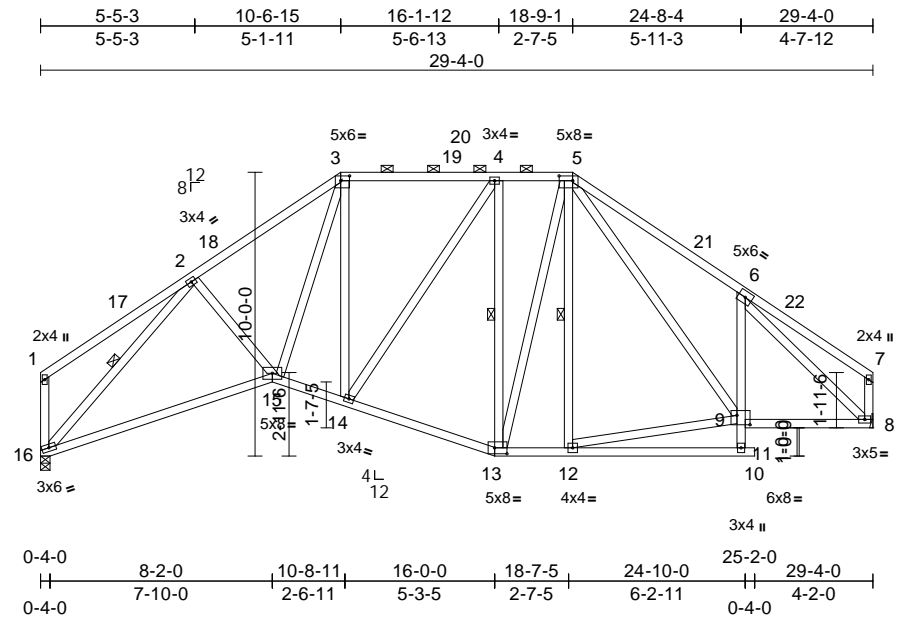
MiTek®
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 Chesterfield, MO 63017
 314.434.1200 / MiTek-US.com

Job 2097-A	Truss T7	Truss Type Piggyback Base	Qty 2	Ply 1	Chittum & Godden Residence Job Reference (optional)	T39565908
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19 Lumber, Inc., Old Town, FL - 32680,

Run: 9.13 S 8.83 Sep 3 2025 Print: 8.830 S Sep 3 2025 MiTek Industries, Inc. Wed Dec 17 08:19:13
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Page: 1



Scale = 1:81.2

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.41	Vert(LL)	-0.16	15-16	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.74	Vert(CT)	-0.34	15-16	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.93	Horz(CT)	0.09	8	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 239 lb	FT = 20%

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

BRACING
 TOP CHORD Structural wood sheathing directly applied or 4-5-13 oc purlins, except end verticals, and 2-0-0 oc purlins (5-2-9 max.): 3-5.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except: 10-0-0 oc bracing: 9-11
 WEBS 1 Row at midpt 4-13, 5-12, 2-16

REACTIONS (size) 8= Mechanical, 16=0-4-0
 Max Horiz 16=263 (LC 10)
 Max Uplift 8=146 (LC 13), 16=149 (LC 12)
 Max Grav 8=1170 (LC 1), 16=1163 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-175/123, 2-3=-1573/306, 3-4=-998/249, 4-5=-880/237, 5-6=-1324/365, 6-7=-139/92, 1-16=-200/96, 7-8=-156/75
 BOT CHORD 15-16=-318/1197, 14-15=-201/1063, 13-14=-134/939, 12-13=-72/816, 11-12=0/102, 10-11=0/0, 9-11=0/143, 6-9=-98/248, 8-9=-137/1007
 WEBS 2-15=-44/259, 3-15=-170/755, 3-14=-226/154, 4-14=-117/303, 4-13=-510/254, 5-13=-188/334, 5-12=-45/95, 9-12=-88/749, 5-9=-232/402, 2-16=-1662/220, 6-8=-1391/155

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=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 0-1-12 to 3-1-12, Zone1 3-1-12 to 10-6-15, Zone2 10-6-15 to 14-9-14, Zone1 14-9-14 to 18-9-1, Zone2 18-9-1 to 22-11-15, Zone1 22-11-15 to 29-2-4 zone; cantilever left and right exposed ; 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) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 7) Refer to girder(s) for truss to truss connections.
- 8) Bearing at joint(s) 16 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 149 lb uplift at joint 16 and 146 lb uplift at joint 8.
- 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard



Julius Lee PE No. 34869
 MiTek Inc. DBA MiTek USA FL Cert 6634
 16023 Swingley Ridge Rd. Chesterfield, MO 63017
 Date:

December 18, 2025

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

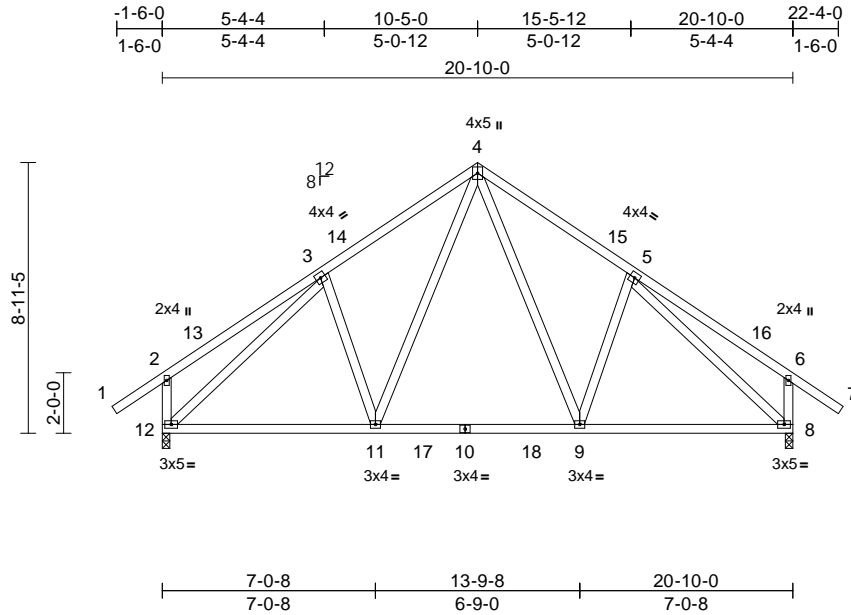
MiTek®
 16023 Swingley Ridge Rd.
 Chesterfield, MO 63017
 314.434.1200 / MiTek-US.com

Job 2097-A	Truss T8	Truss Type Common	Qty 5	Ply 1	Chittum & Godden Residence Job Reference (optional)	T39565909
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19 Lumber, Inc., Old Town, FL - 32680,

Run: 9.13 S 8.83 Sep 3 2025 Print: 8.830 S Sep 3 2025 MiTek Industries, Inc. Wed Dec 17 08:19:13
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Page: 1



Scale = 1:76.1

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.30	Vert(LL)	-0.07	9-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.50	Vert(CT)	-0.12	8-9	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.84	Horz(CT)	0.02	8	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 142 lb	FT = 20%

LUMBER

- TOP CHORD 2x4 SP No.2
- BOT CHORD 2x4 SP No.2
- WEBS 2x4 SP 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 10-0-0 oc bracing.

REACTIONS

- (size) 8=0-3-0, 12=0-3-0
- Max Horiz 12=262 (LC 11)
- Max Uplift 8=-162 (LC 13), 12=-162 (LC 12)
- Max Grav 8=1022 (LC 20), 12=1022 (LC 19)

FORCES

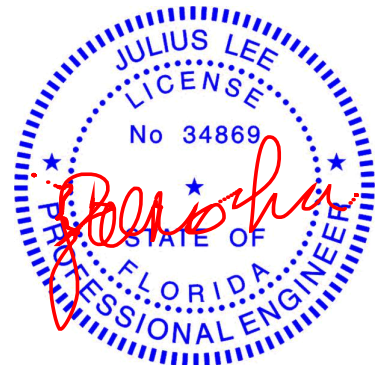
- (lb) - Maximum Compression/Maximum Tension
- TOP CHORD 1-2=0/57, 2-3=-191/131, 3-4=-910/239, 4-5=-910/239, 5-6=-191/131, 6-7=0/57, 2-12=-314/190, 6-8=-314/190
- BOT CHORD 11-12=-116/832, 9-11=-15/632, 8-9=-43/722
- WEBS 4-9=-139/430, 5-9=-141/214, 4-11=-139/430, 3-11=-141/214, 3-12=-938/68, 5-8=-937/68

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=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-7-0 to 1-5-0, Zone1 1-5-0 to 10-5-0, Zone2 10-5-0 to 14-7-15, Zone1 14-7-15 to 22-5-0 zone; cantilever left and right exposed ; 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 162 lb uplift at joint 12 and 162 lb uplift at joint 8.

LOAD CASE(S) Standard



Julius Lee PE No. 34869
 MiTek Inc. DBA MiTek USA FL Cert 6634
 16023 Swingley Ridge Rd. Chesterfield, MO 63017
 Date:

December 18, 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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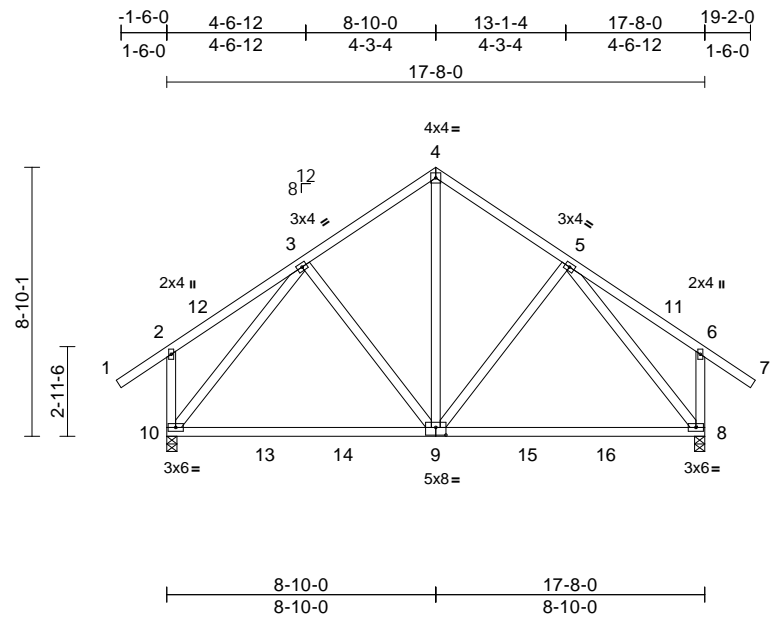
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 Chesterfield, MO 63017
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Job 2097-A	Truss T10	Truss Type Common	Qty 1	Ply 1	Chittum & Godden Residence Job Reference (optional)	T39565910
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19 Lumber, Inc., Old Town, FL - 32680,

Run: 9.13 S 8.83 Sep 3 2025 Print: 8.830 S Sep 3 2025 MiTek Industries, Inc. Wed Dec 17 08:19:13
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Page: 1



Scale = 1:75.7
Plate Offsets (X, Y): [9:0-4:0,0-3:0]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP		
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.29	Vert(LL)	-0.17	9-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.88	Vert(CT)	-0.29	9-10	>710	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.58	Horz(CT)	-0.01	10	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 123 lb	FT = 20%

LUMBER
 TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2
 WEBS 2x4 SP 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 10-0-0 oc bracing.

REACTIONS (size) 8=0-4-0, 10=0-4-0
 Max Horiz 8=-270 (LC 10)
 Max Uplift 8=-140 (LC 13), 10=-140 (LC 12)
 Max Grav 8=883 (LC 20), 10=883 (LC 19)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 4-5=-610/190, 5-6=-176/140, 6-7=0/57,
 1-2=0/57, 2-3=-176/139, 3-4=-610/190,
 6-8=-294/200, 2-10=-293/200
 BOT CHORD 8-10=-119/565
 WEBS 4-9=-88/383, 3-9=-93/168, 5-9=-93/168,
 5-8=-685/78, 3-10=-684/77

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-7-0 to 1-5-0, Zone1 1-5-0 to 8-10-0, Zone2 8-10-0 to 13-2-5, Zone1 13-2-5 to 19-3-0 zone; cantilever left and right exposed; 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 3-06-00 tall by 2-00-00 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 140 lb uplift at joint 8 and 140 lb uplift at joint 10.
- LOAD CASE(S)** Standard



Julius Lee PE No. 34869
 MiTek Inc. DBA MiTek USA FL Cert 6634
 16023 Swingley Ridge Rd. Chesterfield, MO 63017
 Date:

December 18, 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)

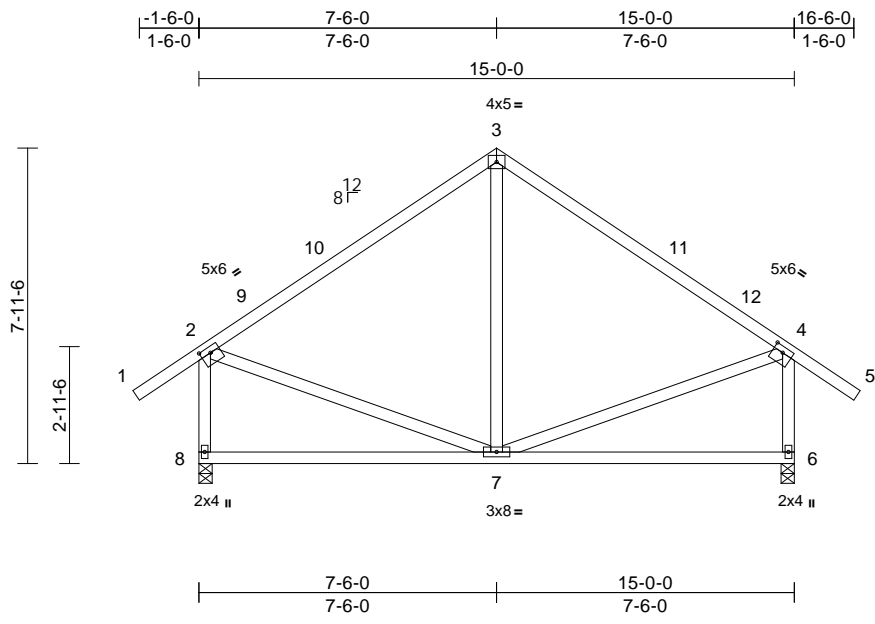
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 Chesterfield, MO 63017
 314.434.1200 / MiTek-US.com

Job 2097-A	Truss T11	Truss Type Common	Qty 5	Ply 1	Chittum & Godden Residence Job Reference (optional) T39565911
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19 Lumber, Inc., Old Town, FL - 32680,

Run: 9.13 S 8.83 Sep 3 2025 Print: 8.830 S Sep 3 2025 MiTek Industries, Inc. Wed Dec 17 08:19:13
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Page: 1



Scale = 1:58.1

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.60	Vert(LL)	-0.06	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.47	Vert(CT)	-0.12	7-8	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 96 lb	FT = 20%

LUMBER
 TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2
 WEBS 2x4 SP 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 10-0-0 oc bracing.

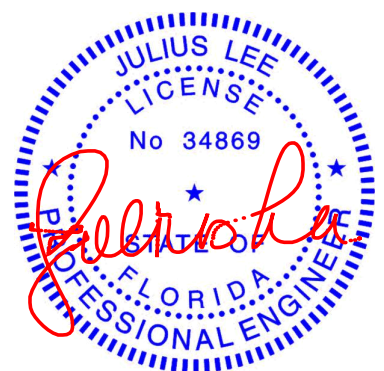
REACTIONS (size) 6=0-4-0, 8=0-4-0
 Max Horiz 8=248 (LC 11)
 Max Uplift 6=-124 (LC 13), 8=-124 (LC 12)
 Max Grav 6=692 (LC 1), 8=692 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/57, 2-3=-498/171, 3-4=-498/171, 4-5=0/57, 2-8=-627/278, 4-6=-627/278
 BOT CHORD 7-8=-223/274, 6-7=-65/107
 WEBS 3-7=-8/191, 2-7=-53/313, 4-7=-54/314

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-7-0 to 1-5-0, Zone1 1-5-0 to 7-6-0, Zone2 7-6-0 to 11-8-15, Zone1 11-8-15 to 16-7-0 zone; cantilever left and right exposed; 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 3-06-00 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 124 lb uplift at joint 8 and 124 lb uplift at joint 6.

LOAD CASE(S) Standard



Julius Lee PE No. 34869
 MiTek Inc. DBA MiTek USA FL Cert 6634
 16023 Swingley Ridge Rd. Chesterfield, MO 63017
 Date:

December 18, 2025

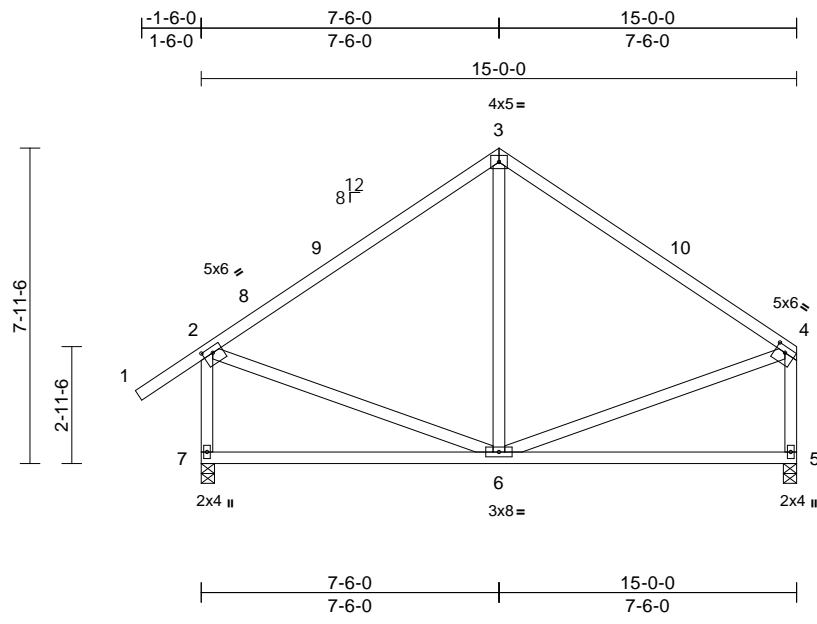
<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.</p> <p>Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. 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)</p>	<p>16023 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200 / MiTek-US.com</p>
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Job 2097-A	Truss T12	Truss Type Common	Qty 5	Ply 1	Chittum & Godden Residence Job Reference (optional)	T39565912
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19 Lumber, Inc., Old Town, FL - 32680,

Run: 9.13 S 8.83 Sep 3 2025 Print: 8.830 S Sep 3 2025 MiTek Industries, Inc. Wed Dec 17 08:19:14
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Page: 1



Scale = 1:58.1

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.75	Vert(LL)	-0.06	6-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.47	Vert(CT)	-0.12	5-6	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 93 lb	FT = 20%

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

BRACING
 TOP CHORD Structural wood sheathing directly applied or 5-0-8 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

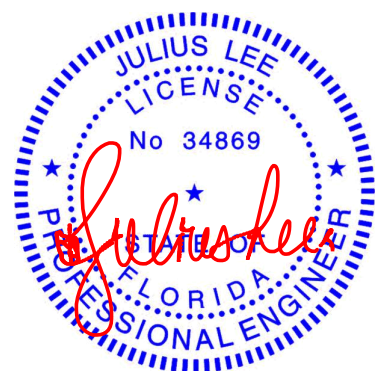
REACTIONS (size) 5=0-4-0, 7=0-4-0
 Max Horiz 7=238 (LC 9)
 Max Uplift 5=-88 (LC 13), 7=-122 (LC 12)
 Max Grav 5=582 (LC 1), 7=698 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/57, 2-3=-506/168, 3-4=-499/166, 2-7=-633/276, 4-5=-517/203
 BOT CHORD 6-7=-235/255, 5-6=-70/99
 WEBS 3-6=-16/188, 2-6=-53/323, 4-6=-53/311

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-7-0 to 1-5-0, Zone1 1-5-0 to 7-6-0, Zone2 7-6-0 to 11-8-15, Zone1 11-8-15 to 14-10-4 zone; cantilever left and right exposed; 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 3-06-00 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 122 lb uplift at joint 7 and 88 lb uplift at joint 5.

LOAD CASE(S) Standard



Julius Lee PE No. 34869
 MiTek Inc. DBA MiTek USA FL Cert 6634
 16023 Swingley Ridge Rd. Chesterfield, MO 63017
 Date:

December 18, 2025

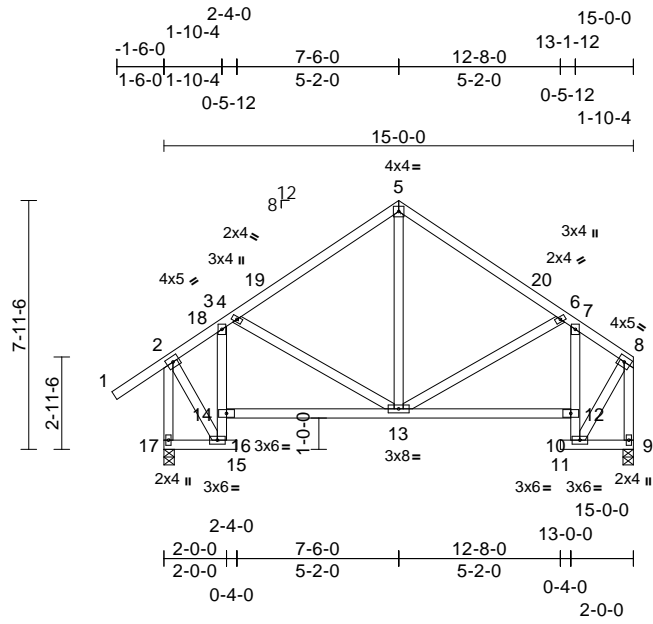
<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.</p> <p>Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. 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)</p>	<p>16023 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200 / MiTek-US.com</p>
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Job 2097-A	Truss T13	Truss Type Roof Special	Qty 2	Ply 1	Chittum & Godden Residence Job Reference (optional)	T39565913
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19 Lumber, Inc., Old Town, FL - 32680,

Run: 9.13 S 8.83 Sep 3 2025 Print: 8.830 S Sep 3 2025 MiTek Industries, Inc. Wed Dec 17 08:19:14
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Page: 1



Scale = 1:73.6

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.33	Vert(LL)	-0.03	13-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.42	Vert(CT)	-0.07	12-13	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.12	Horz(CT)	0.07	9	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 107 lb	FT = 20%

LUMBER
 TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2
 WEBS 2x4 SP 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. Except: 6-0-0 oc bracing: 14-16, 10-12

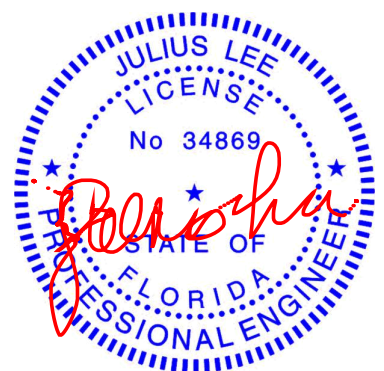
REACTIONS (size) 9=0-4-0, 17=0-4-0
 Max Horiz 17=238 (LC 9)
 Max Uplift 9=-83 (LC 13), 17=-117 (LC 12)
 Max Grav 9=592 (LC 1), 17=708 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/57, 2-3=-346/153, 3-4=-517/219, 4-5=-506/184, 5-6=-507/203, 6-7=-529/207, 7-8=-341/104, 2-17=-756/226, 8-9=-644/201
 BOT CHORD 16-17=-222/186, 15-16=0/0, 14-16=-349/71, 3-14=-299/91, 13-14=-216/471, 12-13=-154/363, 10-12=-352/139, 7-12=-307/165, 10-11=0/0, 9-10=-47/53
 WEBS 5-13=-54/258, 4-13=-130/160, 6-13=-108/122, 2-16=-63/508, 8-10=-174/529

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=5.0psf; BC DL=5.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-7-0 to 1-5-0, Zone1 1-5-0 to 7-6-0, Zone2 7-6-0 to 11-8-15, Zone1 11-8-15 to 14-10-4 zone; cantilever left and right exposed; 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 3-06-00 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 117 lb uplift at joint 17 and 83 lb uplift at joint 9.

LOAD CASE(S) Standard



Julius Lee PE No. 34869
 MiTek Inc. DBA MiTek USA FL Cert 6634
 16023 Swingley Ridge Rd. Chesterfield, MO 63017
 Date:

December 18, 2025

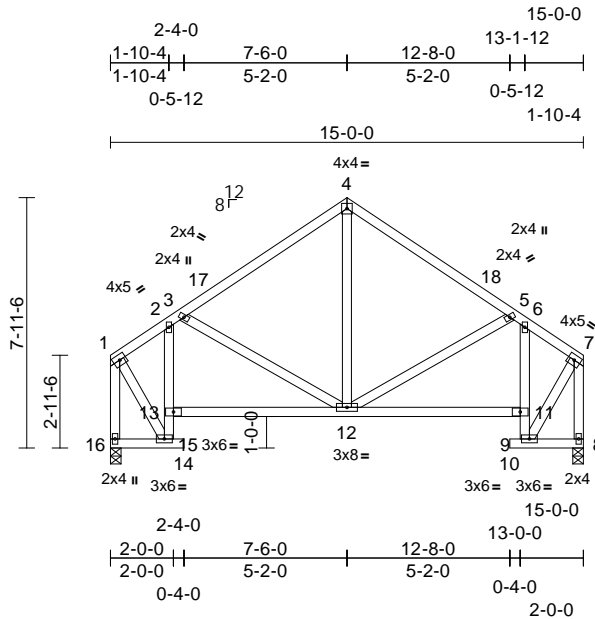
<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.</p> <p>Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. 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)</p>	<p>16023 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200 / MiTek-US.com</p>
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Job 2097-A	Truss T14	Truss Type Roof Special	Qty 1	Ply 1	Chittum & Godden Residence Job Reference (optional)	T39565914
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19 Lumber, Inc., Old Town, FL - 32680,

Run: 9.13 S 8.83 Sep 3 2025 Print: 8.830 S Sep 3 2025 MiTek Industries, Inc. Wed Dec 17 08:19:14
ID:q0uwYiLW3BCNsRxZpoiWhiyHb83-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?#

Page: 1



Scale = 1:73.1

Plate Offsets (X, Y): [5:0-0-0,0-0-0], [6:0-0-0,Edge], [7:0-0-0,0-0-0]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.32	Vert(LL)	-0.03	12-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.42	Vert(CT)	-0.07	12-13	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.12	Horz(CT)	0.07	8	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 104 lb	FT = 20%

LUMBER
 TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2
 WEBS 2x4 SP 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. Except: 6-0-0 oc bracing: 13-15, 9-11

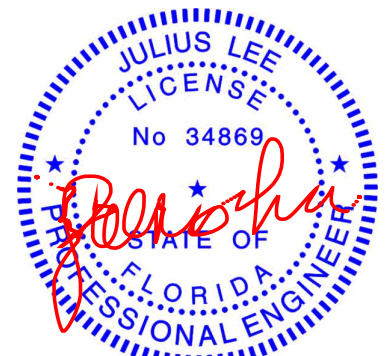
REACTIONS (size) 8=0-4-0, 16=0-4-0
 Max Horiz 16=220 (LC 9)
 Max Uplift 8=-81 (LC 13), 16=-81 (LC 12)
 Max Grav 8=598 (LC 1), 16=598 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-347/131, 2-3=-535/213, 3-4=-515/181, 4-5=-515/200, 5-6=-535/204, 6-7=-345/106, 1-16=-651/155, 7-8=-651/199
 BOT CHORD 15-16=-204/196, 14-15=0/0, 13-15=-356/165, 2-13=-311/186, 12-13=-207/491, 11-12=-153/367, 9-11=-356/137, 6-11=-312/163, 9-10=0/0, 8-9=-47/53
 WEBS 4-12=-51/262, 3-12=-136/153, 5-12=-106/123, 1-15=-150/535, 7-9=-172/535

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=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 0-1-12 to 3-1-12, Zone1 3-1-12 to 7-6-0, Zone2 7-6-0 to 11-8-15, Zone1 11-8-15 to 14-10-4 zone; cantilever left and right exposed; 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 3-06-00 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 81 lb uplift at joint 16 and 81 lb uplift at joint 8.

LOAD CASE(S) Standard



Julius Lee PE No. 34869
 MiTek Inc. DBA MiTek USA FL Cert 6634
 16023 Swingley Ridge Rd. Chesterfield, MO 63017
 Date:

December 18, 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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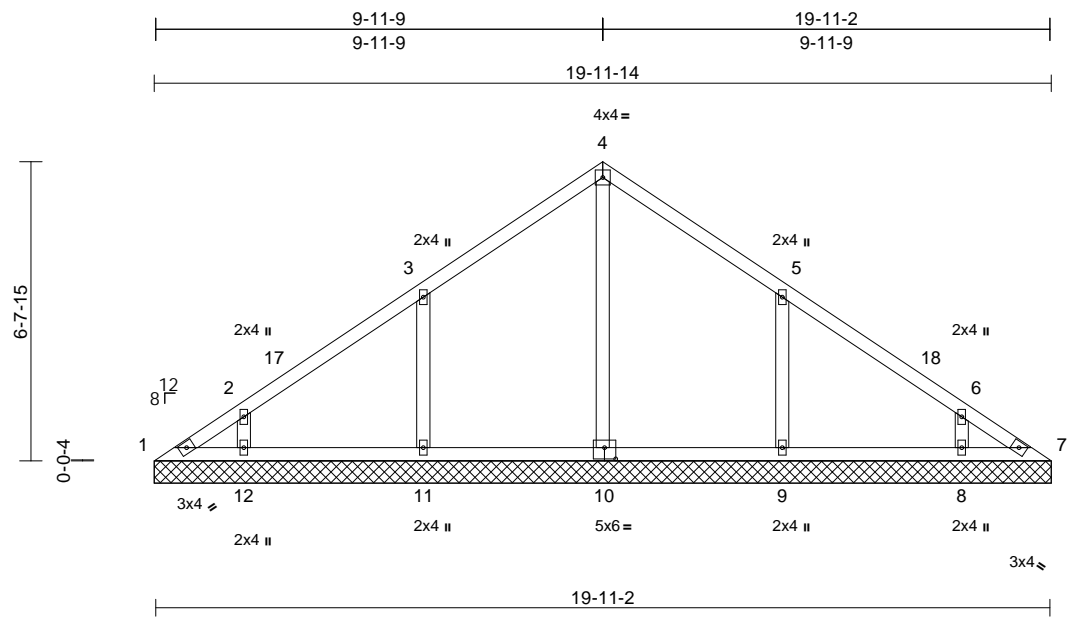
16023 Swingley Ridge Rd.
 Chesterfield, MO 63017
 314.434.1200 / MiTek-US.com

Job 2097-A	Truss V1	Truss Type Valley	Qty 1	Ply 1	Chittum & Godden Residence Job Reference (optional)	T39565915
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19 Lumber, Inc., Old Town, FL - 32680,

Run: 9.13 S 8.83 Sep 3 2025 Print: 8.830 S Sep 3 2025 MiTek Industries, Inc. Wed Dec 17 08:19:14
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Page: 1



Scale = 1:51.3

Plate Offsets (X, Y): [10:0-3-0,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.19	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.17	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.12	Horiz(TL)	0.00	7	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 85 lb	FT = 20%

LUMBER
 TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2
 OTHERS 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) 1=19-11-14, 7=19-11-14, 8=19-11-14, 9=19-11-14, 10=19-11-14, 11=19-11-14, 12=19-11-14
 Max Horiz 1=160 (LC 8)
 Max Uplift 1=40 (LC 8), 7=3 (LC 9), 8=97 (LC 13), 9=164 (LC 13), 11=163 (LC 12), 12=100 (LC 12)
 Max Grav 1=88 (LC 20), 7=60 (LC 22), 8=323 (LC 20), 9=461 (LC 20), 10=378 (LC 22), 11=464 (LC 19), 12=325 (LC 19)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-154/130, 2-3=-152/102, 3-4=-131/153, 4-5=-120/133, 5-6=-105/53, 6-7=-112/70
 BOT CHORD 1-12=-55/104, 11-12=-48/104, 9-11=-48/104, 8-9=-48/103, 7-8=-48/103
 WEBS 4-10=-175/0, 3-11=-288/203, 2-12=-218/151, 5-9=-288/203, 6-8=-216/150

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=5.0psf; BC DL=5.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 0-0-0 to 3-0-0, Zone1 3-0-0 to 9-11-15, Zone2 9-11-15 to 13-11-15, Zone1 13-11-15 to 19-11-14 zone; cantilever left and right exposed; 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) Gable requires continuous bottom chord bearing.
- 6) Gable studs spaced at 4-0-0 oc.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BC DL = 10.0psf.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 40 lb uplift at joint 1, 3 lb uplift at joint 7, 163 lb uplift at joint 11, 100 lb uplift at joint 12, 164 lb uplift at joint 9 and 97 lb uplift at joint 8.
- 10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 1, 7.

LOAD CASE(S) Standard



Julius Lee PE No. 34869
 MiTek Inc. DBA MiTek USA FL Cert 6634
 16023 Swingley Ridge Rd. Chesterfield, MO 63017
 Date:

December 18, 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)

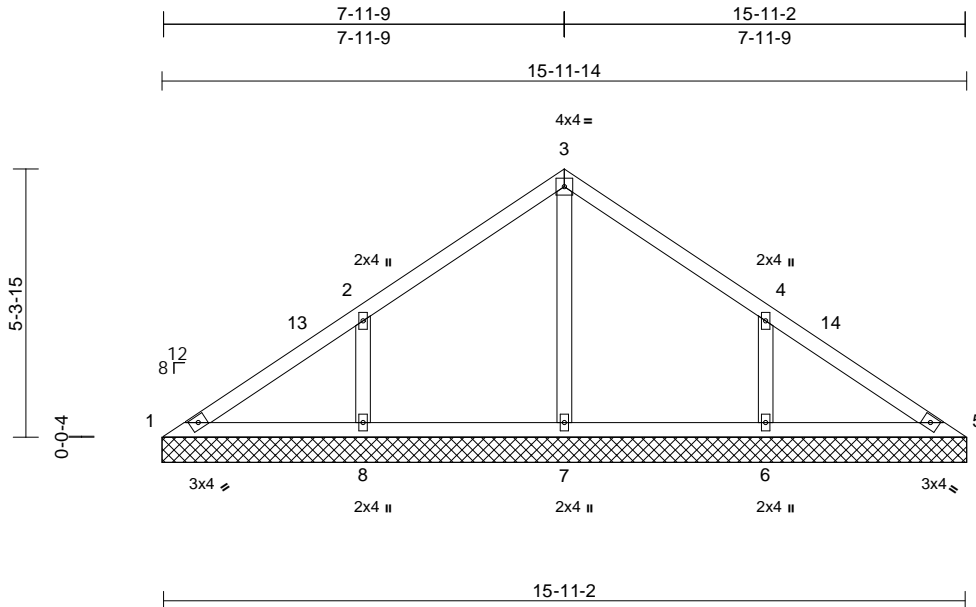
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 16023 Swingley Ridge Rd.
 Chesterfield, MO 63017
 314.434.1200 / MiTek-US.com

Job 2097-A	Truss V2	Truss Type Valley	Qty 1	Ply 1	Chittum & Godden Residence Job Reference (optional)	T39565916
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19 Lumber, Inc., Old Town, FL - 32680,

Run: 9.13 S 8.83 Sep 3 2025 Print: 8.830 S Sep 3 2025 MiTek Industries, Inc. Wed Dec 17 08:19:15
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Page: 1



Scale = 1:45.8

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.22	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.12	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.13	Horiz(TL)	0.00	5	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 64 lb	FT = 20%

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

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

REACTIONS (size) 1=15-11-14, 5=15-11-14, 6=15-11-14, 7=15-11-14, 8=15-11-14
 Max Horiz 1=-127 (LC 8)
 Max Uplift 1=-15 (LC 13), 6=-163 (LC 13), 8=-165 (LC 12)
 Max Grav 1=101 (LC 20), 5=97 (LC 26), 6=393 (LC 20), 7=358 (LC 1), 8=395 (LC 19)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-134/190, 2-3=-31/153, 3-4=-21/137, 4-5=-117/151
 BOT CHORD 1-8=-97/128, 7-8=-97/95, 6-7=-97/95, 5-6=-97/95
 WEBS 3-7=-290/23, 2-8=-288/191, 4-6=-287/190

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=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 0-0-0 to 3-0-0, Zone1 3-0-0 to 7-11-15, Zone2 7-11-15 to 11-11-15, Zone1 11-11-15 to 15-11-14 zone; cantilever left and right exposed ; 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) Gable requires continuous bottom chord bearing.
 - 6) Gable studs spaced at 4-0-0 oc.
 - 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 15 lb uplift at joint 1, 165 lb uplift at joint 8 and 163 lb uplift at joint 6.
 - 10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 1, 5.
- LOAD CASE(S)** Standard



Julius Lee PE No. 34869
 MiTek Inc. DBA MiTek USA FL Cert 6634
 16023 Swingley Ridge Rd. Chesterfield, MO 63017
 Date:

December 18, 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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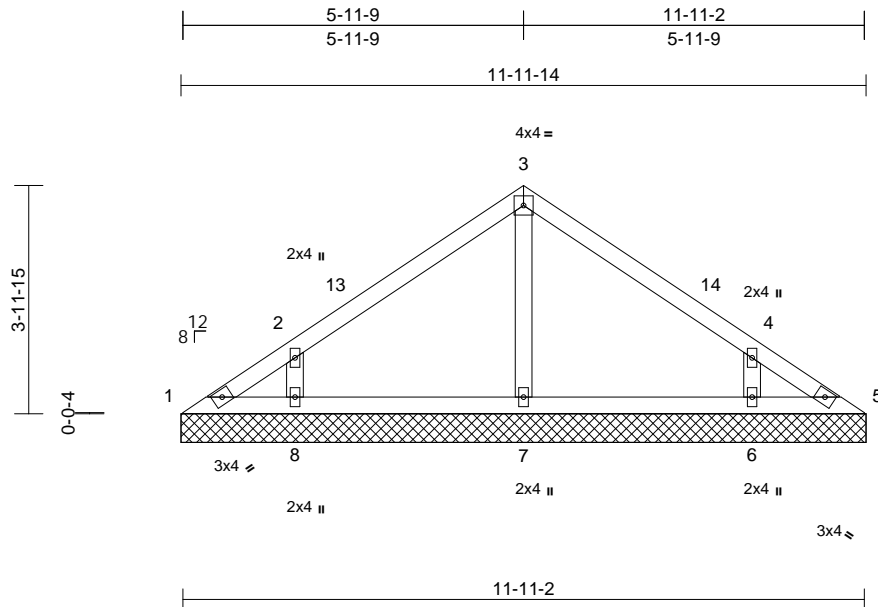
16023 Swingley Ridge Rd.
 Chesterfield, MO 63017
 314.434.1200 / MiTek-US.com

Job 2097-A	Truss V3	Truss Type Valley	Qty 1	Ply 1	Chittum & Godden Residence Job Reference (optional)	T39565917
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19 Lumber, Inc., Old Town, FL - 32680,

Run: 9.13 S 8.83 Sep 3 2025 Print: 8.830 S Sep 3 2025 MiTek Industries, Inc. Wed Dec 17 08:19:15
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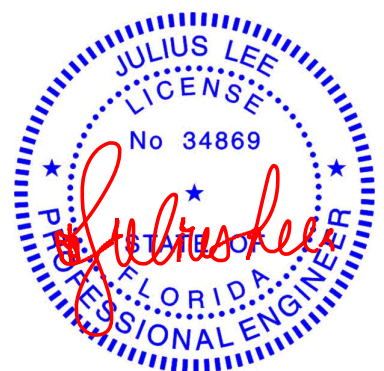
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Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.17	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.12	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.04	Horiz(TL)	0.00	5	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 45 lb	FT = 20%

- LUMBER**
- TOP CHORD 2x4 SP No.2
 - BOT CHORD 2x4 SP No.2
 - OTHERS 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)
- 1=11-11-14, 5=11-11-14, 6=11-11-14, 7=11-11-14, 8=11-11-14
 - Max Horiz 1=-94 (LC 8)
 - Max Uplift 1=-24 (LC 8), 5=-2 (LC 9), 6=-131 (LC 13), 8=-132 (LC 12)
 - Max Grav 1=70 (LC 20), 5=53 (LC 19), 6=316 (LC 20), 7=262 (LC 1), 8=318 (LC 19)
- FORCES** (lb) - Maximum Compression/Maximum Tension
- TOP CHORD 1-2=-93/85, 2-3=-124/110, 3-4=-115/112, 4-5=-66/48
 - BOT CHORD 1-8=-22/57, 7-8=-21/57, 6-7=-21/57, 5-6=-21/57
 - WEBS 3-7=-176/22, 2-8=-268/230, 4-6=-267/230

- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 5) Gable requires continuous bottom chord bearing.
- 6) Gable studs spaced at 4-0-0 oc.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 24 lb uplift at joint 1, 2 lb uplift at joint 5, 132 lb uplift at joint 8 and 131 lb uplift at joint 6.
- 10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 1, 5.

LOAD CASE(S) Standard



Julius Lee PE No. 34869
 MiTek Inc. DBA MiTek USA FL Cert 6634
 16023 Swingley Ridge Rd. Chesterfield, MO 63017
 Date:

December 18, 2025

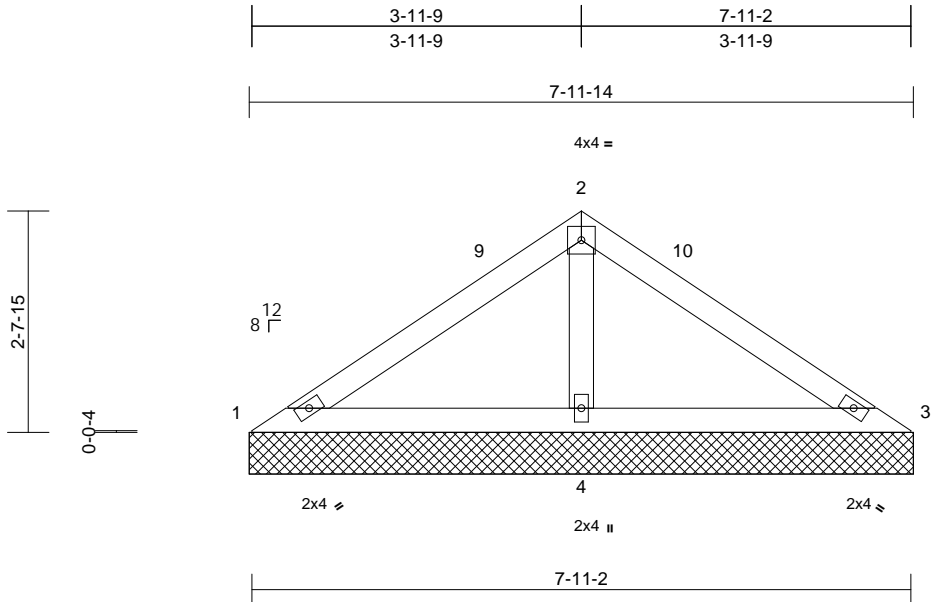
<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.</p> <p>Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. 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)</p>	<p>16023 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200 / MiTek-US.com</p>
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Job 2097-A	Truss V4	Truss Type Valley	Qty 1	Ply 1	Chittum & Godden Residence Job Reference (optional) T39565918
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19 Lumber, Inc., Old Town, FL - 32680,

Run: 9.13 S 8.83 Sep 3 2025 Print: 8.830 S Sep 3 2025 MiTek Industries, Inc. Wed Dec 17 08:19:15
ID:Fba3AkNOM6ayjug7VxFDJKyHb80-RFC?PsB70Hq3NSgPqnL8w3uITXbGKWRcDoi7J4zJC?f

Page: 1



Scale = 1:27.7

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.18	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.20	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.06	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MP							Weight: 27 lb	FT = 20%

- LUMBER**
- TOP CHORD 2x4 SP No.2
 - BOT CHORD 2x4 SP No.2
 - OTHERS 2x4 SP No.2
- BRACING**
- TOP CHORD Structural wood sheathing directly applied or 7-11-2 oc purlins.
 - BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
- REACTIONS** (size)
- 1=7-11-14, 3=7-11-14, 4=7-11-14
 - Max Horiz 1=-61 (LC 8)
 - Max Uplift 1=-14 (LC 26), 3=-15 (LC 8), 4=-106 (LC 12)
 - Max Grav 1=66 (LC 25), 3=66 (LC 26), 4=571 (LC 1)
- FORCES** (lb) - Maximum Compression/Maximum Tension
- TOP CHORD 1-2=-153/257, 2-3=-165/257
 - BOT CHORD 1-4=-207/236, 3-4=-207/236
 - WEBS 2-4=-415/304

- 5) Gable requires continuous bottom chord bearing.
 - 6) Gable studs spaced at 4-0-0 oc.
 - 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 14 lb uplift at joint 1, 15 lb uplift at joint 3 and 106 lb uplift at joint 4.
 - 10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 1, 3.
- LOAD CASE(S)** Standard

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 0-0-0 to 3-0-0, Zone1 3-0-0 to 3-11-15, Zone3 3-11-15 to 7-11-14 zone; cantilever left and right exposed ; 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.



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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

December 18, 2025

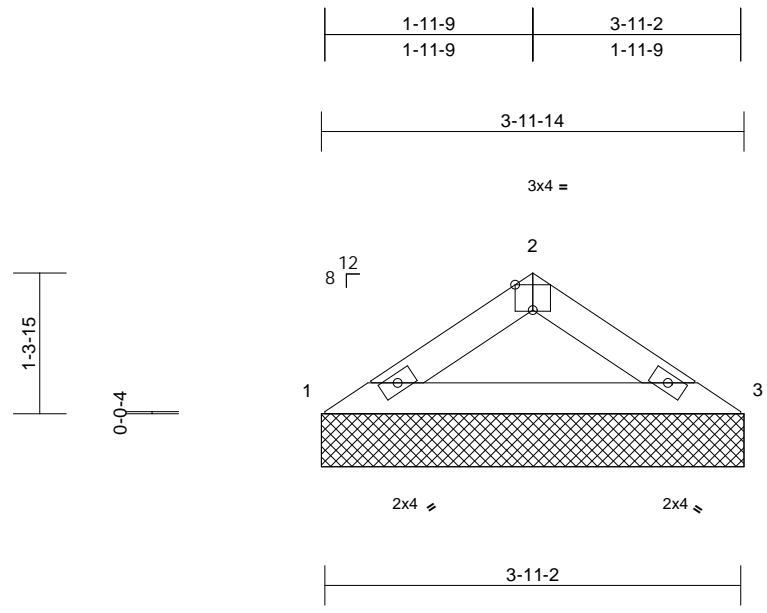
<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.</p> <p>Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. 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)</p>	<p>16023 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200 / MiTek-US.com</p>
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Job 2097-A	Truss V5	Truss Type Valley	Qty 1	Ply 1	Chittum & Godden Residence Job Reference (optional)	T39565919
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19 Lumber, Inc., Old Town, FL - 32680,

Run: 9.13 S 8.83 Sep 3 2025 Print: 8.830 S Sep 3 2025 MiTek Industries, Inc. Wed Dec 17 08:19:15
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Page: 1



Scale = 1:21.8

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.11	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.09	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MP							Weight: 11 lb	FT = 20%

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

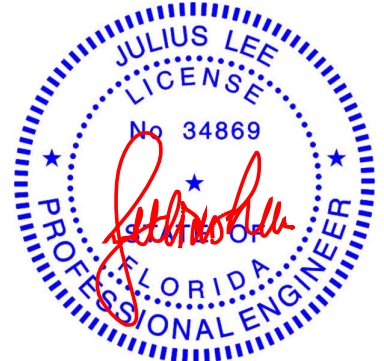
BRACING
 TOP CHORD Structural wood sheathing directly applied or 3-11-2 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 1=3-11-14, 3=3-11-14
 Max Horiz 1=-29 (LC 8)
 Max Uplift 1=-26 (LC 12), 3=-26 (LC 13)
 Max Grav 1=160 (LC 1), 3=160 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-243/169, 2-3=-243/169
 BOT CHORD 1-3=-125/199

- 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 26 lb uplift at joint 1 and 26 lb uplift at joint 3.
 - 10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 1, 3.
- LOAD CASE(S)** Standard

- 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=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 zone; cantilever left and right exposed; 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) Gable requires continuous bottom chord bearing.
 - 6) Gable studs spaced at 4-0-0 oc.
 - 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.



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 16023 Swingley Ridge Rd. Chesterfield, MO 63017
 Date:

December 18, 2025

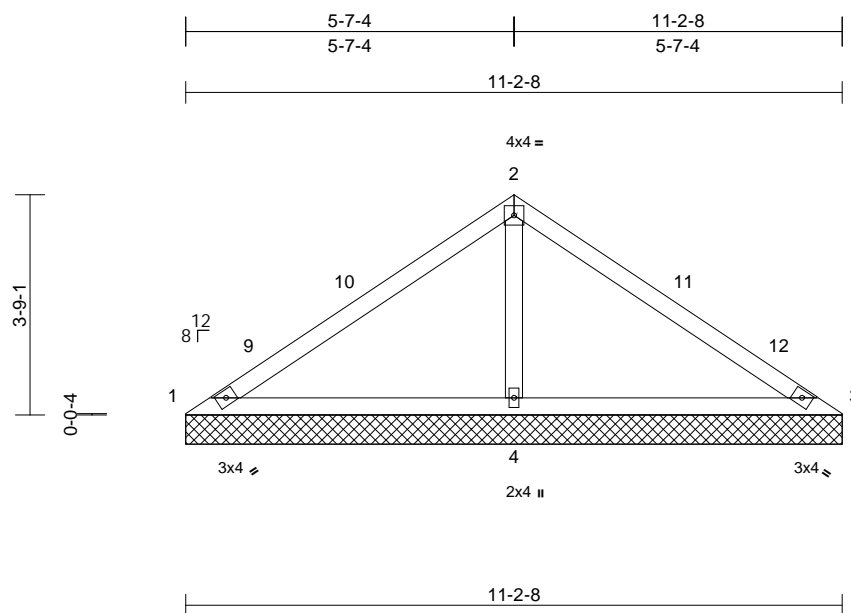
<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.</p> <p>Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. 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)</p>	<p>16023 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200 / MiTek-US.com</p>
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Job 2097-A	Truss V6	Truss Type Valley	Qty 1	Ply 1	Chittum & Godden Residence Job Reference (optional) T39565920
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19 Lumber, Inc., Old Town, FL - 32680,

Run: 9.13 S 8.83 Sep 3 2025 Print: 8.830 S Sep 3 2025 MiTek Industries, Inc. Wed Dec 17 08:19:16
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Page: 1

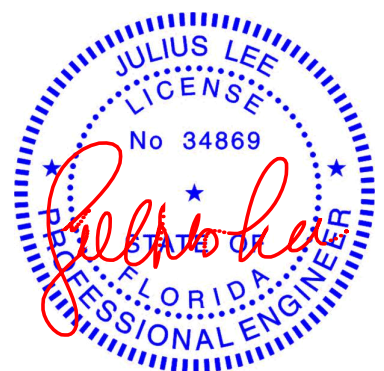


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Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.35	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.30	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.15	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 40 lb	FT = 20%

- LUMBER**
- TOP CHORD 2x4 SP No.2
 - BOT CHORD 2x4 SP No.2
 - OTHERS 2x4 SP No.2
- BRACING**
- TOP CHORD Structural wood sheathing directly applied or 10-0-0 oc purlins.
 - BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
- REACTIONS** (size) 1=11-2-8, 3=11-2-8, 4=11-2-8
- Max Horiz 1=-89 (LC 10)
 - Max Uplift 1=-49 (LC 26), 3=-49 (LC 25), 4=-170 (LC 12)
 - Max Grav 1=63 (LC 25), 3=63 (LC 26), 4=879 (LC 1)
- FORCES** (lb) - Maximum Compression/Maximum Tension
- TOP CHORD 1-2=-192/432, 2-3=-194/432
 - BOT CHORD 1-4=-307/246, 3-4=-307/246
 - WEBS 2-4=-689/364

- 5) Gable requires continuous bottom chord bearing.
 - 6) Gable studs spaced at 4-0-0 oc.
 - 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 49 lb uplift at joint 1, 49 lb uplift at joint 3 and 170 lb uplift at joint 4.
- LOAD CASE(S)** Standard



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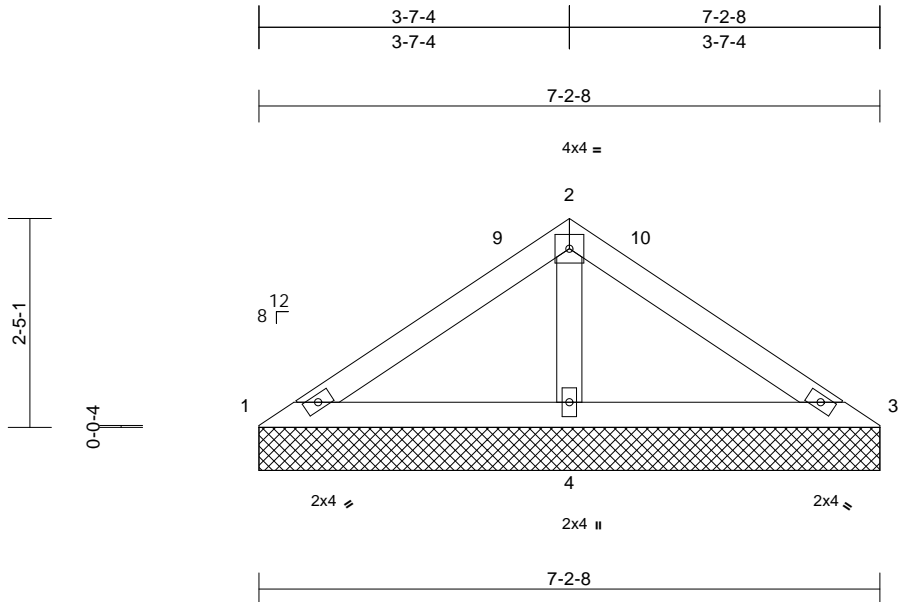
Job 2097-A	Truss V7	Truss Type Valley	Qty 1	Ply 1	Chittum & Godden Residence Job Reference (optional) T39565921
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19 Lumber, Inc., Old Town, FL - 32680,

Run: 9.13 S 8.83 Sep 3 2025 Print: 8.830 S Sep 3 2025 MiTek Industries, Inc. Wed Dec 17 08:19:16

Page: 1

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Scale = 1:26.8

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.14	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.17	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.05	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MP							Weight: 25 lb	FT = 20%

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

- BRACING**
- TOP CHORD Structural wood sheathing directly applied or 7-2-8 oc purlins.
 - BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

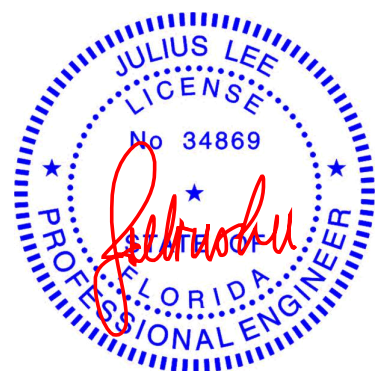
- REACTIONS** (size) 1=7-2-8, 3=7-2-8, 4=7-2-8
- Max Horiz 1=56 (LC 9)
 - Max Uplift 1=-3 (LC 26), 3=-12 (LC 8), 4=-88 (LC 12)
 - Max Grav 1=69 (LC 25), 3=69 (LC 26), 4=490 (LC 1)

- FORCES** (lb) - Maximum Compression/Maximum Tension
- TOP CHORD 1-2=-122/206, 2-3=-130/206
 - BOT CHORD 1-4=-168/202, 3-4=-168/202
 - WEBS 2-4=-344/264

- 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=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 0-0-6 to 3-0-6, Zone1 3-0-6 to 3-7-10, Zone3 3-7-10 to 7-2-14 zone; cantilever left and right exposed ; 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) Gable requires continuous bottom chord bearing.

- 6) Gable studs spaced at 4-0-0 oc.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 3 lb uplift at joint 1, 12 lb uplift at joint 3 and 88 lb uplift at joint 4.

LOAD CASE(S) Standard



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Date:

December 18,2025

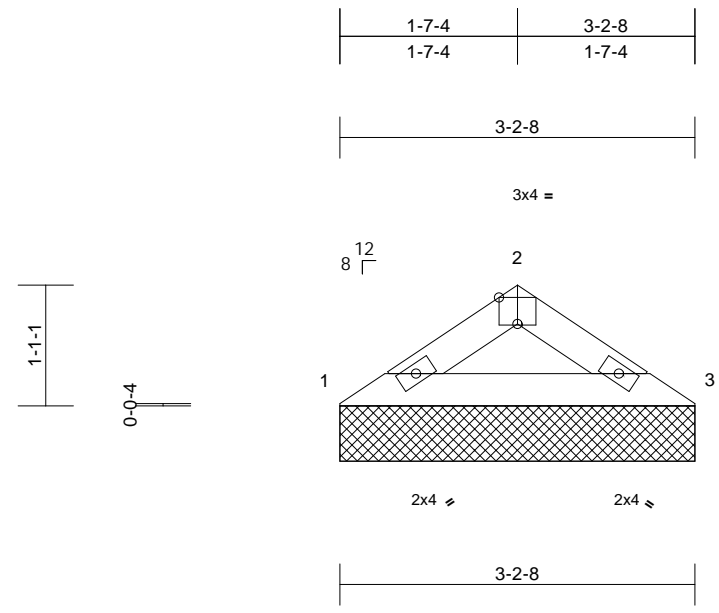
<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.</p> <p>Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. 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.sbcscomponents.com)</p>	<p>16023 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200 / MiTek-US.com</p>
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Job 2097-A	Truss V8	Truss Type Valley	Qty 1	Ply 1	Chittum & Godden Residence Job Reference (optional) T39565922
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19 Lumber, Inc., Old Town, FL - 32680,

Run: 9.13 S 8.83 Sep 3 2025 Print: 8.830 S Sep 3 2025 MiTek Industries, Inc. Wed Dec 17 08:19:16
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Page: 1



Scale = 1:20.8

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.07	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.07	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MP							Weight: 9 lb	FT = 20%

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

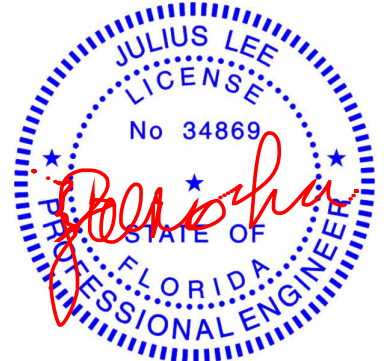
BRACING
 TOP CHORD Structural wood sheathing directly applied or 3-2-8 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 1=3-2-8, 3=3-2-8
 Max Horiz 1=-23 (LC 8)
 Max Uplift 1=-21 (LC 12), 3=-21 (LC 13)
 Max Grav 1=128 (LC 1), 3=128 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-184/128, 2-3=-184/128
 BOT CHORD 1-3=-90/149

- 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 21 lb uplift at joint 1 and 21 lb uplift at joint 3.
- LOAD CASE(S)** Standard

- 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=5.0psf; BC DL=5.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 zone; cantilever left and right exposed; 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) Gable requires continuous bottom chord bearing.
 - 6) Gable studs spaced at 4-0-0 oc.
 - 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.



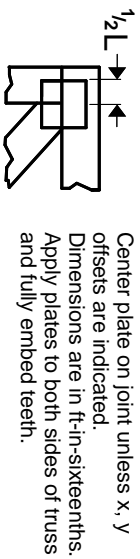
Julius Lee PE No. 34869
 MiTek Inc. DBA MiTek USA FL Cert 6634
 16023 Swingley Ridge Rd. Chesterfield, MO 63017
 Date:

December 18, 2025

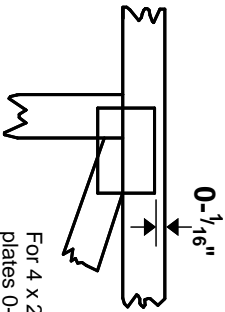
<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.</p> <p>Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. 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)</p>	<p>16023 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200 / MiTek-US.com</p>
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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

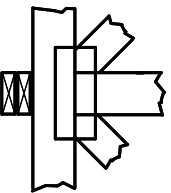
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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

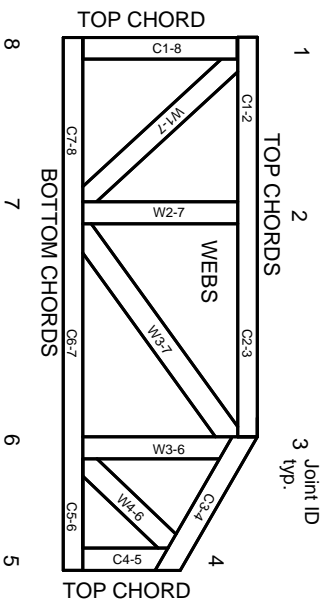


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number/letter where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/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-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/TP1 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/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.

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MITtek Engineering Reference Sheet: Mill-7473 rev. 1/2/2023

APPROVED