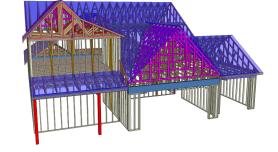


Carter Sanford Component Plant 298 Harvey Faulk Rd Sanford, NC 27332

Phone #:919-775-1450

**Builder:** HH Hunt Homes Raleigh

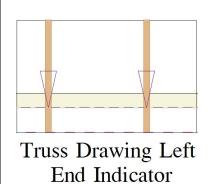
Model: Maxwekk FA 3CG SP BR4 FE



### THE PLACEMENT PLAN NOTES:

- 1. The Placement Plan is a diagram for truss installation. It is not an engineered drawing and has not been reviewed by an engineer. The Owner/Building Designer is responsible for obtaining an engineer's review if one is required by the local jurisdiction.
- 2. The responsibilities of the Owner, Contractor, Building Designer, Component Designer and Component Manufacturer shall be as set forth in ANSI/TPI 1. Capitalized terms shall be as defined in ANSI/TP 1 unless otherwise indicated.
- 3. Each Component is designed as an individual component utilizing information provided by others. The Owner/Building Designer is responsible for reviewing all Component Submittal Packages and individual Component Design Drawings for compliance with the Construction Documents and compatibility with the overall Building design.
- 4. Contractor will not proceed with component installation until the Owner/Building Designer has reviewed the Component Submittal Package. Questions on the suitability of any Component will be resolved by the Building Designer.
- 5. The Building Designer and Contractor are responsible for all temporary and permanent bracing.
- 6. The Placement Plan assumes the building is dimensionally correct, structurally sound, and in a suitable condition to support each Component during installation and thereafter, including but not limited to installation of all bearing points. Proper design and construction of all structural components, including foundations, headers, beams, walls and columns are the responsibility of the Owner, Building Designer and Contractor.
- 7. Do not cut, drill, or modify any Component without first consulting the Component Manufacturer or Building Designer. Damaged Components shall not be installed unless directed by the Building Designer or approved by the Component Manufacturer.
- 8. Components must be handled and installed following all applicable safety standards and best practices, including but not limited to BCSI, OSHA, TPI and local codes. Failure to properly handle, brace or otherwise install Component can result in serious injury or death.
- 9. All uplift connectors shown within these documents are recommendations only. Per ANSI/TPI 1, all uplift connectors are the responsibility of the building designer and or contractor.

Approved By:	Date:
--------------	-------



GIRDERS MUST BE FULLY CONNECTED TOGETHER PRIOR TO ADDING ANY LOADS.

\*\* DIMENSIONS ARE READ AS: FOOT-INCH-SIXTEENTH.

\*\* All uplift connectors shown within these documents are recommendations only. Per ANSI/TPI 1, all uplift connectors are the responsibilty of the bldg designer and or contractor.

Thomas Poirier
Project Number:
25040237-A 4/30/2025

HH Hunt Homes Raleigh Durham **LOT #2 OAK MEADOWS Maxwell FA** 

**ROOF PLACEMENT PLAN** 



THIS IS A TRUSS PLACEMENT DIAGRAM ONLY. These trusses are designed as individual components to be incorporated into the building design at the specification of the building designer. See Individual design sheets for each truss design identified on the placement drawing. The building designer is responsible for temporary and permanent bracing of the roof and floor systems and for the overall structure. The disign of the tuss support structure including headers, beams, walls, and columns is the responsibility of the building designer. For general guidance regarding the bracing, consult "Bracing of Wood Truss" available from the Truss Plate Institute, 583 D'Onifrio Drive: Madison, WI 53179

Name	00/00/00
Name	00/00/00
Revisions	Revi



Trenco 818 Soundside Rd Edenton, NC 27932

Re: 25040237-A

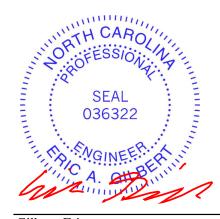
Install 2 Oak Meadow-Roof-Maxwell FA 3CG SP BR4 FE GRH

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by Carter Components (Chesapeake, VA).

Pages or sheets covered by this seal: I73125309 thru I73125343

My license renewal date for the state of North Carolina is December 31, 2025.

North Carolina COA: C-0844



May 1,2025

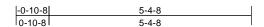
Gilbert, Eric

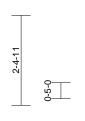
**IMPORTANT NOTE:** The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes),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

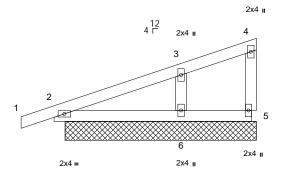
Job	Truss	Truss Type	Qty	Ply	Install 2 Oak Meadow-Roof-Maxwell FA 3CG SP BR4 FE
25040237-A	J02	Monopitch Supported Gable	1	1	Job Reference (optional)

Run: 8 73 S. Feb 19 2025 Print: 8 730 S. Feb 19 2025 MiTek Industries. Inc. Wed Apr 30 06:59:54 ID:NxA36DnpcSiPmPZscvprYlzsOdw-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 1









Scale = 1:30.6

Loading	(psf)	Spacing	1-11-4	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.15	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.11	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 22 lb	FT = 20%

### LUMBER

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

### **BRACING**

BOT CHORD

TOP CHORD Structural wood sheathing directly applied or

5-4-8 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc

bracing.

REACTIONS (size) 2=5-1-0, 5=5-1-0, 6=5-1-0

Max Horiz 2=76 (LC 13)

Max Uplift 2=-42 (LC 10), 5=-5 (LC 11), 6=-55

(LC 14)

2=233 (LC 21), 5=43 (LC 21), Max Grav

6=351 (LC 21)

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

Tension

1-2=0/24, 2-3=-69/77, 3-4=-41/39, 4-5=-43/34 TOP CHORD

**BOT CHORD** 2-6=-23/73, 5-6=-23/42 **WEBS** 

3-6=-261/254

### NOTES

- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Corner(3E) 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.
- TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10

- 4) Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 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.
- One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 5, 2, and 6. This connection is for uplift only and does not consider lateral forces.
- 10) Non Standard bearing condition. Review required.
- 11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



May 1,2025

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

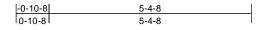
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall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

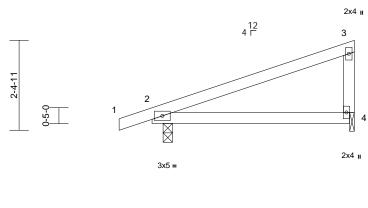


Job	Truss	Truss Type	Qty	Ply	Install 2 Oak Meadow-Roof-Maxwell FA 3CG SP BR4 FE
25040237-A	J01	Monopitch	8	1	Job Reference (optional)

Run: 8.73 S Feb 19 2025 Print: 8.730 S Feb 19 2025 MiTek Industries, Inc. Wed Apr 30 06:59:54 ID: dgDT? IuTUDq7LolbeITyPezsOdn-RfC? PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC? for the property of the propert

Page: 1





5-3-0 4-11-8

Scale = 1:30.6

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.58	Vert(LL)	0.08	4-7	>784	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.42	Vert(CT)	-0.10	4-7	>636	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.01	2	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0			1							Weight: 20 lb	FT = 20%

### LUMBER

TOP CHORD 2x4 SP No.2 **BOT CHORD** 2x4 SP No.2 2x4 SP No.3 WFBS

### **BRACING**

TOP CHORD Structural wood sheathing directly applied or 5-4-8 oc purlins, except end verticals.

**BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc

bracing.

REACTIONS (size) 2=0-3-0, 4=0-1-8

Max Horiz 2=78 (LC 13)

Max Uplift 2=-108 (LC 10), 4=-82 (LC 10)

Max Grav 2=369 (LC 21), 4=278 (LC 21)

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

TOP CHORD 1-2=0/25, 2-3=-73/62, 3-4=-199/163

BOT CHORD 2-4=-74/95

### NOTES

- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) zone; cantilever left and right exposed; end vertical left and right exposed; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

- \* This truss has been designed for a live load of 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.
- Bearings are assumed to be: , Joint 4 SP No.3 .
- Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
- 10) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 4. This connection is for uplift only and does not consider lateral forces.
- 11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

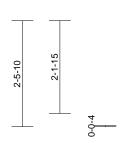
LOAD CASE(S) Standard

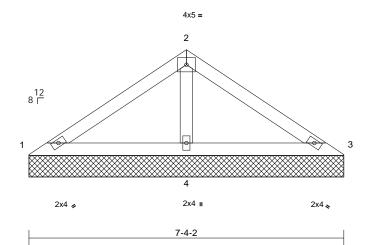


Job	Truss	Truss Type	Qty	Ply	Install 2 Oak Meadow-Roof-Maxwell FA 3CG SP BR4 FE
25040237-A	V3A	Valley	1	1	I73125311 Job Reference (optional)

Run: 8 73 S. Feb 19 2025 Print: 8 730 S. Feb 19 2025 MiTek Industries. Inc. Wed Apr 30 06:59:56 ID:ET4S8qMMi0VnmgGQuuDxRazsOh2-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f Page: 1







Scale = 1:26.9

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.26	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.13	Horiz(TL)	0.00	9	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 25 lb	FT = 20%

### LUMBER

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

### **BRACING**

Structural wood sheathing directly applied or TOP CHORD

7-4-2 oc purlins.

**BOT CHORD** Rigid ceiling directly applied or 6-0-0 oc

bracing.

REACTIONS (size) 1=7-4-2, 3=7-4-2, 4=7-4-2

Max Horiz 1=54 (LC 13)

Max Unlift 1=-118 (LC 21), 3=-1 (LC 15),

4=-53 (LC 15) 1=116 (LC 20), 3=2 (LC 21), 4=731 Max Grav

(LC 21)

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

Tension

TOP CHORD 1-2=-118/420, 2-3=-153/461 BOT CHORD

1-4=-339/137, 3-4=-357/148

WFBS 2-4=-608/178

### NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-6 to 3-0-6, Exterior(2R) 3-0-6 to 4-4-8, Exterior(2E) 4-4-8 to 7-4-8 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.

- TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

  \* This truss has been designed for a live load of 20.0psf
- on the bottom chord in all areas where a rectangle 3-06-00 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 118 lb uplift at joint 1, 1 lb uplift at joint 3, 53 lb uplift at joint 4 and 1 lb uplift
- 11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



May 1,2025

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.sbcacomponents.com)

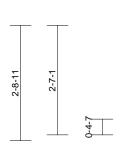


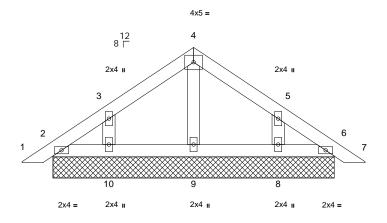
Job	Truss	Truss Type	Qty	Ply	Install 2 Oak Meadow-Roof-Maxwell FA 3CG SP BR4 FE
25040237-A	PB2	Piggyback	1	1	I73125312 Job Reference (optional)

Run: 8.73 S Feb 19 2025 Print: 8.730 S Feb 19 2025 MiTek Industries, Inc. Wed Apr 30 06:59:54 ID:GRu8OmdfgT3FiP3MLg4oW0zsOe7-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 1

-0-8-12			
	3-3-14	6-7-12	7-4-8
0-8-12	3-3-14	3-3-14	0-8-12





6-7-12

Scale = 1:27.2

Loading	(psf)	Spacing	1-11-4	csı		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.03	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	15	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 29 lb	FT = 20%

### LUMBER

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

### **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=6-7-12, 6=6-7-12, 8=6-7-12, 9=6-7-12, 10=6-7-12

Max Horiz 2=-58 (LC 12)

Max Uplift 2=-6 (LC 15), 8=-61 (LC 15),

10=-62 (LC 14)

Max Grav 2=109 (LC 21), 6=109 (LC 22),

8=223 (LC 22), 9=122 (LC 21),

10=223 (LC 21)

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

Tension

1-2=0/25, 2-3=-42/42, 3-4=-79/68,

TOP CHORD

4-5=-79/68, 5-6=-28/27, 6-7=0/25 **BOT CHORD** 2-10=-16/54, 9-10=-16/54, 8-9=-16/54,

6-8=-16/54

4-9=-81/0, 3-10=-192/127, 5-8=-192/127

### WEBS NOTES

- Unbalanced roof live loads have been considered for 1) this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-3-5 to 3-3-5, Exterior(2R) 3-3-5 to 4-10-11, Exterior(2E) 4-10-11 to 7-10-11 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.
- TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00: Ct=1.10
- Unbalanced snow loads have been considered for this 5) design.
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 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) N/A
- 12) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 13) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard



May 1,2025

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/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.sbcacomponents.com)

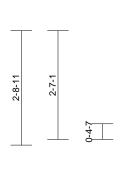


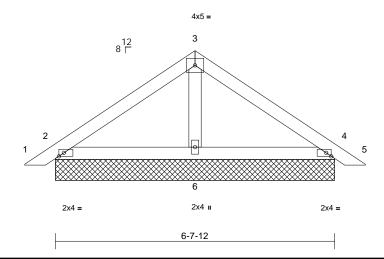
Job	Truss	Truss Type	Qty	Ply	Install 2 Oak Meadow-Roof-Maxwell FA 3CG SP BR4 FE
25040237-A	PB1	Piggyback	8	1	I73125313 Job Reference (optional)

Run: 8.73 S Feb 19 2025 Print: 8.730 S Feb 19 2025 MiTek Industries, Inc. Wed Apr 30 06:59:54 ID:g0ZH0ofYzORqZtox1odV8ezsOe4-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 1

-0-8-12			
	3-3-14	6-7-12	7-4-8
0-8-12	3-3-14	3-3-14	0-8-12





Scale = 1:27.4

Plate Offsets (X, Y): [2:0-1-7,Edge], [4:0-1-7,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.21	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.22	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 27 lb	FT = 20%

### LUMBER

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

### BRACING

TOP CHORD Structural wood sheathing directly applied or

6-0-0 oc purlins.

**BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc

bracing.

REACTIONS (size) 2=6-7-12, 4=6-7-12, 6=6-7-12

Max Horiz 2=-60 (LC 12)

Max Uplift 2=-35 (LC 14), 4=-43 (LC 15) Max Grav 2=262 (LC 21), 4=262 (LC 22),

6=236 (LC 21)

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

Tension

TOP CHORD 1-2=0/26, 2-3=-148/86, 3-4=-148/86,

4-5=0/26

**BOT CHORD** 2-6=-18/61, 4-6=-7/61

WEBS 3-6=-100/16

### NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-3-5 to 3-3-5, Exterior(2R) 3-3-5 to 4-10-11, Exterior(2E) 4-10-11 to 7-10-11 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.

- 4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00: Ct=1.10
- 5) Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 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) N/A
- 12) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 13) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard



May 1,2025

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

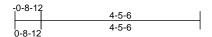
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall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



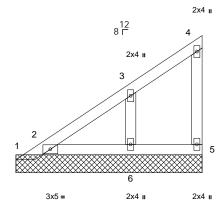
Job	Truss	Truss Type	Qty	Ply	Install 2 Oak Meadow-Roof-Maxwell FA 3CG SP BR4 FE
25040237-A	PB4	Piggyback	1	1	I73125314 Job Reference (optional)

Run: 8.73 S Feb 19 2025 Print: 8.730 S Feb 19 2025 MiTek Industries, Inc. Wed Apr 30 06:59:55 ID:4Kj\_40UmG4gpujjFCsNDZhzsOel-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 1







4-5-6

Scale = 1:32.2

Loading	(psf)	Spacing	1-11-4	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.20	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.33	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.07	Horiz(TL)	0.00	5	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 22 lb	FT = 20%

### LUMBER

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

### **BRACING**

TOP CHORD Structural wood sheathing directly applied or

> 5-2-8 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc

BOT CHORD bracing.

REACTIONS (size)

1=5-2-8, 2=5-2-8, 5=5-2-8, 6=5-2-8

Max Horiz 1=107 (LC 11) Max Uplift 1=-163 (LC 7), 2=-2 (LC 14), 6=-52

(LC 14)

1=36 (LC 11), 2=366 (LC 21), Max Grav

5=126 (LC 7), 6=298 (LC 21)

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

Tension 1-2=-156/312, 2-3=-112/153, 3-4=-69/82,

TOP CHORD 4-5=-79/28

BOT CHORD 2-6=-95/66 5-6=-36/66

WFBS 3-6=-240/228

### NOTES

- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Corner(3E) 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.
- TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00: Ct=1.10

- Unbalanced snow loads have been considered for this 4) design.
- Gable requires continuous bottom chord bearing.
- 6) Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Bearing at joint(s) 2, 1, 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 2 lb uplift at joint 2, 163 lb uplift at joint 1, 52 lb uplift at joint 6 and 2 lb uplift at joint 2.
- 11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 12) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard



May 1,2025

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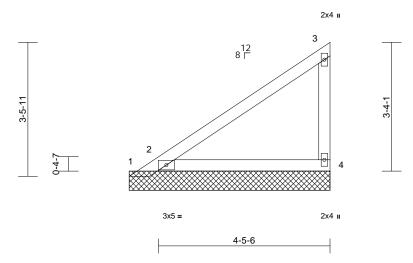


Job	Truss	Truss Type	Qty	Ply	Install 2 Oak Meadow-Roof-Maxwell FA 3CG SP BR4 FE
25040237-A	PB3	Piggyback	10	1	Job Reference (optional)

Run: 8 73 S. Feb 19 2025 Print: 8 730 S. Feb 19 2025 MiTek Industries. Inc. Wed Apr 30 06:59:55 ID:RHWt7jYv4dJ5\_UcC?PzOGlzsOeD-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 1





Scale = 1:29.9

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.57	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.13	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.00	4	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 20 lb	FT = 20%

### LUMBER

TOP CHORD 2x4 SP No.2 **BOT CHORD** 2x4 SP No.2 2x4 SP No.3 WFBS

### **BRACING**

TOP CHORD Structural wood sheathing directly applied or 5-2-8 oc purlins, except end verticals.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc

bracing.

REACTIONS 1=5-2-8, 2=5-2-8, 4=5-2-8 (size)

Max Horiz 1=110 (LC 11)

1=-479 (LC 21), 2=-179 (LC 14), Max Uplift

4=-30 (LC 14)

1=157 (LC 14), 2=864 (LC 21), Max Grav

4=206 (LC 21)

(lb) - Maximum Compression/Maximum

**FORCES** Tension

TOP CHORD 1-2=-179/375, 2-3=-165/248, 3-4=-160/62 BOT CHORD 2-4=-221/100

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 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.
- TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00: Ct=1.10
- Unbalanced snow loads have been considered for this design
- Gable requires continuous bottom chord bearing.

- Gable studs spaced at 4-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Bearing at joint(s) 2, 1, 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 479 lb uplift at joint
- 11) N/A
- 12) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 13) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard



May 1,2025

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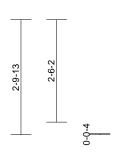


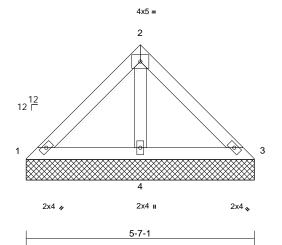
Job	Truss	Truss Type	Qty	Ply	Install 2 Oak Meadow-Roof-Maxwell FA 3CG SP BR4 FE
25040237-A	V2C	Valley	1	1	I73125316 Job Reference (optional)

Run: 8,73 S Feb 19 2025 Print: 8,730 S Feb 19 2025 MiTek Industries, Inc. Wed Apr 30 06:59:56 ID:bQuLBYQVXY83tR9NhSp68dzsOgz-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 1

2-9-9	5-3-11	5-7-1
2-9-9	2-6-2	0-3-7





Scale = 1:28.2

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.14	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.16	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.05	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 22 lb	FT = 20%

### LUMBER

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

### **BRACING**

TOP CHORD Structural wood sheathing directly applied or

5-7-1 oc purlins.

**BOT CHORD** Rigid ceiling directly applied or 6-0-0 oc

bracing.

REACTIONS (size) 1=5-7-1, 3=5-7-1, 4=5-7-1

Max Horiz 1=-61 (LC 10) Max Uplift 4=-58 (LC 14)

Max Grav 1=101 (LC 20), 3=101 (LC 21),

4=365 (LC 21)

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

Tension

TOP CHORD 1-2=-84/132, 2-3=-84/132

**BOT CHORD** 1-4=-103/127, 3-4=-103/127

**WEBS** 2-4=-272/145

### NOTES

- Unbalanced roof live loads have been considered for
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 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.
- TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10

- 5) Unbalanced snow loads have been considered for this design.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 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 58 lb uplift at joint
- 11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



May 1,2025

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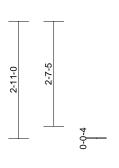


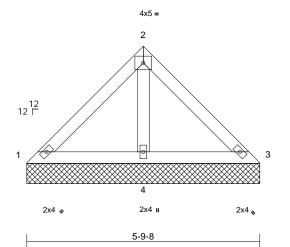
Job	Truss	Truss Type	Qty	Ply	Install 2 Oak Meadow-Roof-Maxwell FA 3CG SP BR4 FE
25040237-A	V1G	Valley	1	1	I73125317 Job Reference (optional)

Run: 8,73 S Feb 19 2025 Print: 8,730 S Feb 19 2025 MiTek Industries, Inc. Wed Apr 30 06:59:55

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Scale = 1:28.6

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.15	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.18	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.06	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 23 lb	FT = 20%

### LUMBER

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

### **BRACING**

TOP CHORD Structural wood sheathing directly applied or

5-9-8 oc purlins.

**BOT CHORD** Rigid ceiling directly applied or 6-0-0 oc

bracing.

REACTIONS (size) 1=5-9-8, 3=5-9-8, 4=5-9-8

Max Horiz 1=-64 (LC 12) Max Uplift 4=-63 (LC 14)

Max Grav 1=103 (LC 20), 3=103 (LC 21),

4=384 (LC 20)

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

Tension TOP CHORD

1-2=-84/142, 2-3=-84/142 **BOT CHORD** 

1-4=-119/82, 3-4=-119/82

**WEBS** 2-4=-300/82

### NOTES

- Unbalanced roof live loads have been considered for
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 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.
- TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10

- 5) Unbalanced snow loads have been considered for this design.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 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 63 lb uplift at joint
- 11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



May 1,2025

Page: 1

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

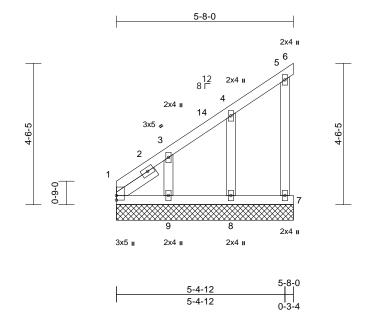
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Job	Truss	Truss Type	Qty	Ply	Install 2 Oak Meadow-Roof-Maxwell FA 3CG SP BR4 FE		
25040237-A	H01	Monopitch Supported Gable	1	1	I73125318 Job Reference (optional)		

Run: 8.73 S Feb 19 2025 Print: 8.730 S Feb 19 2025 MiTek Industries, Inc. Wed Apr 30 06:59:54 ID:OCiUh1\_Uchr\_I0M76zcqkKzsOdf-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:36.9

Loading	(psf)	Spacing	1-11-4	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.33	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.05	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.07	Horiz(TL)	0.00	6	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 33 lb	FT = 20%

### LUMBER

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

**SLIDER** Left 2x4 SP No.3 -- 1-6-0

### BRACING

**BOT CHORD** 

TOP CHORD Structural wood sheathing directly applied or 5-8-0 oc purlins, except end verticals.

Rigid ceiling directly applied or 10-0-0 oc

bracing.

**REACTIONS** (size) 1=5-8-0, 6=5-8-0, 7=5-8-0, 8=5-8-0,

9=5-8-0 Max Horiz 1=137 (LC 13)

Max Uplift 1=-29 (LC 10), 6=-13 (LC 13),

7=-22 (LC 11), 8=-48 (LC 14),

9=-92 (LC 14)

Max Grav 1=100 (LC 13), 6=11 (LC 14), 7=111 (LC 20), 8=241 (LC 20),

9=222 (LC 20)

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

Tension

TOP CHORD 1-3=-174/236, 3-4=-92/166, 4-5=-78/112,

5-6=-17/14, 5-7=-102/44 BOT CHORD 1-9=-50/90, 8-9=-50/90, 7-8=-50/90

**WEBS** 4-8=-202/154, 3-9=-189/223

### **NOTES**

Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Corner(3E) 0-0-0 to 3-0-0, Exterior(2N) 3-0-0 to 5-8-0 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

- 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00: Ct=1.10
- 4) Unbalanced snow loads have been considered for this design.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. \* This truss has been designed for a live load of 20.0psf
- on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 29 lb uplift at joint 1, 13 lb uplift at joint 6, 22 lb uplift at joint 7, 48 lb uplift at joint 8, 92 lb uplift at joint 9 and 29 lb uplift at joint 1.
- 10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



May 1,2025

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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

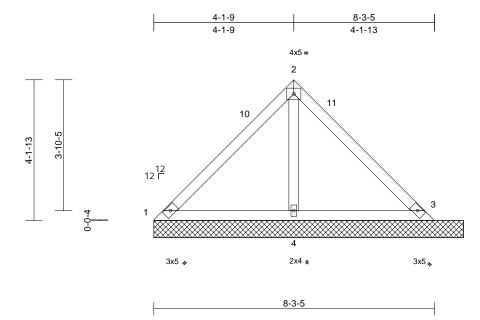
building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, 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.sbcacomponents.com)



Job	Truss	Truss Type	Qty	Ply	Install 2 Oak Meadow-Roof-Maxwell FA 3CG SP BR4 FE
25040237-A	V2B	Valley	1	1	Job Reference (optional)

Run: 8.73 E Nov 16 2023 Print: 8.730 E Nov 16 2023 MiTek Industries, Inc. Thu May 01 12:04:16 ID:Xp05cDSl39On6llmpsraD2zsOgx-cw3DQY9uW\_3Klz\_htZky3QQQ328c9LihC1lrgWzKuDz

Page: 1



Scal	e =	1:3
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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	1.15	TC	0.38	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.38	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.20	Horiz(TL)	0.00	4	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0			1							Weight: 34 lb	FT = 20%

### LUMBER

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

**BRACING** 

Structural wood sheathing directly applied or TOP CHORD

8-3-5 oc purlins.

**BOT CHORD** Rigid ceiling directly applied or 6-0-0 oc

bracing.

REACTIONS (lb/size) 1=23/9-1-9, 3=3/9-1-9, 4=609/9-1-9, 7=3/9-1-9

Max Horiz 1=92 (LC 11)

Max Uplift 1=-103 (LC 21), 3=-2 (LC 15),

4=-39 (LC 14), 7=-2 (LC 15) 1=136 (LC 20), 3=5 (LC 21), 4=775

Max Grav (LC 21), 7=5 (LC 21)

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

Tension

1-10=-113/295, 2-10=-27/319, 2-11=-19/384, TOP CHORD

3-11=-42/295

**BOT CHORD** 1-4=-209/129, 3-4=-209/129 WEBS 2-4=-624/163

### NOTES

- 1) Unbalanced roof live loads have been considered for this design
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-4 to 3-0-4, Exterior(2R) 3-0-4 to 4-11-6, Exterior(2E) 4-11-6 to 7-11-6 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.

- TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
- Unbalanced snow loads have been considered for this desian.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

  \* This truss has been designed for a live load of 20.0psf
- on the bottom chord in all areas where a rectangle 3-06-00 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 103 lb uplift at joint
- 11) n/a
- 12) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



May 1,2025

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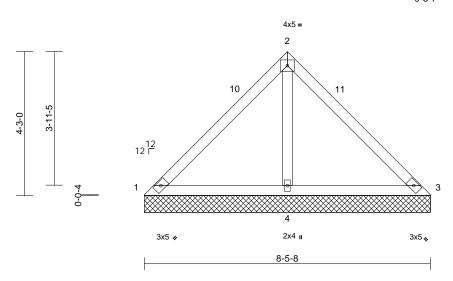
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall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



Job	Truss	Truss Type	Qty	Ply	Install 2 Oak Meadow-Roof-Maxwell FA 3CG SP BR4 FE
25040237-A	V1F	Valley	1	1	Job Reference (optional)

Run: 8,73 S Feb 19 2025 Print: 8,730 S Feb 19 2025 MiTek Industries, Inc. Wed Apr 30 06:59:55 ID:SWiS9bKewOe?Bpat8aPP4xzsMeh-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f





Scale = 1:34

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.42	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.40	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.23	Horiz(TL)	0.01	3	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 34 lb	FT = 20%

### LUMBER

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

**BRACING** 

TOP CHORD Structural wood sheathing directly applied or

8-5-8 oc purlins.

**BOT CHORD** Rigid ceiling directly applied or 6-0-0 oc

bracing.

REACTIONS (size) 1=8-5-8, 3=8-5-8, 4=8-5-8

Max Horiz 1=-95 (LC 10)

Max Uplift 1=-133 (LC 21), 3=-2 (LC 15),

4=-43 (LC 15)

1=127 (LC 20), 3=5 (LC 21), 4=852 Max Grav

(LC 21)

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

Tension

TOP CHORD 1-2=-96/368, 2-3=-233/437

1-4=-243/148, 3-4=-292/187 **BOT CHORD** 

**WEBS** 2-4=-700/184

### NOTES

- Unbalanced roof live loads have been considered for 1) this design
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-4 to 3-0-4, Exterior(2R) 3-0-4 to 5-5-12, Exterior(2É) 5-5-12 to 8-5-12 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
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable or consult qualified building designer as per ANSI/TPI 1.

- TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 oc.
- This truss has been designed for a 10.0 psf bottom
- chord live load nonconcurrent with any other live loads.

  \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 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 133 lb uplift at joint 1, 2 lb uplift at joint 3, 43 lb uplift at joint 4 and 2 lb uplift
- 11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



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May 1,2025

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Job	Truss	Truss Type	Qty	Ply	Install 2 Oak Meadow-Roof-Maxwell FA 3CG SP BR4 FE
25040237-A	G02	Common Supported Gable	1	1	Job Reference (optional)

5-11-12

Carter Components (Chesapeake), Chesapeake, VA - 23323

0-10-8

1-11-4

1.15

1 15

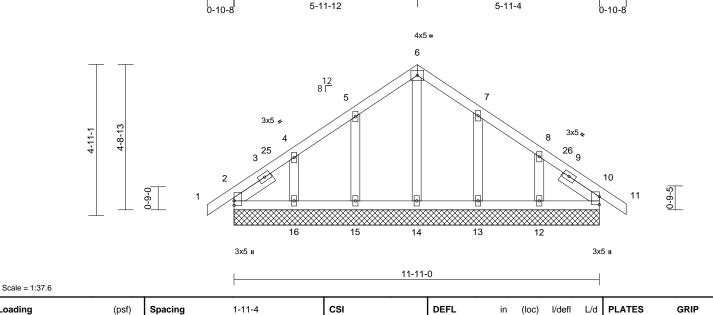
YES

IRC2018/TPI2014

Run: 8 73 S. Feb 19 2025 Print: 8 730 S. Feb 19 2025 MiTek Industries. Inc. Wed Apr 30 06:59:54 ID:CM3lx43FBXb80xpHSEjEzbzsOdZ-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

11-11-0

Page: 1



**DEFL** 

Vert(LL)

Vert(CT)

Horz(CT)

0.08

0.04

0.05

in

n/a

n/a

0.00

(loc)

10

LUMBER

Loading

TCLL (roof)

Snow (Pf)

**TCDL** 

**BCLL** 

BCDL

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

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

(psf)

20.0

20.0

10.0

0.0

10.0

-- 1-6-0

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=11-11-0, 10=11-11-0, 12=11-11-0, 13=11-11-0, 14=11-11-0, 15=11-11-0, 16=11-11-0

Plate Grip DOL

Rep Stress Incr

Lumber DOL

Code

Max Horiz 2=-104 (LC 12)

Max Uplift 2=-18 (LC 10), 10=-1 (LC 14),

12=-77 (LC 15), 13=-54 (LC 15), 15=-55 (LC 14), 16=-81 (LC 14)

Max Grav 2=144 (LC 1), 10=145 (LC 22), 12=209 (LC 22), 13=252 (LC 22) 14=131 (LC 28), 15=255 (LC 21),

16=208 (LC 21)

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

Tension TOP CHORD

1-2=0/28, 2-4=-77/68, 4-5=-81/78,

5-6=-102/155, 6-7=-101/154, 7-8=-77/80,

8-10=-44/32, 10-11=0/28

BOT CHORD 2-16=-28/88, 15-16=-28/88, 14-15=-28/88,

13-14=-28/89, 12-13=-28/89, 10-12=-28/89 WEBS 6-14=-95/7, 5-15=-217/114, 4-16=-166/128,

7-13=-214/112, 8-12=-168/130

### NOTES

Unbalanced roof live loads have been considered for this design.

Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Corner(3E) -0-10-8 to 1-11-8, Exterior(2N) 1-11-8 to 2-11-12, Corner(3R) 2-11-12 to 8-11-12, Exterior(2N) 8-11-12 to 9-9-8, Corner(3E) 9-9-8 to 12-9-8 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

CSI

TC

BC

WB

Matrix-MSH

- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable or consult qualified building designer as per ANSI/TPI 1.
- TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- All plates are 2x4 MT20 unless otherwise indicated
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 11) \* 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.
- 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 18 lb uplift at joint 2, 1 lb uplift at joint 10, 55 lb uplift at joint 15, 81 lb uplift at joint 16, 54 lb uplift at joint 13, 77 lb uplift at joint 12, 18 lb uplift at joint 2 and 1 lb uplift at joint 10.

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

Weight: 66 lb

**PLATES** 

MT20

GRIP

244/190

FT = 20%

LOAD CASE(S) Standard

I/defI

n/a 999

n/a 999

n/a n/a

L/d



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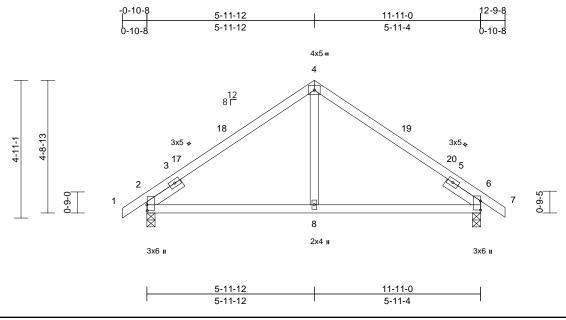
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Job	Truss	Truss Type	Qty	Ply	Install 2 Oak Meadow-Roof-Maxwell FA 3CG SP BR4 FE
25040237-A	G01	Common	4	1	Job Reference (optional)

Run: 8.73 S Feb 19 2025 Print: 8.730 S Feb 19 2025 MiTek Industries, Inc. Wed Apr 30 06:59:54 ID:R569q9Au4lksbK??UdNLrVzsOdQ-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:41.1

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.67	Vert(LL)	-0.06	8-11	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.46	Vert(CT)	-0.09	8-11	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.03	2	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 53 lb	FT = 20%

### LUMBER

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

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

BRACING

TOP CHORD Structural wood sheathing directly applied or

5-9-13 oc purlins.

**BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc

bracing.

REACTIONS (size) 2=0-3-8. 6=0-3-8

Max Horiz 2=-107 (LC 12)

Max Uplift 2=-57 (LC 14), 6=-56 (LC 15)

Max Grav 2=620 (LC 21), 6=620 (LC 22)

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

Tension

TOP CHORD 1-2=0/29, 2-4=-593/279, 4-6=-592/279,

6-7=0/29

**BOT CHORD** 2-8=-164/388, 6-8=-113/388

**WEBS** 4-8=-133/257

### **NOTES**

- Unbalanced roof live loads have been considered for 1) this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -0-10-8 to 2-1-8, Interior (1) 2-1-8 to 2-11-12, Exterior(2R) 2-11-12 to 8-11-12, Interior (1) 8-11-12 to 9-9-8, Exterior(2E) 9-9-8 to 12-9-8 zone; cantilever left and right exposed; end vertical left and right exposed; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

- 3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00: Ct=1.10
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 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.
- One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 6. This connection is for uplift only and does not consider lateral forces.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



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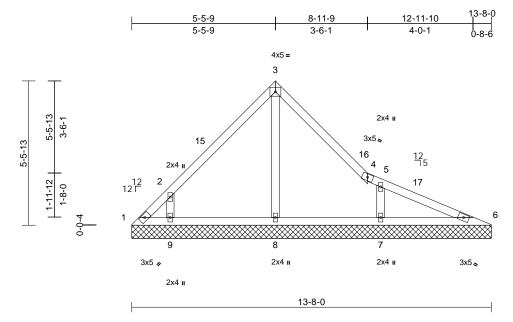
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building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property 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.sbcacomponents.com)



Job	Truss	Truss Type	Qty	Ply	Install 2 Oak Meadow-Roof-Maxwell FA 3CG SP BR4 FE
25040237-A	V2A	Valley	1	1	Job Reference (optional)

Run: 8.73 S Feb 19 2025 Print: 8.730 S Feb 19 2025 MiTek Industries, Inc. Wed Apr 30 06:59:56 ID:xOhEEFUeM4mMzD1LU?PHrhzsOgu-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:43.8

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.43	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.38	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.55	Horiz(TL)	-0.02	6	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 56 lb	FT = 20%

### LUMBER

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

### **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=13-8-0, 6=13-8-0, 7=13-8-0,

8=13-8-0, 9=13-8-0 Max Horiz 1=-130 (LC 10)

1=-394 (LC 42), 6=-3 (LC 42), Max Uplift

7=-126 (LC 15), 9=-178 (LC 14)

1=106 (LC 11), 6=0 (LC 11), 7=313 Max Grav (LC 21), 8=1099 (LC 42), 9=411

(LC 20)

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

TOP CHORD 1-2=-219/719, 2-3=-73/733, 3-4=-10/707, 4-5=-7/615, 5-6=-115/590

**BOT CHORD** 1-9=-499/126, 8-9=-499/119, 7-8=-499/119,

6-7=-508/120

3-8=-1063/74, 2-9=-452/355, 5-7=-193/218

### WEBS NOTES

- Unbalanced roof live loads have been considered for 1) this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-4 to 3-0-4, Exterior(2R) 3-0-4 to 8-5-13, Interior (1) 8-5-13 to 10-8-4, Exterior(2E) 10-8-4 to 13-8-4 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.
- TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00: Ct=1.10
- Unbalanced snow loads have been considered for this 5) design.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 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 394 lb uplift at joint 1, 3 lb uplift at joint 6, 178 lb uplift at joint 9, 126 lb uplift at joint 7 and 3 lb uplift at joint 6.
- 11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



May 1,2025

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

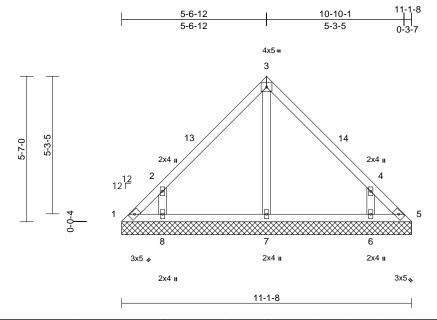
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall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



Job	Truss	Truss Type	Qty	Ply	Install 2 Oak Meadow-Roof-Maxwell FA 3CG SP BR4 FE
25040237-A	V1E	Valley	1	1	Job Reference (optional)

Run: 8.73 S Feb 19 2025 Print: 8.730 S Feb 19 2025 MiTek Industries, Inc. Wed Apr 30 06:59:55 ID:ump\_fxVuti04CWBjbQRlw6zsOgs-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f





Scale = 1:44.2

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.33	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.12	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.09	Horiz(TL)	0.00	5	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 49 lb	FT = 20%

### LUMBER

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

### **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=11-1-8, 5=11-1-8, 6=11-1-8, 7=11-1-8, 8=11-1-8

Max Horiz 1=-126 (LC 10)

Max Uplift 1=-63 (LC 12), 5=-31 (LC 13),

6=-169 (LC 15), 8=-175 (LC 14) 1=99 (LC 14), 5=78 (LC 15), 6=461

Max Grav

(LC 21), 7=235 (LC 20), 8=461 (LC

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

TOP CHORD

1-2=-172/127, 2-3=-258/130, 3-4=-258/130, 4-5=-147/92

**BOT CHORD** 

1-8=-44/88, 7-8=-36/88, 6-7=-36/88,

5-6=-47/89 WEBS

3-7=-146/0, 2-8=-458/312, 4-6=-458/312

### NOTES

- Unbalanced roof live loads have been considered for 1) this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-4 to 3-0-4, Exterior(2R) 3-0-4 to 8-1-12, Exterior(2E) 8-1-12 to 11-1-12 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.
- TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00: Ct=1.10
- Unbalanced snow loads have been considered for this 5) design.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 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 63 lb uplift at joint 1, 31 lb uplift at joint 5, 175 lb uplift at joint 8 and 169 lb uplift at joint 6.
- 11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

### LOAD CASE(S) Standard



May 1,2025

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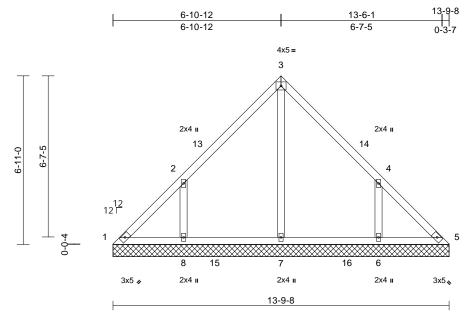
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Job	Truss	Truss Type	Qty	Ply	Install 2 Oak Meadow-Roof-Maxwell FA 3CG SP BR4 FE
25040237-A	V1D	Valley	1	1	Job Reference (optional)

Run: 8.73 S Feb 19 2025 Print: 8.730 S Feb 19 2025 MiTek Industries, Inc. Wed Apr 30 06:59:55 ID: q9xl4cX8PJGoSqL6jqTD?XzsOgq-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?ff

Page: 1



Scale = 1:47.3

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.35	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.17	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.16	Horiz(TL)	0.00	5	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 65 lb	FT = 20%

### LUMBER

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

### **BRACING**

TOP CHORD Structural wood sheathing directly applied or

6-0-0 oc purlins.

**BOT CHORD** Rigid ceiling directly applied or 6-0-0 oc

bracing.

REACTIONS (size) 1=13-9-8, 5=13-9-8, 6=13-9-8, 7=13-9-8, 8=13-9-8

Max Horiz 1=-158 (LC 10) Max Uplift

1=-41 (LC 10), 5=-4 (LC 11), 6=-188 (LC 15), 8=-193 (LC 14)

Max Grav 1=141 (LC 25), 5=114 (LC 24),

6=457 (LC 21), 7=378 (LC 24),

8=457 (LC 20)

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

Tension

TOP CHORD 1-2=-162/144, 2-3=-225/132, 3-4=-225/132,

4-5=-140/99

1-8=-63/125, 7-8=-63/123, 6-7=-63/123,

5-6=-63/123 WEBS

3-7=-192/0. 2-8=-385/238. 4-6=-385/238

### NOTES

**BOT CHORD** 

- Unbalanced roof live loads have been considered for 1) this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-4 to 2-11-0, Interior (1) 2-11-0 to 3-11-0, Exterior(2R) 3-11-0 to 9-11-0, Interior (1) 9-11-0 to 10-9-12, Exterior(2E) 10-9-12 to 13-9-12 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.
- TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00: Ct=1.10
- Unbalanced snow loads have been considered for this 5) design.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 41 lb uplift at joint 1, 4 lb uplift at joint 5, 193 lb uplift at joint 8 and 188 lb uplift at joint 6.
- 11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



May 1,2025

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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Job	Truss	Truss Type	Qty	Ply	Install 2 Oak Meadow-Roof-Maxwell FA 3CG SP BR4 FE
25040237-A	E02	Roof Special Girder	1	2	Job Reference (optional)

Run: 8.73 S Feb 19 2025 Print: 8.730 S Feb 19 2025 MiTek Industries, Inc. Wed Apr 30 06:59:54 ID:TtToR1?vXfXAbil41EMBVpzsNjX-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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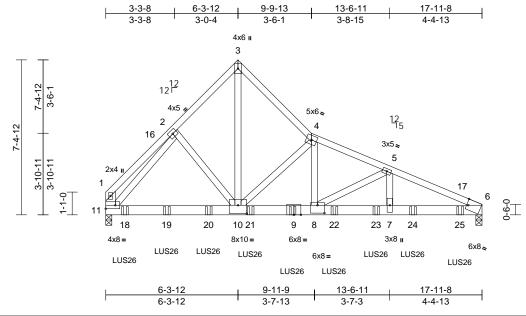


Plate Offsets (X, Y): [6:0-0-14,Edge], [8:0-4-0,0-4-8], [10:0-5-0,0-4-12], [11:Edge,0-2-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.57	Vert(LL)	-0.13	7-8	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.52	Vert(CT)	-0.23	7-8	>906	180		
TCDL	10.0	Rep Stress Incr	NO	WB	0.79	Horz(CT)	0.04	6	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 241 lb	FT = 20%

### LUMBER

TOP CHORD 2x4 SP No 2 **BOT CHORD** 2x6 SP 2400F 2.0E

**WEBS** 2x4 SP No.3 \*Except\* 10-3:2x4 SP No.2,

11-1:2x6 SP No.2 BRACING

TOP CHORD Structural wood sheathing directly applied or

3-6-5 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc

BOT CHORD

bracing

REACTIONS (size) 6=0-3-8, 11=0-3-8 Max Horiz 11=-184 (LC 10)

Max Uplift 6=-208 (LC 13), 11=-193 (LC 13) Max Grav 6=5634 (LC 21), 11=5809 (LC 21)

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

Tension TOP CHORD

1-2=-2023/112. 2-3=-4894/262.

3-4=-4910/243, 4-5=-7843/299,

5-6=-10196/382, 1-11=-1502/100 10-11=-148/3330, 8-10=-191/7120,

**BOT CHORD** 7-8=-309/9373, 6-7=-309/9373

2-10=-55/442, 3-10=-262/6646,

4-10=-5102/296, 4-8=-87/3055,

5-8=-2518/153, 5-7=-21/1970,

2-11=-3080/127

### NOTES

**WEBS** 

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, 2x6 - 2 rows staggered at 0-9-0 oc.

Bottom chords connected as follows: 2x6 - 2 rows

staggered at 0-8-0 oc.

Web connected as follows: 2x4 - 1 row at 0-9-0 oc.

- 2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B). unless otherwise indicated.
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- 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.
- One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 6 and 11. This connection is for uplift only and does not consider lateral forces.
- 10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 11) Use Simpson Strong-Tie LUS26 (4-SD9112 Girder, 4-SD9212 Truss, Single Ply Girder) or equivalent spaced at 2-3-0 oc max. starting at 0-11-0 from the left end to 16-11-0 to connect truss(es) to back face of bottom chord
- 12) Fill all nail holes where hanger is in contact with lumber.

### LOAD CASE(S) Standard

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

Uniform Loads (lb/ft)

Vert: 1-3=-60, 3-4=-60, 4-14=-60, 6-11=-20

Concentrated Loads (lb)

Vert: 9=-927 (B), 18=-930 (B), 19=-927 (B), 20=-927 (B), 21=-927 (B), 22=-927 (B), 23=-927 (B), 24=-928 (B), 25=-928 (B)



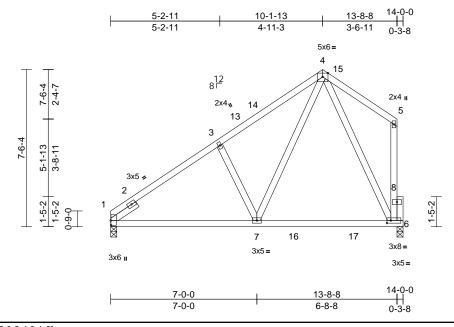




Job	Truss	Truss Type	Qty	Ply	Install 2 Oak Meadow-Roof-Maxwell FA 3CG SP BR4 FE
25040237-A	D05	Common	4	1	Job Reference (optional)

Run: 8.73 S Feb 19 2025 Print: 8.730 S Feb 19 2025 MiTek Industries, Inc. Wed Apr 30 06:59:53 ID:JC3pb5mFa2cxBj22lQCSEdzsOXU-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:55.2

Plate Offsets (X, Y): [1:0-2-12,0-0-3], [6:0-2-4,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.43	Vert(LL)	-0.09	6-7	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.50	Vert(CT)	-0.14	6-7	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.69	Horz(CT)	0.01	6	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 85 lb	FT = 20%

### LUMBER

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

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

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) 1=0-3-8, 6=0-3-8

Max Horiz 1=225 (LC 13)

Max Uplift 1=-47 (LC 14), 6=-72 (LC 14) Max Grav 1=623 (LC 5), 6=653 (LC 24)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-3=-656/133, 3-4=-691/192, 4-5=-149/171,

5-6=-183/127

**BOT CHORD** 1-7=-187/743, 6-7=-60/337

WEBS 3-7=-338/192, 4-7=-104/648, 4-6=-595/69

### NOTES

- Unbalanced roof live loads have been considered for 1) this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior (1) 3-0-0 to 7-1-13, Exterior(2R) 7-1-13 to 10-6-12, Exterior(2E) 10-6-12 to 13-6-12 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
- TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10

- 4) Unbalanced snow loads have been considered for this design.
- 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.
- One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 1 and 6. This connection is for uplift only and does not consider lateral forces.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



May 1,2025

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

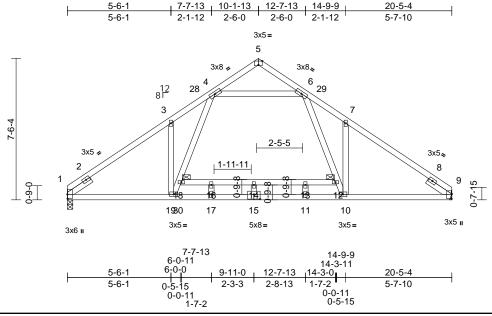
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Job	Truss	Truss Type	Qty	Ply	Install 2 Oak Meadow-Roof-Maxwell FA 3CG SP BR4 FE
25040237-A	D02	Common	2	1	Job Reference (optional)

Run: 8,73 S Feb 19 2025 Print: 8,730 S Feb 19 2025 MiTek Industries, Inc. Wed Apr 30 06:59:53 ID:pNQu2N2AJpIGIdQAmvaYsHzsOUY-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:61.2

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.73	Vert(LL)	-0.42	13-14	>581	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	1.00	Vert(CT)	-0.66	13-14	>369	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.50	Horz(CT)	0.05	9	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 122 lb	FT = 20%

### LUMBER

2x4 SP No.2 TOP CHORD

**BOT CHORD** 2x4 SP No.1 \*Except\* 18-12:2x4 SP No.2

**WEBS** 2x4 SP No.3

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

BRACING

TOP CHORD

TOP CHORD Structural wood sheathing directly applied or

3-1-4 oc purlins.

**BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc

bracing, Except:

8-9-4 oc bracing: 13-14.

REACTIONS (size) 1=0-3-8, 9= Mechanical

Max Horiz 1=-161 (LC 10)

Max Uplift 1=-17 (LC 14), 9=-19 (LC 15)

Max Grav 1=1128 (LC 5), 9=1126 (LC 25)

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

Tension

1-3=-1766/22, 3-4=-1726/155, 4-5=-209/78,

5-6=-202/79, 6-7=-1786/157, 7-9=-1792/22 **BOT CHORD** 1-19=-129/1360, 17-19=0/1058,

11-17=0/1058, 10-11=0/1058, 9-10=-46/1389,

16-18=-18/42, 14-16=-18/42, 13-14=-18/42,

12-13=-18/42

**WEBS** 18-19=-162/662, 4-18=-124/770,

6-12=-125/839, 10-12=-162/734,

3-19=-338/267, 7-10=-379/268,

4-6=-1083/81, 14-15=-43/0, 16-17=-48/4,

11-13=-58/0

### NOTES

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

- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior (1) 3-0-0 to 7-1-13. Exterior(2R) 7-1-13 to 13-1-13. Interior (1) 13-1-13 to 17-5-4, Exterior(2E) 17-5-4 to 20-5-4 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
- TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
- Unbalanced snow loads have been considered for this
- All plates are 2x4 MT20 unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 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.
- Refer to girder(s) for truss to truss connections.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 19 lb uplift at joint
- 10) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 1. This connection is for uplift only and does not consider lateral forces.
- 11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



May 1,2025

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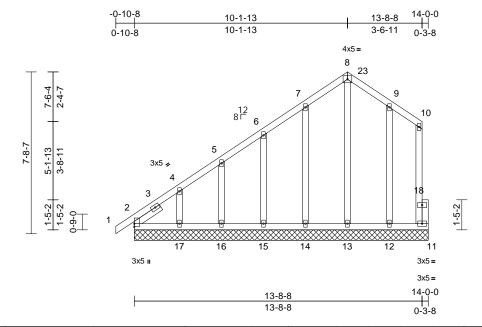
building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, 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.sbcacomponents.com)



Job	Truss	Truss Type	Qty	Ply	Install 2 Oak Meadow-Roof-Maxwell FA 3CG SP BR4 FE
25040237-A	D06	Common Supported Gable	1	1	Job Reference (optional)

Run: 8.73 S Feb 19 2025 Print: 8.730 S Feb 19 2025 MiTek Industries, Inc. Wed Apr 30 06:59:53 ID:84vfHKeLAgDVN1jwccVtlJzsOXf-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f





Scale = 1:54.9

Loading	(psf)	Spacing	1-11-4	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.32	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.18	Horz(CT)	0.00	11	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0	l									Weight: 99 lb	FT = 20%

### LUMBER

TOP CHORD 2x4 SP No.2 2x4 SP No.2 BOT CHORD 2x4 SP No.3 WFBS OTHERS 2x4 SP No 3 **SLIDER** Left 2x4 SP No.3 -- 1-6-0

BRACING

TOP CHORD Structural wood sheathing directly applied or

6-0-0 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc

**BOT CHORD** 

bracing.

**REACTIONS** (size) 2=14-0-0, 11=14-0-0, 12=14-0-0, 13=14-0-0, 14=14-0-0, 15=14-0-0,

16=14-0-0. 17=14-0-0

Max Horiz 2=227 (LC 13)

Max Uplift 2=-70 (LC 10), 11=-20 (LC 14),

12=-39 (LC 15), 13=-41 (LC 13), 14=-58 (LC 14), 15=-60 (LC 14), 16=-42 (LC 14), 17=-110 (LC 14)

Max Grav 2=197 (LC 31), 11=64 (LC 22), 12=232 (LC 22), 13=172 (LC 25),

14=237 (LC 21), 15=187 (LC 21), 16=152 (LC 25), 17=208 (LC 30)

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

Tension

TOP CHORD 1-2=0/28. 2-4=-209/221. 4-5=-168/162.

5-6=-155/134, 6-7=-140/170, 7-8=-119/237, 8-9=-106/233, 9-10=-89/172, 10-11=-73/135

**BOT CHORD** 2-17=-64/116, 16-17=-64/116, 15-16=-64/116,

14-15=-64/116, 13-14=-64/116,

12-13=-64/116, 11-12=-64/116

**WEBS** 8-13=-179/71, 7-14=-199/98, 6-15=-148/109, 5-16=-136/98, 4-17=-177/133, 9-12=-194/88

### NOTES

Unbalanced roof live loads have been considered for this design.

- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Corner(3E) -0-10-8 to 2-1-13, Exterior(2N) 2-1-13 to 7-1-13, Corner(3R) 7-1-13 to 10-6-12, Corner (3E) 10-6-12 to 13-6-12 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
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable or consult qualified building designer as per ANSI/TPI 1.
- TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
- Unbalanced snow loads have been considered for this
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- 10) 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.
- 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 70 lb uplift at joint 2, 20 lb uplift at joint 11, 41 lb uplift at joint 13, 58 lb uplift at joint 14, 60 lb uplift at joint 15, 42 lb uplift at joint 16, 110 lb uplift at joint 17, 39 lb uplift at joint 12 and 70 lb uplift at joint 2.

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

LOAD CASE(S) Standard



May 1,2025

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Job	Truss	Truss Type	Qty	Ply	Install 2 Oak Meadow-Roof-Maxwell FA 3CG SP BR4 FE
25040237-A	D04	Common	6	1	Job Reference (optional)

Run: 8.73 S Feb 19 2025 Print: 8.730 S Feb 19 2025 MiTek Industries, Inc. Wed Apr 30 06:59:53 ID:17gbhWuXD7tXOGpzKXNoekzsOXK-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f Page: 1

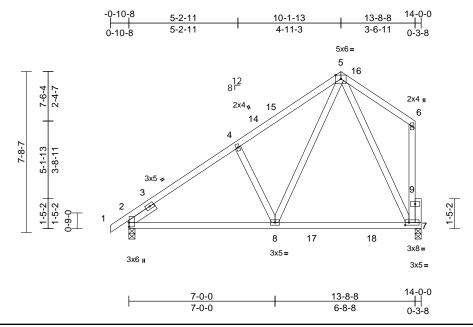


Plate Offsets (X, Y): [2:0-2-8,0-0-3], [7:0-2-4,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.43	Vert(LL)	-0.09	7-8	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.50	Vert(CT)	-0.14	7-8	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.69	Horz(CT)	0.01	7	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 87 lb	FT = 20%

### LUMBER

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

Left 2x4 SP No.3 -- 1-6-0 SLIDER BRACING

TOP CHORD Structural wood sheathing directly applied or

6-0-0 oc purlins, except end verticals. **BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc

bracing.

REACTIONS (size) 2=0-3-8, 7=0-3-8

Max Horiz 2=234 (LC 13) Max Uplift 2=-65 (LC 14), 7=-71 (LC 14)

Max Grav 2=672 (LC 25), 7=652 (LC 25)

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

Tension

TOP CHORD 1-2=0/29, 2-4=-654/132, 4-5=-689/190,

5-6=-149/171, 6-7=-183/127

**BOT CHORD** 2-8=-188/740, 7-8=-60/337

WEBS 4-8=-336/191, 5-8=-103/644, 5-7=-593/69

### NOTES

- Unbalanced roof live loads have been considered for 1) this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -0-10-8 to 2-1-8, Interior (1) 2-1-8 to 7-1-13, Exterior(2R) 7-1-13 to 10-6-12, Exterior(2E) 10-6-12 to 13-6-12 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
- TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10

- 4) Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 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.
- One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 7. This connection is for uplift only and does not consider lateral forces.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



May 1,2025

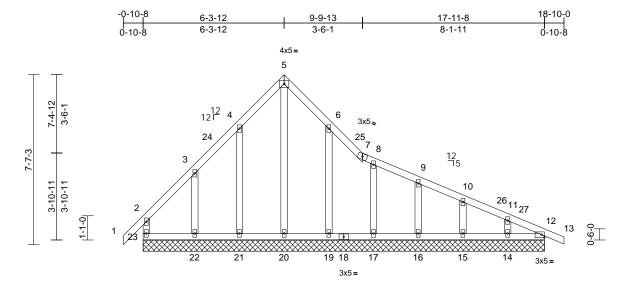
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Job	Truss	Truss Type	Qty	Ply	Install 2 Oak Meadow-Roof-Maxwell FA 3CG SP BR4 FE
25040237-A	E03	Roof Special Supported Gable	1	1	I73125331 Job Reference (optional)

Run: 8,73 E Nov 16 2023 Print: 8,730 E Nov 16 2023 MiTek Industries, Inc. Thu May 01 12:08:25 ID:7Tk5tSPNBKN\_8MwKdBgy9ozsOZF-Le2zTL9S7BJ8V4xMPeB67jhr00rXGWUBEcqzO8zKuA5 Page: 1



Scale = 1:51.5

Loading	(psf)	Spacing	1-11-4	CSI		DEFL	in	(loc)	l/defl		PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.16	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.24	Horz(CT)	0.00	12	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 106 lb	FT = 20%

17-11-8

LUMBER

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

**BRACING** 

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.

BOT CHORD Rigid ceiling directly applied or 6-0-0 oc

bracing.

REACTIONS (lb/size)

12=119/17-11-8, 14=136/17-11-8, 15=159/17-11-8, 16=153/17-11-8, 17=159/17-11-8, 19=162/17-11-8, 20=133/17-11-8, 21=161/17-11-8, 22=157/17-11-8, 23=153/17-11-8

Max Horiz 23=-194 (LC 12)

Max Uplift 12=-39 (LC 11), 14=-45 (LC 15), 15=-39 (LC 15), 16=-32 (LC 15), 17=-60 (LC 14), 19=-95 (LC 15), 21=-78 (LC 14), 22=-156 (LC 14),

23=-21 (LC 10) Max Grav 12=125 (LC 25), 14=175 (LC 43), 15=213 (LC 43), 16=211 (LC 43),

17=186 (LC 22), 19=271 (LC 42), 20=241 (LC 14), 21=274 (LC 21), 22=209 (LC 25), 23=153 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 2-23=-134/62, 1-2=0/42, 2-3=-81/65, 3-24=-81/106, 4-24=-54/120, 4-5=-109/234,

5-6=-109/235, 6-25=-93/138, 7-25=-100/129, 7-8=-98/120, 8-9=-95/91, 9-10=-110/69, 10-26=-117/55, 11-26=-122/42,

11-27=-141/49, 12-27=-150/39, 12-13=0/10

BOT CHORD 22-23=-29/142, 21-22=-29/142, 20-21=-29/142, 19-20=-29/142, 18-19=-29/142, 17-18=-29/142,

16-17=-29/142, 15-16=-29/142, 14-15=-29/142, 12-14=-29/142

**WEBS** 

5-20=-254/80, 4-21=-236/137, 3-22=-160/156, 6-19=-232/152, 8-17=-147/115, 9-16=-173/55, 10-15=-173/64, 11-14=-143/67

NOTES

- Unbalanced roof live loads have been considered for 1) this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -0-10-8 to 2-3-12, Interior (1) 2-3-12 to 3-3-12, Exterior(2R) 3-3-12 to 9-3-12, Interior (1) 9-3-12 to 15-10-0. Exterior(2E) 15-10-0 to 18-10-0 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
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
- 5) Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- 10) 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.

12) N/A

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

LOAD CASE(S) Standard



May 1,2025

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Job	Truss	Truss Type	Qty	Ply	Install 2 Oak Meadow-Roof-Maxwell FA 3CG SP BR4 FE
25040237-A	E01	Roof Special	3	1	Job Reference (optional)

Run: 8.73 S Feb 19 2025 Print: 8.730 S Feb 19 2025 MiTek Industries, Inc. Wed Apr 30 06:59:53 ID:jQ6pN3npusHaM7nHxCkEwLzsOYm-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

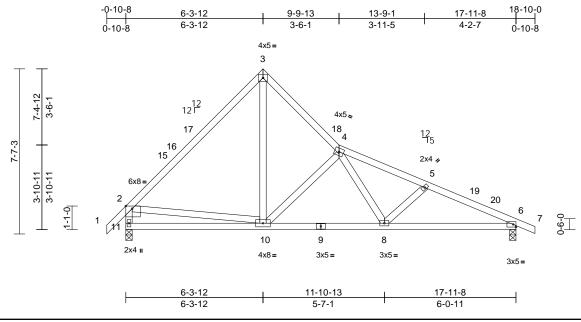


Plate Offsets (X, Y): [2:0-3-8,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.75	Vert(LL)	-0.05	8-10	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.49	Vert(CT)	-0.09	10-11	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.37	Horz(CT)	0.02	6	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 101 lb	FT = 20%

### LUMBER

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

**WEBS** 2x4 SP No.3 \*Except\* 11-2:2x4 SP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-8-1 oc purlins, except end verticals. **BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc

bracing.

REACTIONS (size) 6=0-3-8, 11=0-3-8

Max Horiz 11=-201 (LC 12)

Max Uplift 6=-92 (LC 15), 11=-57 (LC 15) Max Grav 6=832 (LC 43), 11=812 (LC 21)

FORCES (lb) - Maximum Compression/Maximum

Tension

1-2=0/43, 2-3=-776/200, 3-4=-794/239, TOP CHORD

4-5=-1268/255, 5-6=-1455/283, 6-7=0/20,

2-11=-753/239

**BOT CHORD** 10-11=-288/423, 8-10=-102/989, 6-8=-192/1289 **WEBS** 

2-10=-81/317, 3-10=-127/636,

4-10=-757/228, 4-8=-20/389, 5-8=-350/123

### NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -0-10-8 to 2-1-8, Interior (1) 2-1-8 to 3-3-12, Exterior(2R) 3-3-12 to 9-3-12, Interior (1) 9-3-12 to 15-10-0, Exterior(2E) 15-10-0 to 18-10-0 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00: Ct=1.10
- 4) Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 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.
- One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 11 and 6. This connection is for uplift only and does not consider lateral forces.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



May 1,2025

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/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.sbcacomponents.com)



Job	Truss	Truss Type	Qty	Ply	Install 2 Oak Meadow-Roof-Maxwell FA 3CG SP BR4 FE
25040237-A	D01	Common	7	1	I73125333 Job Reference (optional)

Run: 8 73 S. Feb 19 2025 Print: 8 730 S. Feb 19 2025 MiTek Industries. Inc. Wed Apr 30 06:59:53 ID:mTrSo1Ax?s5WZm5qv\_GX2MzsNwE-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f Page: 1

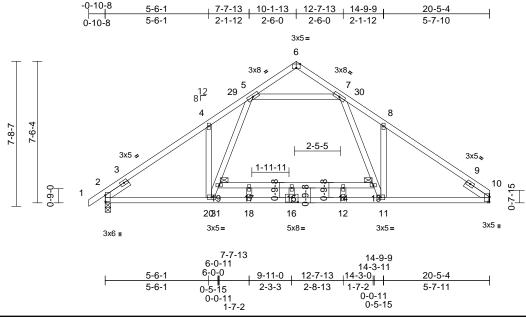


Plate Offsets (X, Y): [2:0-4-1,0-0-3], [6:0-2-8,Edge], [10:0-3-0,0-0-3], [16:0-4-0,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.74	Vert(LL)	-0.42	14-15	>581	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	1.00	Vert(CT)	-0.66	14-15	>369	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.50	Horz(CT)	0.05	10	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 124 lb	FT = 20%

### LUMBER

Scale = 1:61.2

TOP CHORD 2x4 SP No 2

2x4 SP No.1 \*Except\* 19-13:2x4 SP No.2 **BOT CHORD** 

**WEBS** 2x4 SP No.3

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

BRACING

TOP CHORD Structural wood sheathing directly applied or

3-0-7 oc purlins.

**BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc

bracing, Except: 8-9-4 oc bracing: 14-15.

REACTIONS (size) 2=0-3-8, 10= Mechanical

Max Horiz 2=169 (LC 13)

Max Uplift 2=-34 (LC 14), 10=-19 (LC 15)

Max Grav 2=1177 (LC 25), 10=1125 (LC 26)

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

Tension

1-2=0/29, 2-4=-1763/20, 4-5=-1720/153,

5-6=-209/78, 6-7=-201/78, 7-8=-1786/157,

8-10=-1790/21

**BOT CHORD** 2-20=-128/1356, 18-20=0/1057,

12-18=0/1057, 11-12=0/1057,

10-11=-46/1388, 17-19=-18/41 15-17=-18/41, 14-15=-18/41, 13-14=-18/41

19-20=-160/653, 5-19=-122/762,

7-13=-125/841, 11-13=-162/735,

5-7=-1082/80, 8-11=-380/268, 4-20=-332/266, 15-16=-43/0, 17-18=-48/5,

12-14=-58/0

### NOTES

WEBS

TOP CHORD

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

- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -0-10-8 to 2-1-8, Interior (1) 2-1-8 to 7-1-13, Exterior(2R) 7-1-13 to 13-1-13, Interior (1) 13-1-13 to 17-5-4, Exterior(2E) 17-5-4 to 20-5-4 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
- TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
- Unbalanced snow loads have been considered for this
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- All plates are 2x4 MT20 unless otherwise indicated
- 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.
- Refer to girder(s) for truss to truss connections.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 19 lb uplift at joint
- 11) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.
- 12) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



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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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.sbcacomponents.com)



Job	Truss	Truss Type	Qty	Ply	Install 2 Oak Meadow-Roof-Maxwell FA 3CG SP BR4 FE
25040237-A	D03	Common Supported Gable	1	1	Job Reference (optional)

Run: 8.73 S Feb 19 2025 Print: 8.730 S Feb 19 2025 MiTek Industries, Inc. Wed Apr 30 06:59:53 ID:N5TUkDyf2fVpU1iw74zzLozsOXF-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 1

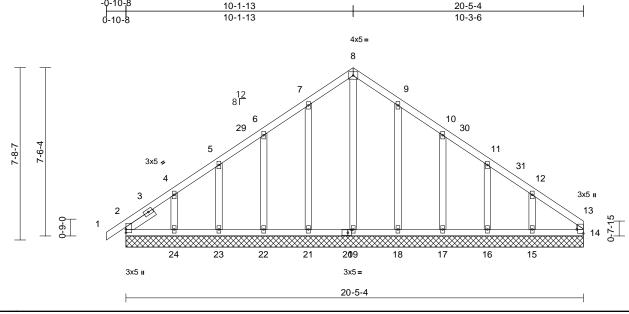


Plate Offsets (X	Y):	[13:Edge,0-3-8],	[20:0-1-14,0-1-8]
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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.05	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.17	Horz(CT)	0.00	14	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 125 lb	FT = 20%

### LUMBER

Scale = 1:51.5

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

**SLIDER** Left 2x4 SP No.3 -- 1-6-0

BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.

**BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc

bracing.

REACTIONS (size) 2=20-5-4, 14=20-5-4, 15=20-5-4, 16=20-5-4, 17=20-5-4, 18=20-5-4, 19=20-5-4, 21=20-5-4, 22=20-5-4,

23=20-5-4, 24=20-5-4

Max Horiz 2=179 (LC 13)

2=-57 (LC 10), 15=-97 (LC 15), 16=-47 (LC 15), 17=-63 (LC 15),

18=-55 (LC 15), 21=-57 (LC 14), 22=-63 (LC 14), 23=-46 (LC 14),

24=-104 (LC 14)

Max Grav 2=188 (LC 26), 14=99 (LC 28), 15=206 (LC 26), 16=159 (LC 26), 17=223 (LC 22), 18=259 (LC 22),

19=175 (LC 28), 21=259 (LC 21), 22=223 (LC 21), 23=159 (LC 25), 24=205 (LC 25)

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

TOP CHORD

**BOT CHORD** 

1-2=0/29, 2-4=-156/138, 4-5=-132/109 5-6=-122/115, 6-7=-109/158, 7-8=-128/216,

8-9=-128/216, 9-10=-102/158, 10-11=-77/94, 11-12=-71/37, 12-13=-98/51, 13-14=-75/5 2-24=-47/90, 23-24=-47/90, 22-23=-47/90,

21-22=-47/90, 19-21=-47/90, 18-19=-47/90, 17-18=-47/90, 16-17=-47/90, 15-16=-47/90,

14-15=-47/90

**WEBS** 

8-19=-176/45, 7-21=-219/81, 6-22=-182/91, 5-23=-141/82, 4-24=-153/108, 9-18=-219/80, 10-17=-183/91, 11-16=-137/79, 12-15=-166/129

### NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Corner(3E) -0-10-8 to 2-1-13, Exterior(2N) 2-1-13 to 7-1-13, Corner(3R) 7-1-13 to 13-1-13, Exterior (2N) 13-1-13 to 17-3-8, Corner(3E) 17-3-8 to 20-3-8 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.
- TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
- 5) Unbalanced snow loads have been considered for this design.
- 6) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing. Gable studs spaced at 2-0-0 oc.
- 10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

- 11) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 57 lb uplift at joint 2, 57 lb uplift at joint 21, 63 lb uplift at joint 22, 46 lb uplift at joint 23, 104 lb uplift at joint 24, 55 lb uplift at joint 18, 63 lb uplift at joint 17, 47 lb uplift at joint 16, 97 lb uplift at joint 15 and 57 lb uplift at joint 2.
- 13) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 25.
- 14) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



May 1,2025

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Job	Truss	Truss Type	Qty	Ply	Install 2 Oak Meadow-Roof-Maxwell FA 3CG SP BR4 FE
25040237-A	B02	Common Supported Gable	1	1	Job Reference (optional)

Run: 8.73 S Feb 19 2025 Print: 8.730 S Feb 19 2025 MiTek Industries, Inc. Wed Apr 30 06:59:52 ID:6mNUmJnwHw5SmJj2jWct\_izsNqH-RfC?PsB70Hq3NSqPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 1

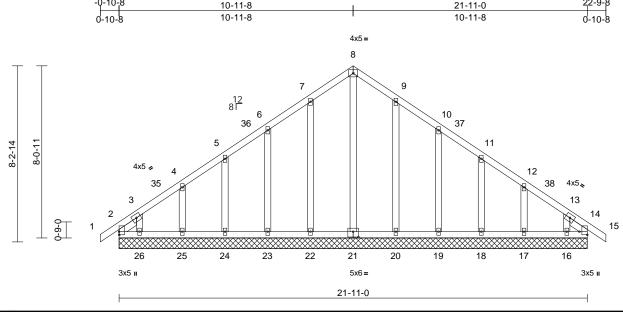


Plate Offsets (X, Y): [14:Edge,0-4-6], [21:0-3-0,0-3-0]

Loading	(psf)	Spacing	1-11-4	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.03	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.17	Horz(CT)	0.01	14	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 142 lb	FT = 20%

LU	M	В	E	R	

Scale = 1:53.9

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

SLIDER Left 2x4 SP No.3 -- 1-0-7, Right 2x4 SP No.3

-- 1-0-7

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=21-11-0, 14=21-11-0, 16=21-11-0, 17=21-11-0, 18=21-11-0, 19=21-11-0, 20=21-11-0, 21=21-11-0, 22=21-11-0, 23=21-11-0, 24=21-11-0, 25=21-11-0, 26=21-11-0

Max Horiz 2=-179 (LC 12)

Max Uplift 2=-83 (LC 10), 14=-27 (LC 11), 16=-97 (LC 15), 17=-57 (LC 15), 18=-56 (LC 15), 19=-59 (LC 15), 20=-54 (LC 15), 22=-56 (LC 14), 23=-58 (LC 14), 24=-56 (LC 14), 25=-56 (LC 14), 26=-114 (LC 14)

Max Grav 2=164 (LC 26), 14=129 (LC 28),

2=164 (LC 26), 14=129 (LC 28), 16=132 (LC 31), 17=169 (LC 31), 18=162 (LC 31), 19=215 (LC 22), 20=251 (LC 22), 21=172 (LC 28), 22=251 (LC 21), 23=215 (LC 21), 24=162 (LC 25), 25=168 (LC 25),

26=150 (LC 25)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=0/28, 2-3=-90/86, 3-4=-135/122,

4-5=-113/101, 5-6=-100/98, 6-7=-89/133, 7-8=-109/181, 8-9=-109/181, 9-10=-84/127, 10-11=-60/68, 11-12=-66/38, 12-13=-91/60,

13-14=-70/64, 14-15=0/28 BOT CHORD 2-26=-61/133, 25-26=-61/133,

24-25=-61/133, 23-24=-61/133, 22-23=-61/133, 20-22=-61/133, 19-20=-61/133, 18-19=-61/133,

17-18=-61/133, 16-17=-61/133,

14-16=-61/133

WEBS 8-21=-142/28, 7-22=-212/79, 6-23=-176/83, 5-24=-138/78, 4-25=-143/85, 3-26=-112/118,

9-20=-212/77, 10-19=-176/83, 11-18=-138/78, 12-17=-143/85,

13-16=-112/105

### NOTES

 Unbalanced roof live loads have been considered for this design.

- 2) Wind: AŠCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Corner(3E) -0-10-8 to 2-1-8, Exterior(2N) 2-1-8 to 7-11-8, Corner(3R) 7-11-8 to 13-11-8, Exterior(2N) 13-11-8 to 19-9-8, Corner(3E) 19-9-8 to 22-9-8 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.
- 4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10

- Unbalanced snow loads have been considered for this design.
- 6) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- 7) All plates are 2x4 MT20 unless otherwise indicated.
- 8) Gable requires continuous bottom chord bearing.
- 9) Gable studs spaced at 2-0-0 oc.
- 10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 11) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 83 lb uplift at joint 2, 27 lb uplift at joint 14, 56 lb uplift at joint 22, 58 lb uplift at joint 23, 56 lb uplift at joint 24, 56 lb uplift at joint 25, 114 lb uplift at joint 26, 54 lb uplift at joint 20, 59 lb uplift at joint 19, 56 lb uplift at joint 18, 57 lb uplift at joint 17, 97 lb uplift at joint 16, 83 lb uplift at joint 2 and 27 lb uplift at joint 14.



May 1,2025

Continued on page 2

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818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Install 2 Oak Meadow-Roof-Maxwell FA 3CG SP BR4 FE
25040237-A	B02	Common Supported Gable	1	1	Job Reference (optional)

Run: 8.73 S Feb 19 2025 Print: 8.730 S Feb 19 2025 MiTek Industries, Inc. Wed Apr 30 06:59:52  $ID: 6mNUmJnwHw5SmJj2jWct\_izsNqH-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f$ 

Page: 2

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

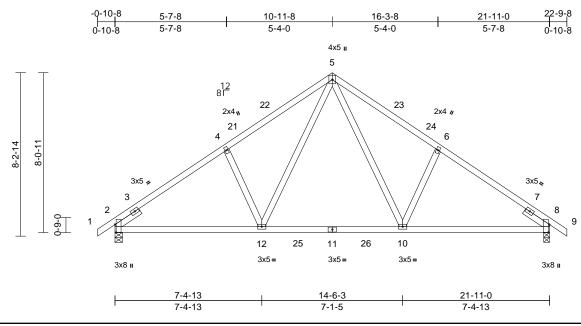
LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	Install 2 Oak Meadow-Roof-Maxwell FA 3CG SP BR4 FE
25040237-A	B01	Common	5	1	Job Reference (optional)

Run: 8.73 S Feb 19 2025 Print: 8.730 S Feb 19 2025 MiTek Industries, Inc. Wed Apr 30 06:59:52 ID:Xu6TXzD8ZImCi?29OnmY\_WzsNpi-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:58.1

Plate Offsets (X, Y): [2:0-4-13,Edge], [8:0-4-13,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.70	Vert(LL)	-0.13	10-12	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.62	Vert(CT)	-0.19	10-12	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.24	Horz(CT)	0.04	8	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 117 lb	FT = 20%

### LUMBER

BRACING

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

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

TOP CHORD Structural wood sheathing directly applied or

3-10-9 oc purlins.

**BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc

bracing.

REACTIONS (size) 2=0-4-8. 8=0-3-8

Max Horiz 2=-185 (LC 12)

Max Uplift 2=-91 (LC 14), 8=-91 (LC 15) Max Grav 2=1043 (LC 25), 8=1043 (LC 26)

**FORCES** 

(lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=0/29, 2-4=-1468/141, 4-5=-1395/201,

5-6=-1395/201, 6-8=-1468/141, 8-9=0/29

**BOT CHORD** 2-12=-184/1146, 10-12=0/761, 8-10=-81/1146 **WEBS** 5-10=-118/620, 6-10=-347/205,

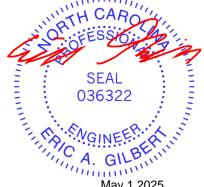
5-12=-118/620, 4-12=-347/205

### NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -0-10-8 to 2-1-8, Interior (1) 2-1-8 to 7-11-8, Exterior(2R) 7-11-8 to 13-11-8, Interior (1) 13-11-8 to 19-9-8. Exterior(2E) 19-9-8 to 22-9-8 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00: Ct=1.10
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 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.
- One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 8. This connection is for uplift only and does not consider lateral forces.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



May 1,2025

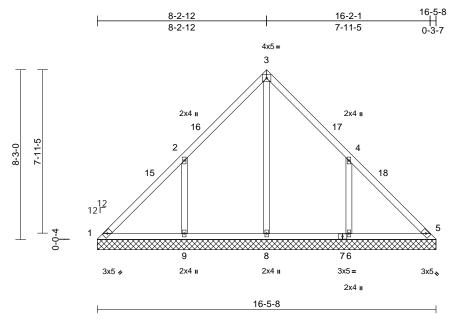
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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/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.sbcacomponents.com)



Job	Truss	Truss Type	Qty	Ply	Install 2 Oak Meadow-Roof-Maxwell FA 3CG SP BR4 FE
25040237-A	V1C	Valley	1	1	Job Reference (optional)

Run: 8.73 S Feb 19 2025 Print: 8.730 S Feb 19 2025 MiTek Industries, Inc. Wed Apr 30 06:59:55 ID: mY2VVIYPxwWWh8UVqFVh4yzsOgo-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?ff Page: 1



Scale		a	
ocale	=	п	:oo

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.38	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.17	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.59	Horiz(TL)	0.00	5	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 80 lb	FT = 20%

### LUMBER

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

### **BRACING**

Structural wood sheathing directly applied or TOP CHORD

6-0-0 oc purlins.

**BOT CHORD** Rigid ceiling directly applied or 6-0-0 oc

bracing.

REACTIONS (size) 1=16-5-8, 5=16-5-8, 6=16-5-8, 8=16-5-8, 9=16-5-8

Max Horiz 1=188 (LC 11)

Max Uplift 1=-102 (LC 10), 5=-1 (LC 15),

6=-228 (LC 15), 9=-235 (LC 14)

1=122 (LC 13), 5=1 (LC 25), 6=521 Max Grav (LC 25), 8=692 (LC 27), 9=521 (LC

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

Tension

TOP CHORD 1-2=-158/386, 2-3=-64/340, 3-4=-39/312,

4-5=-171/276

**BOT CHORD** 1-9=-166/78, 8-9=-166/78, 6-8=-166/78,

5-6=-166/78

3-8=-497/0, 2-9=-398/265, 4-6=-399/263

### WEBS NOTES

- Unbalanced roof live loads have been considered for 1) this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-4 to 3-0-4, Interior (1) 3-0-4 to 5-3-0, Exterior(2R) 5-3-0 to 11-3-0, Interior (1) 11-3-0 to 13-5-12, Exterior(2E) 13-5-12 to 16-5-12 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.
- TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00: Ct=1.10
- Unbalanced snow loads have been considered for this 5) design.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 102 lb uplift at joint 1, 1 lb uplift at joint 5, 235 lb uplift at joint 9, 228 lb uplift at joint 6 and 1 lb uplift at joint 5.
- 11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



May 1,2025

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

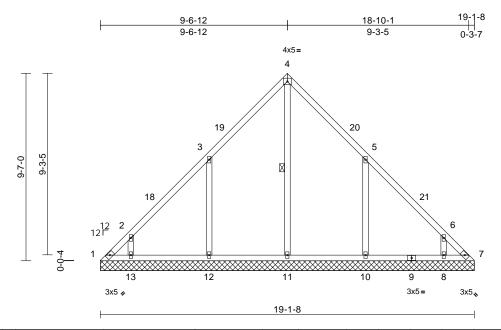
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall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



Job	Truss	Truss Type	Qty	Ply	Install 2 Oak Meadow-Roof-Maxwell FA 3CG SP BR4 FE
25040237-A	V1B	Valley	1	1	Job Reference (optional)

Run: 8.73 S Feb 19 2025 Print: 8.730 S Feb 19 2025 MiTek Industries, Inc. Wed Apr 30 06:59:55 ID:IuY\_Qay5A3gq8CWqGhbRwvzsOgH-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scal	le	=	1	.5	8	9

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.33	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.17	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.21	Horiz(TL)	0.01	7	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 99 lb	FT = 20%

### LUMBER

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

### **BRACING**

Structural wood sheathing directly applied or TOP CHORD

6-0-0 oc purlins.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc

bracing.

WFBS 1 Row at midpt

1=19-1-8, 7=19-1-8, 8=19-1-8, REACTIONS (size) 10=19-1-8, 11=19-1-8, 12=19-1-8,

13=19-1-8

Max Horiz 1=220 (LC 11)

Max Uplift 1=-106 (LC 12), 7=-53 (LC 13),

8=-111 (LC 15), 10=-225 (LC 15), 12=-224 (LC 14), 13=-120 (LC 14)

Max Grav 1=176 (LC 14), 7=140 (LC 15), 8=324 (LC 25), 10=487 (LC 6)

11=379 (LC 27), 12=487 (LC 5),

13=335 (LC 24)

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

Tension

1-2=-301/193, 2-3=-213/142, 3-4=-242/181,

4-5=-242/157, 5-6=-171/87, 6-7=-261/134 **BOT CHORD** 1-13=-99/187, 12-13=-82/187,

11-12=-82/187, 10-11=-82/187, 8-10=-82/187,

7-8=-82/187

4-11=-173/30 3-12=-389/271

2-13=-272/203, 5-10=-389/271, 6-8=-272/199

### WFBS NOTES

TOP CHORD

1) Unbalanced roof live loads have been considered for this design

- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-4 to 3-0-4, Interior (1) 3-0-4 to 6-7-0, Exterior(2R) 6-7-0 to 12-7-0, Interior (1) 12-7-0 to 16-1-12, Exterior(2E) 16-1-12 to 19-1-12 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
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 10) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 106 lb uplift at joint 1, 53 lb uplift at joint 7, 224 lb uplift at joint 12, 120 lb uplift at joint 13, 225 lb uplift at joint 10 and 111 lb uplift
- 12) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



May 1,2025

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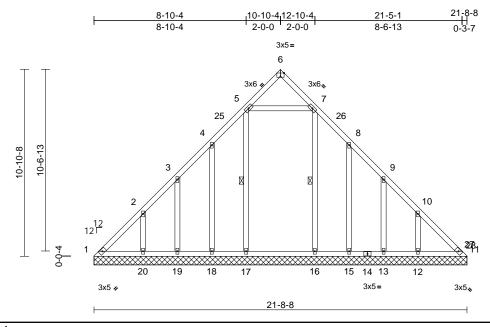
building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, 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.sbcacomponents.com)



Job	Truss	Truss Type	Qty	Ply	Install 2 Oak Meadow-Roof-Maxwell FA 3CG SP BR4 FE
25040237-A	V1A	Valley	1	1	I73125339 Job Reference (optional)

Run: 8 73 S. Feb 19 2025 Print: 8 730 S. Feb 19 2025 MiTek Industries. Inc. Wed Apr 30 06:59:55 ID:FYB9P4B0hv47w7TUtARuBvzsOg\_-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:67

Plate Offsets (X, Y):	[6:0-2-8,Edge]
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Loading	(psf)	Spacing	1-11-4	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.13	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.14	Horiz(TL)	0.01	11	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 145 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or

6-0-0 oc purlins.

BOT CHORD Rigid ceiling directly applied or 6-0-0 oc

bracing.

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

REACTIONS (size) 1=21-8-8, 11=21-8-8, 12=21-8-8, 13=21-8-8, 15=21-8-8, 16=21-8-8, 17=21-8-8, 18=21-8-8, 19=21-8-8,

20=21-8-8

Max Horiz 1=242 (LC 11) 1=-82 (LC 10), 11=-20 (LC 11),

12=-103 (LC 15), 13=-95 (LC 15), 15=-96 (LC 15), 18=-98 (LC 14), 19=-91 (LC 14), 20=-111 (LC 14)

Max Grav 1=181 (LC 30), 11=126 (LC 27), 12=279 (LC 25), 13=186 (LC 30), 15=197 (LC 21), 16=378 (LC 6),

17=378 (LC 5), 18=197 (LC 20), 19=182 (LC 24), 20=288 (LC 24)

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

Tension

TOP CHORD 1-2=-231/216, 2-3=-170/165, 3-4=-140/160,

4-5=-117/212, 5-6=-173/36, 6-7=-173/36, 7-8=-117/156, 8-9=-76/103, 9-10=-100/82,

10-11=-173/130

**BOT CHORD** 1-20=-94/163, 19-20=-94/163,

18-19=-94/163, 17-18=-94/163, 16-17=-94/163, 15-16=-94/163, 13-15=-94/163, 12-13=-94/163,

11-12=-94/163

**WEBS** 

2-20=-195/128, 7-16=-272/0, 8-15=-167/112, 9-13=-143/120, 10-12=-194/125, 5-7=-78/169

### NOTES

- Unbalanced roof live loads have been considered for 1) this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-4 to 2-10-8, Interior (1) 2-10-8 to 7-10-8, Exterior(2R) 7-10-8 to 13-10-8, Interior (1) 13-10-8 to 18-4-12, Exterior(2E) 18-4-12 to 21-4-12 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
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

- 5-17=-272/39, 4-18=-167/113, 3-19=-143/119, 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 82 lb uplift at joint 1, 20 lb uplift at joint 11, 98 lb uplift at joint 18, 91 lb uplift at joint 19, 111 lb uplift at joint 20, 96 lb uplift at joint 15, 95 lb uplift at joint 13 and 103 lb uplift at joint 12.
  - 12) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



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

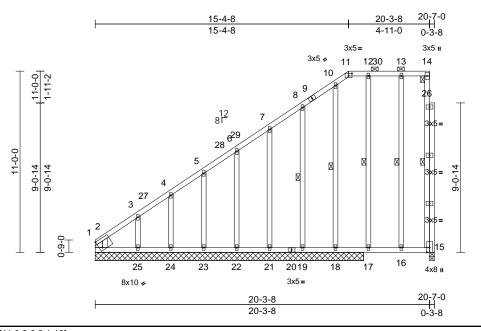
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Job	Truss	Truss Type	Qty	Ply	Install 2 Oak Meadow-Roof-Maxwell FA 3CG SP BR4 FE
25040237-A	C02	Piggyback Base Supported Gable	1	1	Job Reference (optional)

Run: 8 73 S. Feb 19 2025 Print: 8 730 S. Feb 19 2025 MiTek Industries. Inc. Wed Apr 30 06:59:52 ID:h1Txbn5k0DaBbybL4pcHsOzsNsS-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:69.9

Plate Offsets	(X, Y):	[1:0-2-2,0-6-	-1], [11:0-2-	8,0-1-13]
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Loading	(psf)	Spacing	1-11-4	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.50	Vert(LL)	-0.05	16-17	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.33	Vert(CT)	-0.07	16-17	>960	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.21	Horz(CT)	0.00	15	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 189 lb	FT = 20%

### LUMBER

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

**OTHERS** 2x4 SP No.3 \*Except\* 16-13,17-12:2x4 SP

SLIDER Left 2x4 SP No.3 -- 0-7-0

BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and

2-0-0 oc purlins (6-0-0 max.): 11-14. Rigid ceiling directly applied or 10-0-0 oc

**BOT CHORD** bracing.

**WEBS** 

1 Row at midpt 14-15, 13-16, 12-17, 10-18, 8-19

**REACTIONS** (size)

TOP CHORD

19=16-3-8, 21=16-3-8, 22=16-3-8, 23=16-3-8, 24=16-3-8, 25=16-3-8

1=16-3-8, 15=0-3-8, 18=16-3-8,

Max Horiz 1=371 (LC 11)

Max Uplift 1=-130 (LC 12), 15=-36 (LC 11), 18=-105 (LC 11), 19=-102 (LC 46),

21=-53 (LC 14), 22=-54 (LC 14), 23=-66 (LC 14), 24=-14 (LC 14),

25=-207 (LC 14)

Max Grav 1=288 (LC 11), 15=277 (LC 36),

18=471 (LC 36), 19=162 (LC 43), 21=240 (LC 37), 22=198 (LC 37), 23=171 (LC 24), 24=147 (LC 20),

25=262 (LC 43)

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

Tension

1-2=-289/333, 2-3=-352/441, 3-4=-277/353,

4-5=-255/337, 5-6=-230/303, 6-7=-214/273, 7-8=-198/235, 8-10=-186/235, 10-11=-156/201, 11-12=-131/207

12-13=-131/207, 13-14=-131/207, 14-15=-153/123

BOT CHORD 1-25=-134/212, 24-25=-134/212,

23-24=-134/212, 22-23=-134/212, 21-22=-134/212, 19-21=-134/212, 18-19=-134/212, 17-18=-134/212, 16-17=-134/212. 15-16=-134/212

WEBS 13-16=-123/90, 12-17=-95/46, 10-18=-318/97, 8-19=-155/98, 7-21=-197/82,

6-22=-173/83. 5-23=-144/87. 4-24=-116/68.

3-25=-224/159

### NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Corner(3E) 0-4-6 to 3-4-6, Exterior(2N) 3-4-6 to 12-4-8, Corner(3R) 12-4-8 to 17-1-12, Corner(3E) 17-1-12 to 20-1-12 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
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00: Ct=1.10
- Unbalanced snow loads have been considered for this design.
- Provide adequate drainage to prevent water ponding. All plates are 2x4 MT20 unless otherwise indicated.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

- 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) 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.
- 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 130 lb uplift at joint
- 13) N/A
- 14) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 15) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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

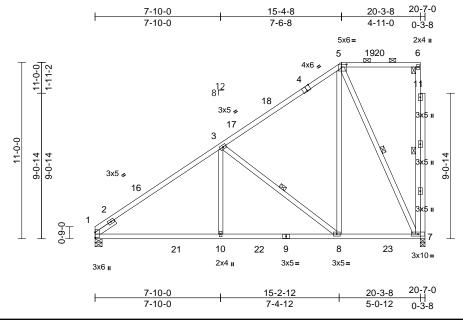
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall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



Job	Truss	Truss Type	Qty	Ply	Install 2 Oak Meadow-Roof-Maxwell FA 3CG SP BR4 FE
25040237-A	C01	Piggyback Base	10	1	Job Reference (optional)

Run: 8.73 S Feb 19 2025 Print: 8.730 S Feb 19 2025 MiTek Industries, Inc. Wed Apr 30 06:59:52 ID:2os6LxnsqQeEJZt5MacP7CzsNra-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:71.9

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.94	Vert(LL)	0.08	10-14	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.72	Vert(CT)	-0.15	10-14	>999	180		
TCDL	10.0	Rep Stress Incr	NO	WB	0.67	Horz(CT)	0.03	7	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 150 lb	FT = 20%

### LUMBER

TOP CHORD 2x4 SP No.2 \*Except\* 1-4:2x4 SP No.1

2x4 SP No.2 BOT CHORD

**WEBS** 2x4 SP No.2 \*Except\* 3-10,8-3:2x4 SP No.3

**OTHERS** 2x4 SP No.2

**SLIDER** Left 2x4 SP No.2 -- 1-6-0

BRACING

TOP CHORD Structural wood sheathing directly applied or

3-11-15 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-6.

**BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc

bracing.

WEBS 1 Row at midpt 6-7, 3-8, 5-7

REACTIONS (size) 1=0-5-4, 7=0-3-8 Max Horiz 1=379 (LC 13)

Max Uplift 1=-74 (LC 14), 7=-255 (LC 14)

Max Grav 1=1027 (LC 43), 7=1696 (LC 43)

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

1-3=-1291/115, 3-5=-705/177, 5-6=-142/185,

TOP CHORD 6-7=-1020/185

1-10=-343/1276, 8-10=-184/1276, 7-8=-129/561

WEBS 3-10=0/404, 3-8=-886/245, 5-8=-74/797,

5-7=-1072/163

### NOTES

**BOT CHORD** 

- 1) Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-0 to 3-0-0. Interior (1) 3-0-0 to 11-1-9, Exterior(2R) 11-1-9 to 17-1-12, Exterior(2E) 17-1-12 to 20-1-12 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

- TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00: Ct=1.10
- 4) Unbalanced snow loads have been considered for this design.
- 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.
- Bearing at joint(s) 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 1 and 7. This connection is for uplift only and does not consider lateral forces.
- 10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 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

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

Uniform Loads (lb/ft)

Vert: 1-5=-60, 5-6=-60, 7-12=-20

Concentrated Loads (lb)

Vert: 6=-700



May 1,2025

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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Ply Job Truss Truss Type Qtv Install 2 Oak Meadow-Roof-Maxwell FA 3CG SP BR4 FF 25040237-A A02 Attic Supported Gable Job Reference (optional) Run: 8.73 S Feb 19 2025 Print: 8.730 S Feb 19 2025 MiTek Industries, Inc. Wed Apr 30 06:59:51 Carter Components (Chesapeake), Chesapeake, VA - 23323 Page: 1 ID:IViCUy8pfeKQqhsmrk7N4XzsNoW-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f 13-10-14 -0-10-8 25-0-2 30-0-7 39-9-8 8-10-9 12-11-12 23-6-8 38-11-0 0-10-8 0-10-8 8-10-9 4-1-3 8-2-0 4-1-3 8-10-9 0-11-2 1-5-10 1-5-10 0-11-2 5x6= 4x6= 5x6= 4x5 II 14 12 1565 16 4x5 II 4x6= <sup>17</sup>18 10<sup>11</sup> 1<u>2</u> 8 9 58 60 61 19 62 59 4x8 🚜 4x8<sub>♠</sub> <sup>20</sup>21 7<sup>8</sup> 663 6622 8-11-6 8-11 24 26 27 56 55 36 3534 31 29 3x6 II 3x6= 27-0-0 12-11-12 25-11-4 11-11-0 25-9-8 38-11-0 1-0-12 0-1-12 11-11-0 12-8-0 11-11-0 0-1-12 1-0-12 Scale = 1:79 Plate Offsets (X, Y): [7:0-4-0,Edge], [12:0-3-12,0-2-0], [16:0-3-12,0-2-0], [21:0-4-0,Edge], [28:Edge,0-3-8] Loading 1-11-4 CSI DEFL in I/defI L/d **PLATES** GRIP (psf) Spacing (loc) TCLL (roof) 20.0 Plate Grip DOL 1.15 TC 0.41 Vert(LL) n/a 999 MT20 244/190 n/a Snow (Pf) 20.0 Lumber DOL 1.15 BC 0.12 Vert(CT) n/a n/a 999 TCDL 10.0 Rep Stress Incr WB Horz(CT) 28 YES 0.15 0.01 n/a **BCLL** 0.0 Code IRC2018/TPI2014 Matrix-MSH Weight: 304 lb BCDL 10.0 FT = 20%LUMBER Max Grav 28=286 (LC 23), 29=158 (LC 54), **WEBS** 14-58=-67/17, 42-43=-122/0, 13-59=-131/36, 30=200 (LC 32), 31=191 (LC 32), 44-45=-104/0, 46-47=-153/0, 15-60=-131/36, 2x6 SP No.2 \*Except\* 12-16,7-1,21-27:2x4 TOP CHORD 40-41=-104/0, 38-39=-153/0, 32=201 (LC 54), 33=249 (LC 54), SP No 2 34=166 (LC 54), 36=483 (LC 6), 11-62=-145/682, 59-62=-152/711, BOT CHORD 2x4 SP No.2 WEBS 2x4 SP No.3 \*Except\* 57-2,28-26,11-17:2x4 39=291 (LC 21), 41=213 (LC 21), 58-59=-152/711. 58-60=-152/711. 43=242 (LC 21), 45=213 (LC 21), 60-61=-152/711, 17-61=-143/682 SP No.2 9-51=-127/60, 8-52=-188/85, 6-53=-145/75, 47=291 (LC 21), 49=504 (LC 57), **OTHERS** 2x4 SP No.3 5-54=-138/81, 4-55=-147/76, 3-56=-112/108, 51=162 (LC 52), 52=247 (LC 52), BRACING 19-34=-127/60, 20-33=-188/86, 53=203 (LC 52), 54=192 (LC 26), TOP CHORD Structural wood sheathing directly applied or 22-32=-145/73, 23-31=-138/81, 55=196 (LC 26), 56=186 (LC 52), 6-0-0 oc purlins, except end verticals, and 57=289 (LC 27) 24-30=-147/77, 25-29=-97/97, 2-0-0 oc purlins (5-6-9 max.): 12-16. **FORCES** (lb) - Maximum Compression/Maximum 48-49=-438/113, 10-48=-418/124, **BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc 36-37=-438/63, 18-37=-418/75, Tension bracing. 16-61=-75/256, 12-62=-78/256 TOP CHORD 2-57=-240/137, 1-2=0/33, 2-3=-289/217, **WEBS** 1 Row at midpt 10-49, 18-36 3-4=-237/188, 4-5=-234/187, 5-6=-221/183, JOINTS 1 Brace at Jt(s): 58, NOTES 6-8=-238/183, 8-9=-254/234, 9-10=-246/278, 1) Unbalanced roof live loads have been considered for 10-11=-431/276, 11-12=-978/248, this design. REACTIONS (size) 28=38-11-0, 29=38-11-0, 12-13=-863/228. 13-14=-863/228. 30=38-11-0, 31=38-11-0, 14-15=-863/228, 15-16=-863/228, 32=38-11-0, 33=38-11-0, 16-17=-978/248, 17-18=-431/276, 34=38-11-0, 36=38-11-0, 18-19=-246/278, 19-20=-254/234, 39=38-11-0, 41=38-11-0, 20-22=-238/181, 22-23=-218/131 43=38-11-0, 45=38-11-0, 23-24=-206/108, 24-25=-199/110, ORTH 47=38-11-0, 49=38-11-0, 25-26=-250/128, 26-27=0/33, 26-28=-240/75 51=38-11-0, 52=38-11-0, **BOT CHORD** 56-57=-98/192, 55-56=-98/192, 53=38-11-0, 54=38-11-0, 54-55=-98/192, 53-54=-98/192, 55=38-11-0, 56=38-11-0, 52-53=-98/192, 51-52=-98/192, 57=38-11-0 49-51=-98/192, 47-49=-96/187, Max Horiz 57=-256 (LC 12) 45-47=-96/187, 43-45=-96/187, Max Uplift 28=-90 (LC 11), 29=-104 (LC 15), 41-43=-96/187, 39-41=-96/187, 30=-49 (LC 15), 31=-59 (LC 15), 36-39=-96/187, 34-36=-98/192, 32=-50 (LC 15), 33=-62 (LC 15), 33-34=-98/192, 32-33=-98/192, 34=-42 (LC 15), 36=-39 (LC 10), 31-32=-98/192, 30-31=-98/192, 49=-88 (LC 11), 51=-39 (LC 14), 29-30=-98/192, 28-29=-98/192, 46-48=-2/6, 52=-61 (LC 14), 53=-51 (LC 14), 44-46=-2/6, 42-44=-2/6, 40-42=-2/6, 54=-60 (LC 14), 55=-46 (LC 14), 38-40=-2/6, 37-38=-2/6 56=-126 (LC 14), 57=-166 (LC 10) minim

### Continued on page 2

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.sbcacomponents.com)



May 1,2025

Job		Truss	Truss Type	Qty	Ply	Install 2 Oak Meadow-Roof-Maxwell FA 3CG SP BR4 FE
250402	37-A	A02	Attic Supported Gable	1	1	I73125342 Job Reference (optional)

Run: 8.73 S. Feb 19 2025 Print: 8.730 S. Feb 19 2025 MiTek Industries. Inc. Wed Apr 30 06:59:51 ID:IViCUy8pfeKQqhsmrk7N4XzsNoW-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 2

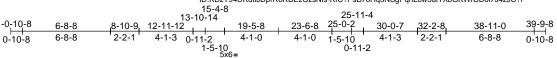
- Wind: ASCE 7-16: Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Corner(3E) -0-10-8 to 3-0-3, Exterior(2N) 3-0-3 to 11-5-8, Corner(3R) 11-5-8 to 27-5-8, Exterior(2N) 27-5-8 to 35-10-13, Corner(3E) 35-10-13 to 39-9-8 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.
- TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
- Unbalanced snow loads have been considered for this
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- Provide adequate drainage to prevent water ponding.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- 10) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 11) Gable studs spaced at 2-0-0 oc.
- 12) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 13) \* 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.
- 14) Ceiling dead load (5.0 psf) on member(s). 10-11, 17-18, 11-62, 59-62, 58-59, 58-60, 60-61, 17-61; Wall dead load (5.0psf) on member(s).48-49, 10-48, 36-37, 18-37
- 15) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 90 lb uplift at joint 28, 166 lb uplift at joint 57, 39 lb uplift at joint 51, 61 lb uplift at joint 52, 51 lb uplift at joint 53, 60 lb uplift at joint 54, 46 lb uplift at joint 55, 126 lb uplift at joint 56, 42 lb uplift at joint 34, 62 lb uplift at joint 33, 50 lb uplift at joint 32, 59 lb uplift at joint 31, 49 lb uplift at joint 30, 104 lb uplift at joint 29, 88 lb uplift at joint 49 and 39 lb uplift at joint 36.
- 16) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 17) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 18) Attic room checked for L/360 deflection.

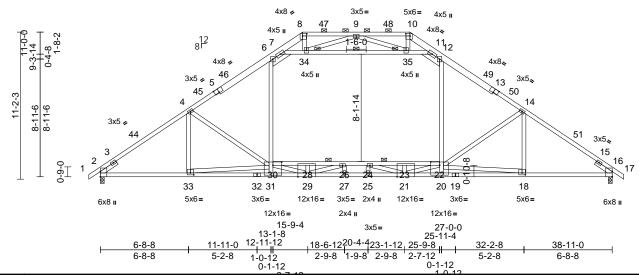
LOAD CASE(S) Standard

Job Truss Truss Type Qtv Ply Install 2 Oak Meadow-Roof-Maxwell FA 3CG SP BR4 FE 25040237-A A01 Attic 8 Job Reference (optional) Page: 1

Carter Components (Chesapeake), Chesapeake, VA - 23323

Run: 8.73 S Feb 19 2025 Print: 8.730 S Feb 19 2025 MiTek Industries, Inc. Wed Apr 30 06:59:50 ID:KDzT94CRdtIJDprRoRBEzOzsNIs-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f





[5:0-4-0,Edge], [8:0-3-12,0-2-0], [10:0-3-12,0-2-0], [13:0-4-0,Edge], [18:0-3-0,0-1-12], [20:0-8-0,0-3-0], [21:0-5-4,Edge], [29:0-7-4,Edge], [31:0-8-0,0-3-0], Plate Offsets (X, Y): [33:0-3-0,0-1-12]

	, ,	<u> </u>										
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.72	Vert(LL)	-0.24	26-28	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.96	Vert(CT)	-0.45	24-26	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.96	Horz(CT)	0.13	16	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH		Attic	0.14	22-30	>999	360		
BCDL	10.0										Weight: 303 lb	FT = 20%

LUMBER

WFBS

Scale = 1:87.6

TOP CHORD 2x6 SP No.2 \*Except\* 8-10:2x4 SP No.2,

5-1,13-17:2x4 SP 2400F 2.0E **BOT CHORD** 

2x4 SP 2400F 2.0E \*Except\* 30-22,32-19:2x4

SP No.2

2x4 SP No.3 \*Except\* 7-11:2x4 SP No.2 **WEBS** SLIDER Left 2x4 SP No.3 -- 1-6-0, Right 2x4 SP No.2

-- 1-6-0

**BRACING** TOP CHORD Structural wood sheathing directly applied or

3-0-7 oc purlins, except

2-0-0 oc purlins (6-0-0 max.): 8-10.

BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.

3 Rows at 1/4 pts 7-11

REACTIONS (size) 2=0-3-8, 16=0-3-8

Max Horiz 2=-255 (LC 12)

Max Grav 2=2219 (LC 48), 16=2219 (LC 48)

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

Tension

TOP CHORD 1-2=0/29, 2-4=-3589/0, 4-6=-3523/0,

6-7=-2644/0, 7-8=-670/189, 8-9=-465/247, 9-10=-465/248, 10-11=-670/190,

11-12=-2644/0, 12-14=-3523/0, 14-16=-3589/0, 16-17=0/29

BOT CHORD 2-33=-182/2868. 31-33=-518/1812.

29-31=-560/1805, 27-29=0/3238 25-27=0/3238, 21-25=0/3238

20-21=-420/1805, 18-20=-377/1812,

16-18=-33/2868, 28-30=-358/904,

26-28=-358/904, 24-26=-925/181.

23-24=-440/904, 22-23=-440/904

WFBS

4-33=-275/67, 4-30=-364/305, 30-31=0/246, 6-30=0/1173, 20-22=0/246, 12-22=0/1173, 14-22=-364/314, 14-18=-276/81,

7-34=-2993/0, 34-35=-2654/0,

11-35=-2993/0, 8-34=-11/341, 10-35=-11/341, 9-35=-661/207, 9-34=-661/207,

30-33=-34/2153, 18-22=-108/2153

21-22=0/2015, 29-30=0/2015, 21-23=-369/0,

28-29=-369/0, 21-24=-1137/330,

26-29=-1138/330, 26-27=-60/131,

24-25=-60/131

### **NOTES**

- Unbalanced roof live loads have been considered for 1) this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -0-10-8 to 3-0-3. Interior (1) 3-0-3 to 9-10-7, Exterior(2R) 9-10-7 to 29-0-9, Interior (1) 29-0-9 to 35-10-13, Exterior(2E) 35-10-13 to 39-9-8 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
- TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
- Unbalanced snow loads have been considered for this
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- Provide adequate drainage to prevent water ponding. This truss has been designed for a 10.0 psf bottom
- chord live load nonconcurrent with any other live loads.

- \* This truss has been designed for a live load of 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.
- Ceiling dead load (5.0 psf) on member(s). 6-7, 11-12, 7-34, 34-35, 11-35; Wall dead load (5.0psf) on member (s).6-30, 12-22
- 10) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 28-30, 26-28, 24-26, 23-24, 22-23
- 11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord
- 13) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard



May 1,2025

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/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.sbcacomponents.com)



### Symbols

## PLATE LOCATION AND ORIENTATION



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



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

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

\*Plate location details available in MiTek software or upon request.

### PLATE SIZE

4 × 4

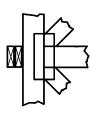
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

### 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.

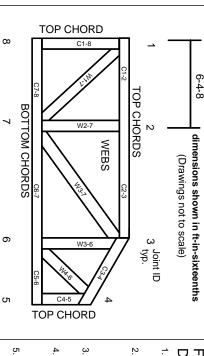
### Industry Standards: ANSI/TPI1: National I

National Design Specification for Metal Plate Connected Wood Truss Construction. Design Standard for Bracing.

Building Component Safety Information, Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses.

DSB-22:

## Numbering System



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

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

# **Product Code Approvals**

ICC-ES Reports:

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

# Design General Notes

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

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

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### MITEK®



MiTek Engineering Reference Sheet: MII-7473 rev. 1/2/2023

# ▲ General Safety Notes

# Failure to Follow Could Cause Property Damage or Personal Injury

- Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI
- 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.
- Never exceed the design loading shown and never stack materials on inadequately braced trusses.
- Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
- Cut members to bear tightly against each other.
- Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
- Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
- Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.

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- Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
- Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
- Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
- Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
- Top chords must be sheathed or purlins provided at spacing indicated on design.
- 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.
- Do not cut or alter truss member or plate without prior approval of an engineer.
- Install and load vertically unless indicated otherwise.
- Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
- Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
- Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.
- The design does not take into account any dynamic or other loads other than those expressly stated.