



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

RE: 3371626 - CJ CONST. - CADY RES.

MiTek USA, Inc.

16023 Swingley Ridge Rd
Chesterfield, MO 63017

Site Information:

Customer Info: CHARLES JOHNSON CONST. Project Name: Cady Res. Model: Custom
Lot/Block: N/A Subdivision: N/A
Address: 433 SW Finley Little Lane, N/A
City: Columbia Cty State: FL

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

Name: License #:
Address:
City: State:

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):

Design Code: FBC2020/TPI2014 Design Program: MiTek 20/20 8.5
Wind Code: ASCE 7-16 Wind Speed: 130 mph
Roof Load: 37.0 psf Floor Load: N/A psf

This package includes 40 individual, Truss Design Drawings and 0 Additional Drawings.

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

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	T30317741	EJ01	4/14/23	15	T30317755	T07	4/14/23
2	T30317742	PB01	4/14/23	16	T30317756	T08	4/14/23
3	T30317743	PB01G	4/14/23	17	T30317757	T09	4/14/23
4	T30317744	PB02	4/14/23	18	T30317758	T10	4/14/23
5	T30317745	PB03	4/14/23	19	T30317759	T10G	4/14/23
6	T30317746	PB03G	4/14/23	20	T30317760	T11	4/14/23
7	T30317747	T01	4/14/23	21	T30317761	T12	4/14/23
8	T30317748	T01G	4/14/23	22	T30317762	T13	4/14/23
9	T30317749	T02	4/14/23	23	T30317763	T13G	4/14/23
10	T30317750	T03	4/14/23	24	T30317764	T14	4/14/23
11	T30317751	T04	4/14/23	25	T30317765	T14G	4/14/23
12	T30317752	T05	4/14/23	26	T30317766	T15	4/14/23
13	T30317753	T06	4/14/23	27	T30317767	T16	4/14/23
14	T30317754	T06G	4/14/23	28	T30317768	T17	4/14/23

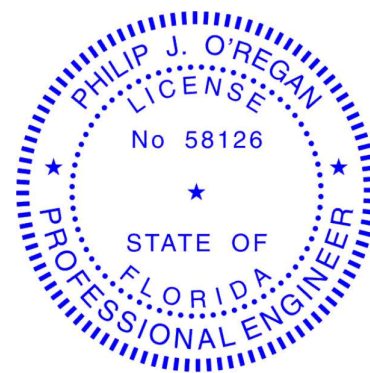


This item has been electronically signed and sealed by ORegan, Philip, PE using a Digital Signature.

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

The truss drawing(s) referenced above have been prepared by
MiTek USA, Inc. under my direct supervision based on the parameters
provided by Builders FirstSource-Lake City, FL.

Truss Design Engineer's Name: ORegan, Philip
My license renewal date for the state of Florida is February 28, 2025.



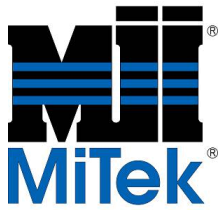
Philip J. O'Regan PE No.58126
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

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

April 14, 2023

ORegan, Philip

1 of 2



RE: 3371626 - CJ CONST. - CADY RES.

MiTek USA, Inc.

16023 Swingley Ridge Rd
Chesterfield, MO 63017

Site Information:

Customer Info: CHARLES JOHNSON CONST. Project Name: Cady Res. Model: Custom
Lot/Block: N/A Subdivision: N/A
Address: 433 SW Finley Little Lane, N/A
City: Columbia Cty State: FL

No.	Seal#	Truss Name	Date
29	T30317769	T18	4/14/23
30	T30317770	T18G	4/14/23
31	T30317771	TG01	4/14/23
32	T30317772	TG02	4/14/23
33	T30317773	V01	4/14/23
34	T30317774	V02	4/14/23
35	T30317775	V03	4/14/23
36	T30317776	V04	4/14/23
37	T30317777	V05	4/14/23
38	T30317778	V06	4/14/23
39	T30317779	V07	4/14/23
40	T30317780	V08	4/14/23

Job	Truss	Truss Type	Qty	Ply	CJ CONST. - CADY RES.	T30317741
3371626	EJ01	Jack-Open	19	1	Job Reference (optional)	

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

8.530 s Mar 9 2023 MiTek Industries, Inc. Thu Apr 13 14:24:43 2023 Page 1
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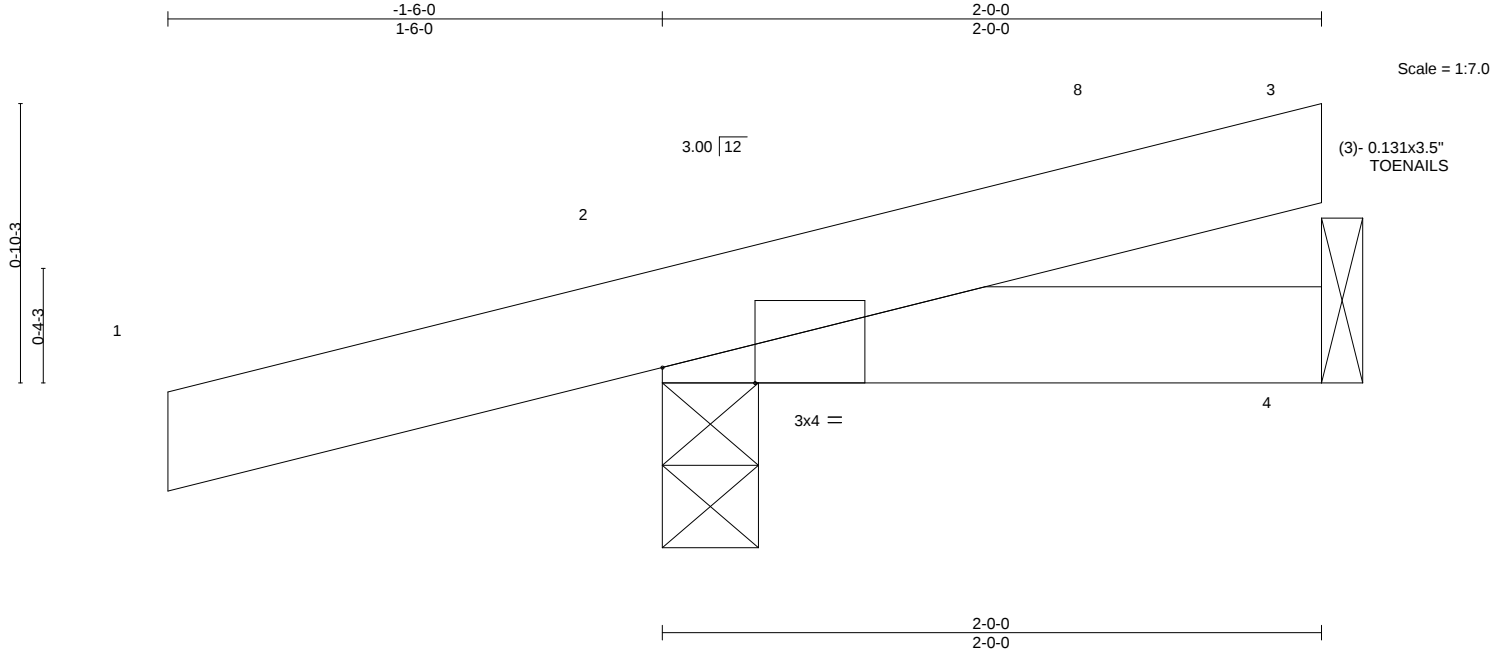


Plate Offsets (X,Y)--		[2:0-3-6,Edge]											
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d				PLATES GRIP			
TCLL	20.0	Plate Grip DOL	1.25	TC	0.12	Vert(LL)	-0.00	7	>999	240	MT20	244/190	
TCDL	7.0	Lumber DOL	1.25	BC	0.07	Vert(CT)	-0.00	7	>999	180			
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a			
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MP						Weight: 8 lb FT = 20%			

LUMBER-

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

REACTIONS.

(size) 2=0-3-8, 4=Mechanical
Max Horz 2=33(LC 8)
Max Uplift 2=-95(LC 8), 4=-14(LC 9)
Max Grav 2=185(LC 1), 4=46(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 2-0-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.

This item has been electronically signed and sealed by ORegan, Philip, PE using a Digital Signature. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

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

April 14,2023

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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

Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	CJ CONST. - CADY RES.	T30317742
3371626	PB01	Piggyback	25	1	Job Reference (optional)	

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

8.530 s Mar 9 2023 MiTek Industries, Inc. Thu Apr 13 14:24:44 2023 Page 1
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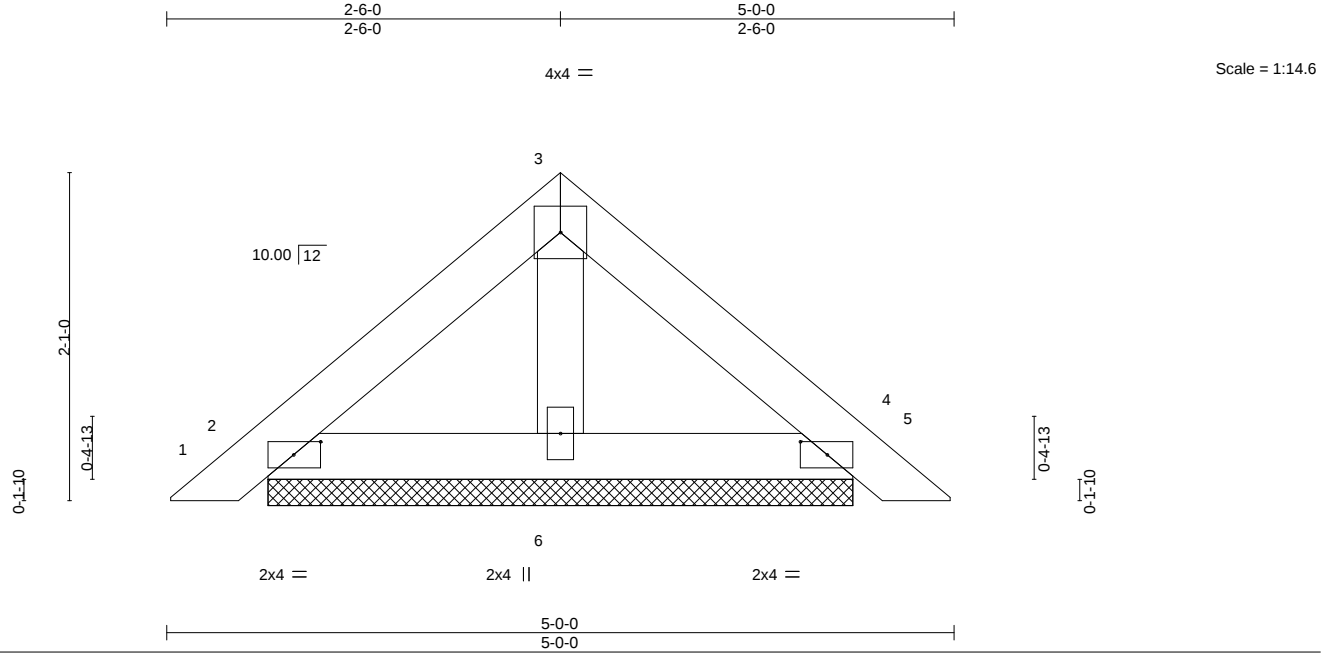


Plate Offsets (X,Y)--		[2:0-2-1,0-1-0], [4:0-2-1,0-1-0]			
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.07	Vert(LL) 0.00 4 n/r 120	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.04	Vert(CT) 0.00 5 n/r 120		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.01	Horz(CT) 0.00 4 n/a n/a		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-P		Weight: 17 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 5-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 2=3-8-9, 4=3-8-9, 6=3-8-9
Max Horz 2=-41(LC 10)
Max Uplift 2=-32(LC 12), 4=-37(LC 13), 6=-4(LC 12)
Max Grav 2=102(LC 1), 4=102(LC 1), 6=115(LC 1)

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4, 6.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

This item has been electronically signed and sealed by ORegan, Philip, PE using a Digital Signature. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

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

April 14,2023

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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	CJ CONST. - CADY RES.	T30317743
3371626	PB01G	PIGGYBACK	2	1	Job Reference (optional)	

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

8.530 s Mar 9 2023 MiTek Industries, Inc. Thu Apr 13 14:24:45 2023 Page 1

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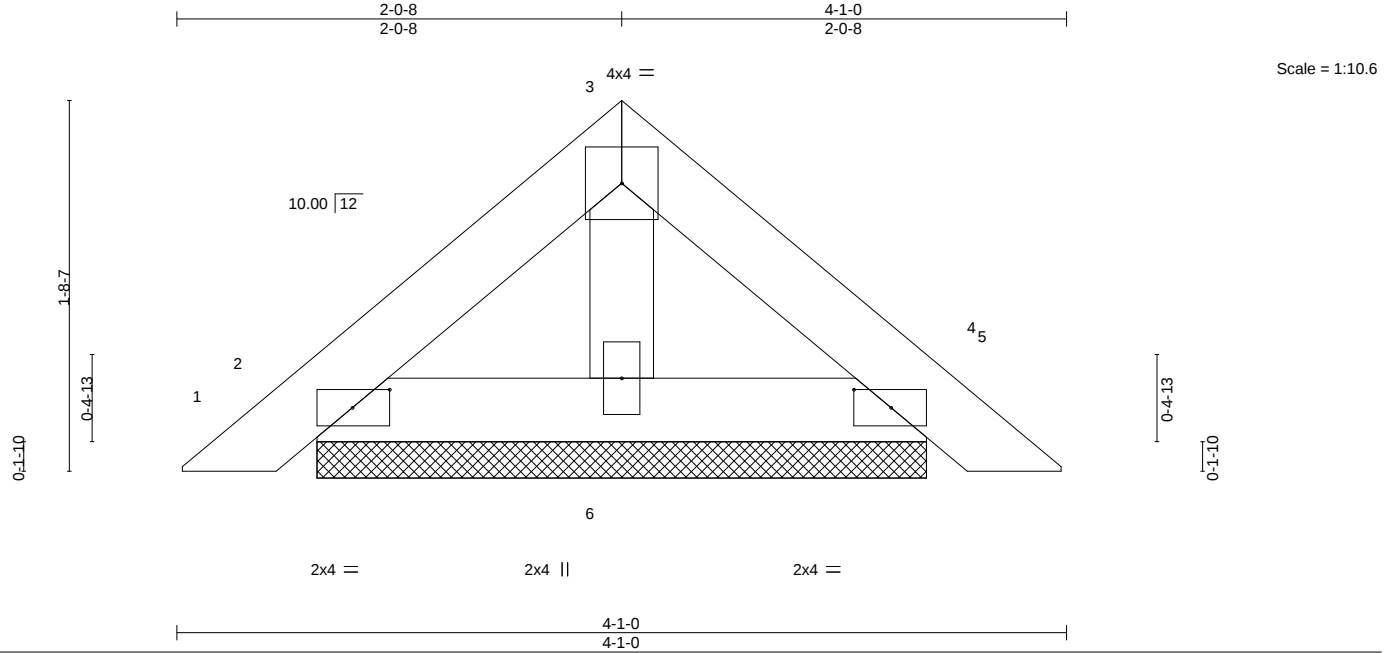


Plate Offsets (X,Y)--		[2:0-2-1,0-1-0], [4:0-2-1,0-1-0]							
LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in (loc)	l/defl	L/d
TCLL	20.0	Plate Grip DOL	1.25	TC	0.04	Vert(LL)	0.00	4	n/r
TCDL	7.0	Lumber DOL	1.25	BC	0.02	Vert(CT)	0.00	4	n/r
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.01	Horz(CT)	0.00	4	n/a
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-P					
								PLATES	GRIP
								MT20	244/190
								Weight: 13 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 4-1-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 2=2-9-9, 4=2-9-9, 6=2-9-9
Max Horz 2=-33(LC 10)
Max Uplift 2=-27(LC 12), 4=-31(LC 13), 6=-2(LC 12)
Max Grav 2=83(LC 1), 4=83(LC 1), 6=85(LC 1)

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4, 6.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

April 14,2023

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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

Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	CJ CONST. - CADY RES.	T30317744
3371626	PB02	Piggyback	4	1	Job Reference (optional)	

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

8.530 s Mar 9 2023 MiTek Industries, Inc. Thu Apr 13 14:24:46 2023 Page 1
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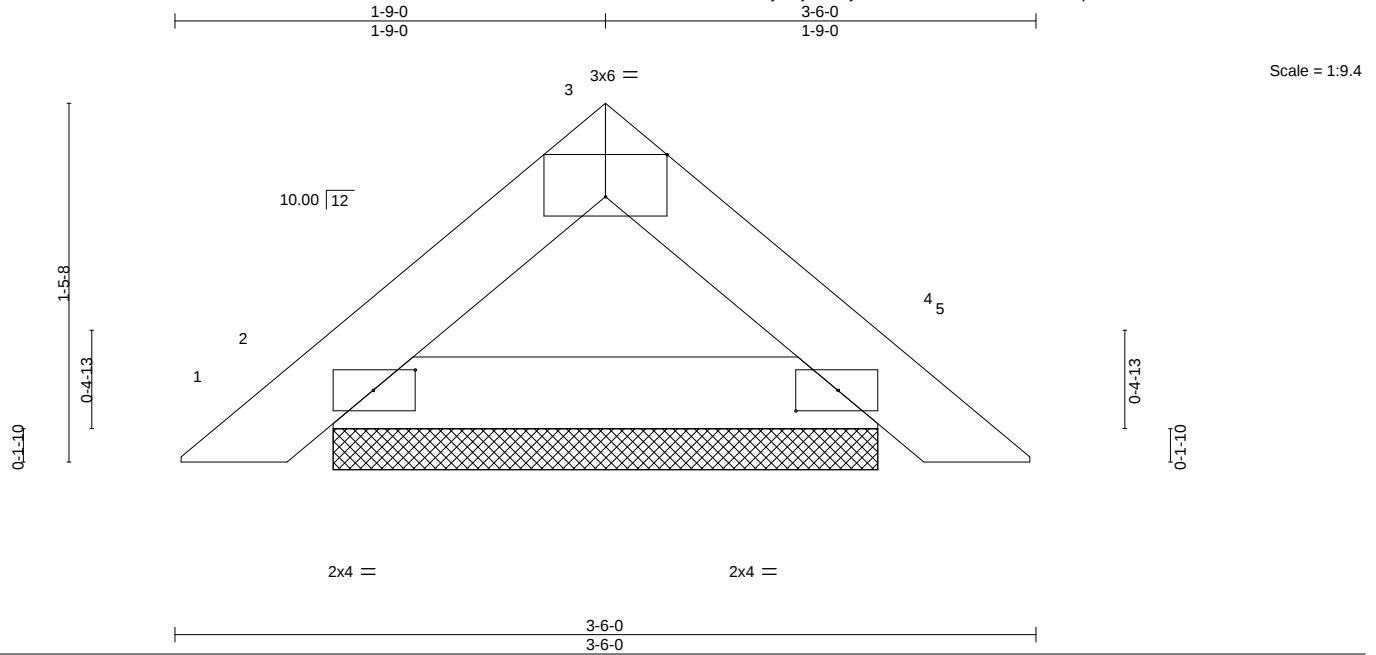


Plate Offsets (X,Y)--		[2:0-2-1,0-1-0], [3:0-3-0,Edge], [4:0-2-1,0-1-0]	
LOADING (psf)		SPACING-	2-0-0
TCLL 20.0		Plate Grip DOL	1.25
TCDL 7.0		Lumber DOL	1.25
BCLL 0.0 *		Rep Stress Incr	YES
BCDL 10.0		Code	FBC2020/TPI2014
		CSI.	
		TC 0.03	
		BC 0.05	
		WB 0.00	
		Matrix-P	
		DEFL.	
		in (loc)	l/defl
		Vert(LL)	0.00 4 n/r 120
		Vert(CT)	0.00 4 n/r 120
		Horz(CT)	0.00 4 n/a n/a
		PLATES	GRIP
		MT20	244/190
		Weight: 10 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-6-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 2=2-2-9, 4=2-2-9
Max Horz 2=-28(LC 10)
Max Uplift 2=-24(LC 12), 4=-24(LC 13)
Max Grav 2=104(LC 1), 4=104(LC 1)

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

April 14,2023

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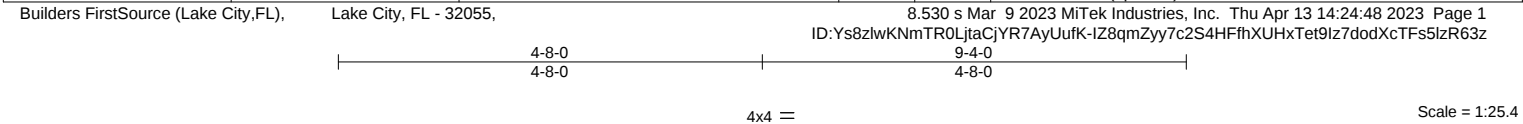
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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	CJ CONST. - CADY RES.	T30317745
3371626	PB03	Piggyback	15	1	Job Reference (optional)	



Job	Truss	Truss Type	Qty	Ply	CJ CONST. - CADY RES.	T30317746
3371626	PB03G	GABLE	2	1	Job Reference (optional)	

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

8.530 s Mar 9 2023 MiTek Industries, Inc. Thu Apr 13 14:24:49 2023 Page 1

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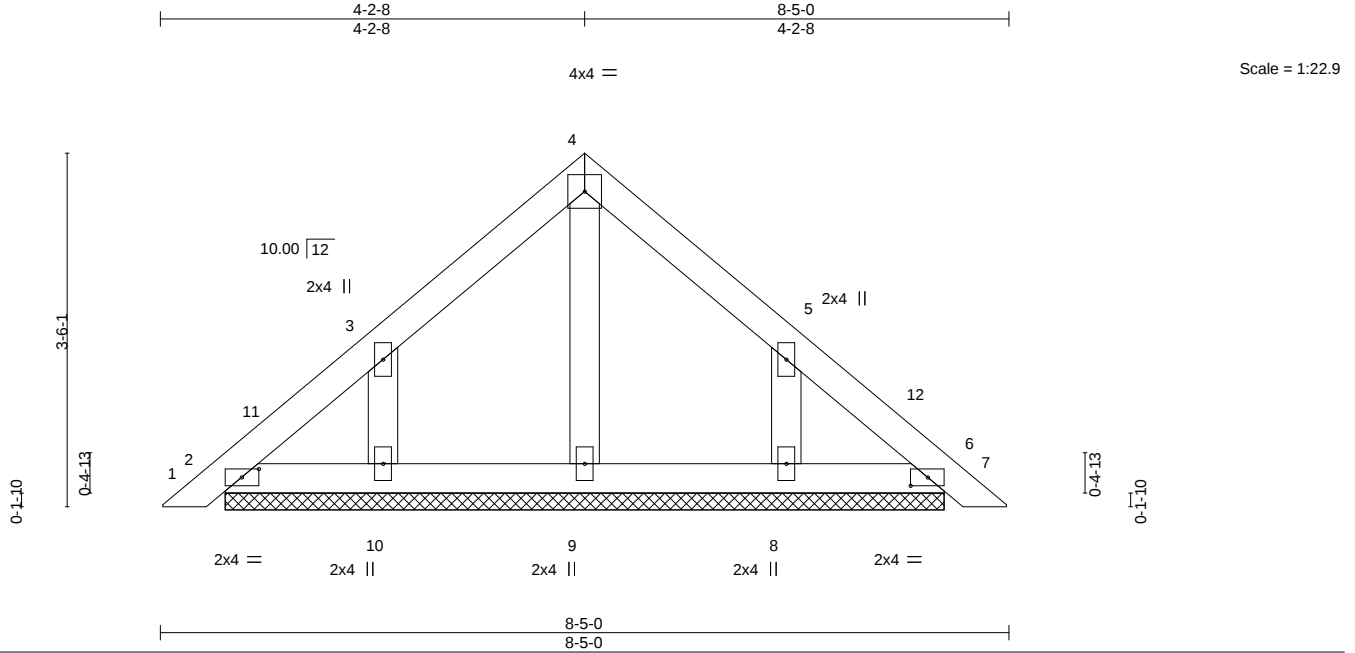


Plate Offsets (X,Y)--		[2:0-2-1,0-1-0], [6:0-2-1,0-1-0]
LOADING (psf)	SPACING-	2-0-0
TCLL 20.0	Plate Grip DOL	1.25
TCDL 7.0	Lumber DOL	1.25
BCLL 0.0 *	Rep Stress Incr	YES
BCDL 10.0	Code	FBC2020/TPI2014
	CSI.	
	TC 0.05	
	BC 0.03	
	WB 0.05	
	Matrix-S	
	DEFL.	
	in (loc)	l/defl
	Vert(LL)	0.00 6 n/r 120
	Vert(CT)	0.00 6 n/r 120
	Horz(CT)	0.00 6 n/a n/a
	PLATES	GRIP
	MT20	244/190
	Weight: 34 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS.

All bearings 7-1-9.
(lb) - Max Horz 2=-73(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 6, 10, 8
Max Grav All reactions 250 lb or less at joint(s) 2, 6, 9, 10, 8

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-2-14 to 3-2-14, Interior(1) 3-2-14 to 4-2-8, Exterior(2R) 4-2-8 to 7-2-8, Interior(1) 7-2-8 to 8-2-2 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6, 10, 8.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

This item has been electronically signed and sealed by O'Regan, Philip, PE using a Digital Signature. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

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

April 14,2023

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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, DSB-89 and BCSI Building Component

Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	CJ CONST. - CADY RES.	T30317747
3371626	T01	Attic	4	1	Job Reference (optional)	

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

8.530 s Mar 9 2023 MiTek Industries, Inc. Thu Apr 13 14:24:51 2023 Page 1
ID:Ys8zlwKNmTR0LjtaCjYR7AyUufK-i8qzPb?rQXQ1xlzEMf2_Z6GEhVo8q0MzJRUI4zR63w

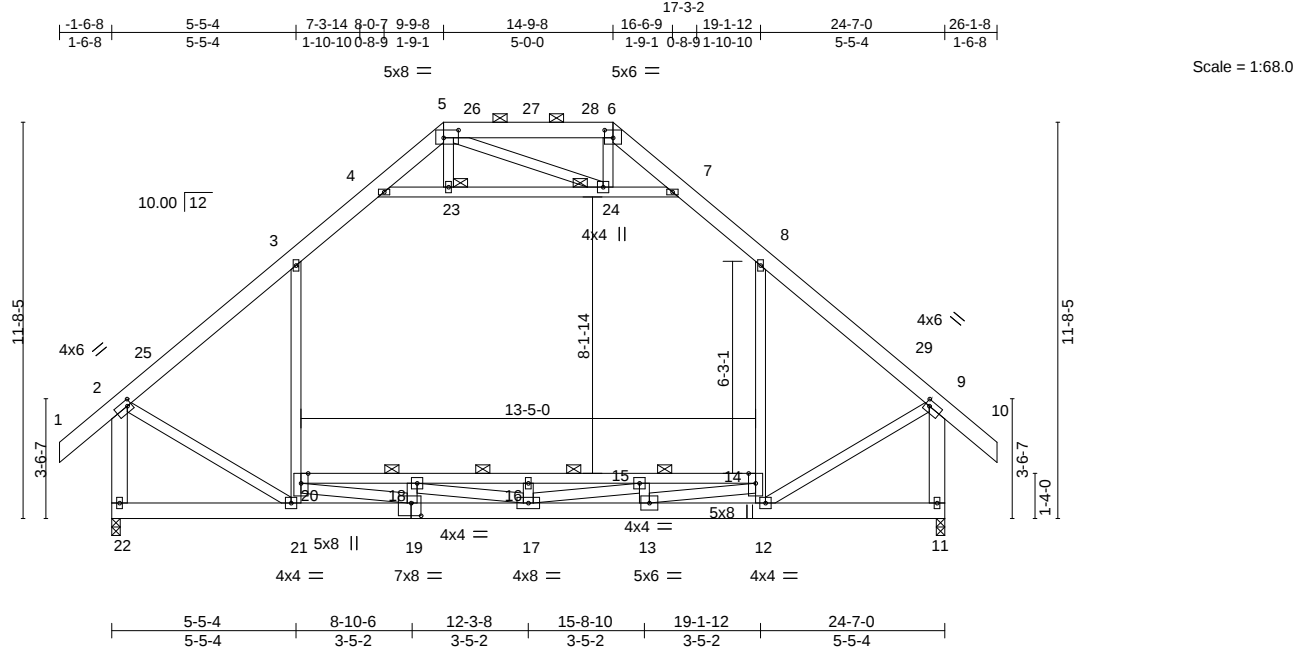


Plate Offsets (X,Y)--		[2:0-1-8,0-2-0], [5:0-5-4,0-2-12], [6:0-3-0,0-2-12], [9:0-1-8,0-2-0], [19:0-3-8,0-4-8]									
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d				PLATES GRIP	
TCLL	20.0	Plate Grip DOL 1.25		TC	0.80	Vert(LL)	-0.20	16	>999	240	MT20 244/190
TCDL	7.0	Lumber DOL 1.25		BC	0.97	Vert(CT)	-0.36	16	>801	180	
BCLL	0.0 *	Rep Stress Incr YES		WB	0.62	Horz(CT)	0.03	11	n/a	n/a	
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS		Attic	-0.13	14-20	1217	360	Weight: 257 lb FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
14-20: 2x4 SP No.1
WEBS 2x4 SP No.3 *Except*
2-22,9-11: 2x6 SP No.2, 19-20,17-18,15-17,13-14: 2x4 SP No.2

REACTIONS.

(size) 22=0-3-0, 11=0-3-0
Max Horz 22=-313(LC 10)
Max Grav 22=1655(LC 2), 11=1655(LC 2)

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

TOP CHORD 2-3=-1373/0, 3-4=-962/101, 4-5=-288/153, 5-6=-145/280, 6-7=-279/156, 7-8=-962/101,
8-9=-1373/0, 2-22=-1637/21, 9-11=-1636/22
BOT CHORD 21-22=-289/350, 19-21=-91/1099, 17-19=0/2994, 13-17=0/2924, 12-13=0/942,
18-20=-2061/0, 16-18=-2903/0, 15-16=-2903/0, 14-15=-2083/0
WEBS 20-21=-346/54, 3-20=0/630, 12-14=-351/58, 8-14=0/628, 4-23=-1136/74,
23-24=-1131/75, 7-24=-1155/76, 2-21=0/1099, 9-12=0/1101, 16-17=-380/0,
18-19=-677/0, 19-20=0/2176, 17-18=-96/922, 13-15=-676/0, 15-17=-111/933,
13-14=0/2195

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl.,
GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-8 to 1-5-8, Interior(1) 1-5-8 to 9-9-8, Exterior(2R) 9-9-8 to 14-0-7, Interior(1) 14-0-7 to 14-9-8, Exterior(2R) 14-9-8 to 19-1-12, Interior(1) 19-1-12 to 26-1-8 zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Ceiling dead load (5.0 psf) on member(s). 3-4, 7-8, 4-23, 23-24, 7-24; Wall dead load (5.0psf) on member(s).3-20, 8-14
- Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 18-20, 16-18, 15-16, 14-15
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- Attic room checked for L/360 deflection.

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

April 14,2023

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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

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16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	CJ CONST. - CADY RES.	T30317748
3371626	T01G	GABLE	1	1	Job Reference (optional)	

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

8.530 s Mar 9 2023 MiTek Industries, Inc. Thu Apr 13 14:24:54 2023 Page 1

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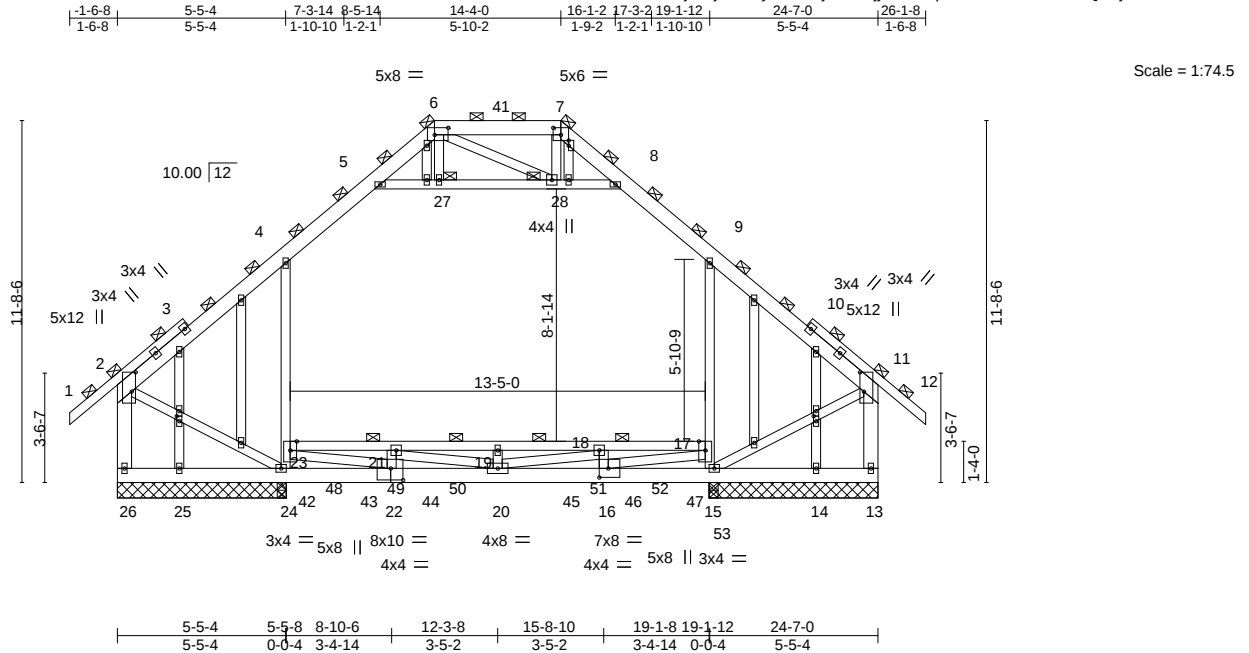


Plate Offsets (X,Y)--										[2:0-7-8,0-1-8], [6:0-5-4,0-2-12], [7:0-3-0,0-2-12], [11:0-7-8,0-1-8], [16:0-3-8,0-3-8], [22:0-4-12,0-4-8], [30:0-1-15,0-1-0], [34:0-2-0,0-0-0], [35:0-1-15,0-1-0]									
LOADING (psf)		SPACING-		2-0-0		CSI.		DEFL.		in (loc)		l/defl		L/d		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL		1.25		TC	0.20	Vert(LL)	-0.13	19	>999	240				MT20	244/190		
TCDL	7.0	Lumber DOL		1.25		BC	0.89	Vert(CT)	-0.23	19	>723	180							
BCLL	0.0 *	Rep Stress Incr		NO		WB	0.96	Horz(CT)	0.02	13	n/a	n/a							
BCDL	10.0	Code FBC2020/TPI2014				Matrix-MS		Attic	-0.12	17-23	1308	360				Weight: 286 lb	FT = 20%		

LUMBER-

TOP CHORD 2x6 SP No.2 *Except*
1-3,10-12: 2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
17-23: 2x4 SP No.1
WEBS 2x4 SP No.3 *Except*
2-26,11-13: 2x6 SP No.2
OTHERS 2x4 SP No.3

BRACING-

TOP CHORD 2-0-0 oc purlins (6-0-0 max.), except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
3-4-0 oc bracing: 17-23
JOINTS 1 Brace at Jt(s): 2, 6, 7, 11, 27, 28

REACTIONS.

All bearings 5-5-8.
(lb) - Max Horz 26=-306(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) 26, 13 except 24=-153(LC 8),
15=-153(LC 9), 14=-205(LC 14), 25=-206(LC 14)
Max Grav All reactions 250 lb or less at joint(s) 14, 25 except 26=753(LC 1),
24=1402(LC 34), 24=829(LC 1), 15=1395(LC 35), 15=829(LC 1), 13=753(LC 1)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-505/102, 4-5=-537/114, 5-6=-376/75, 6-7=-283/91, 7-8=-373/74, 8-9=-537/114,
9-11=-505/95, 2-26=-678/80, 11-13=-678/74
BOT CHORD 25-26=-282/275, 24-25=-282/275, 22-24=-106/435, 20-22=0/2134, 16-20=0/2128,
15-16=-64/405, 21-23=-1978/0, 19-21=-2859/0, 18-19=-2859/0, 17-18=-1997/0
WEBS 23-24=-1055/95, 4-23=-419/225, 15-17=-1055/96, 9-17=-415/225, 2-24=-94/369,
11-15=-92/369, 19-20=-369/0, 21-22=-697/0, 22-23=0/1998, 20-21=0/892, 16-18=-697/0,
18-20=0/895, 16-17=0/2017

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Ceiling dead load (5.0 psf) on member(s). 4-5, 8-9, 5-27, 27-28, 8-28; Wall dead load (5.0psf) on member(s).4-23, 9-17
- Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 21-23, 19-21, 18-19, 17-18

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

April 14,2023

Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.

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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

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16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	CJ CONST. - CADY RES.	T30317748
3371626	T01G	GABLE	1	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL),
Lake City, FL - 32055,
8.530 s Mar 9 2023
MiTek Industries, Inc.
Thu Apr 13 14:24:54 2023
Page 2
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- NOTES-**
- 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 26, 13 except (jt=lb) 24=153, 15=153, 14=205, 25=206.
 - 13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - 14) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 26 lb down and 23 lb up at 6-0-4, 26 lb down and 23 lb up at 8-0-4, 26 lb down and 23 lb up at 10-0-4, 26 lb down and 23 lb up at 12-0-4, 26 lb down and 23 lb up at 12-6-12, 26 lb down and 23 lb up at 14-6-12, and 26 lb down and 23 lb up at 16-6-12, and 26 lb down and 23 lb up at 18-6-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - 15) Attic room checked for L/360 deflection.
 - 16) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

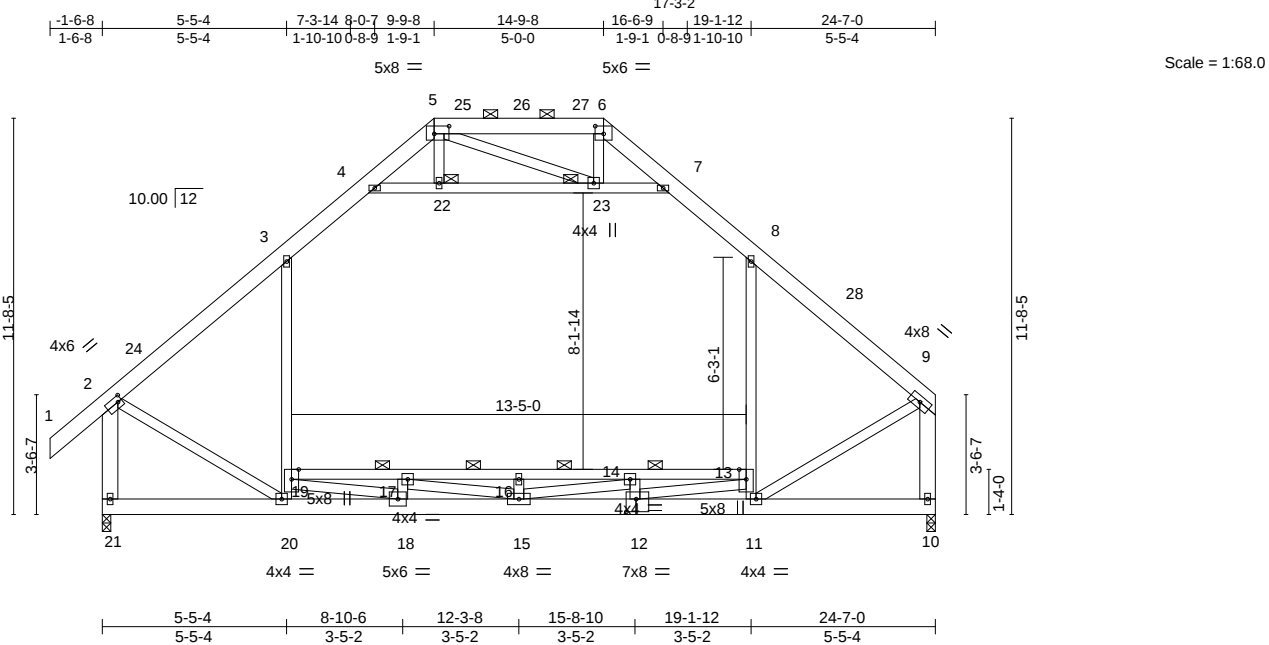
- LOAD CASE(S)** Standard
- 1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
 - Uniform Loads (plf)
 - Vert: 1-2=-54, 2-4=-54, 4-5=-64, 5-6=-54, 6-7=-54, 7-8=-54, 8-9=-64, 9-11=-54, 11-12=-54, 13-26=-20, 17-23=-40, 5-8=-10
 - Drag: 4-23=-10, 9-17=-10
 - Concentrated Loads (lb)
 - Vert: 20=-47(B) 42=-24(B) 43=-24(B) 44=-24(B) 45=-24(B) 46=-24(B) 47=-24(B)

Job	Truss	Truss Type	Qty	Ply	CJ CONST. - CADY RES.	T30317749
3371626	T02	ATTIC	4	1	Job Reference (optional)	

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

8.530 s Mar 9 2023 MiTek Industries, Inc. Thu Apr 13 14:24:56 2023 Page 1

ID:Ys8zlwKNmTR0LjtaCjYR7AyUufK-36dsSI2zE42J2WsC9Ce9G9z5EWVOVHciSjCHNHZr63r



LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.81	Vert(LL)	-0.20 16 >999 240	MT20		244/190	
TCDL	7.0	Lumber DOL	1.25	BC	0.96	Vert(CT)	-0.36 16 >797 180				
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.62	Horz(CT)	0.03 10 n/a n/a				
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS		Attic	-0.13 13-19 1217 360				
								Weight: 252 lb		FT = 20%	

LUMBER-		BRACING-	
TOP CHORD	2x6 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 4-4-9 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-6.
BOT CHORD	2x6 SP No.2 *Except*	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
WEBS	2x4 SP No.3 *Except*		3-4-0 oc bracing: 13-19
	2-21,9-10: 2x6 SP No.2, 18-19,15-17,14-15,12-13: 2x4 SP No.2	JOINTS	1 Brace at Jt(s): 22, 23

REACTIONS. (size) 21=0-3-0, 10=0-3-0
Max Horz 21=302(LC 9)
Max Grav 21=1658(LC 2), 10=1574(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1378/0, 3-4=-965/98, 4-5=-286/154, 5-6=-137/285, 6-7=-273/158, 7-8=-966/100, 8-9=-1373/0, 2-21=-1643/18, 9-10=-1564/0
BOT CHORD 20-21=-296/327, 18-20=-104/1082, 15-18=0/2970, 12-15=0/2936, 11-12=0/955, 17-19=-2077/0, 16-17=-2905/0, 14-16=-2905/0, 13-14=-2072/0
WEBS 19-20=-339/55, 3-19=0/632, 11-13=-378/70, 8-13=0/615, 4-22=-1148/67, 22-23=-1142/69, 7-23=-1168/74, 2-20=0/1104, 9-11=0/1102, 15-16=-380/0, 17-18=-678/0, 18-19=0/2192, 15-17=-93/938, 12-14=-674/0, 14-15=-116/915, 12-13=0/2180

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-8 to 1-5-8, Interior(1) 1-5-8 to 9-9-8, Exterior(2R) 9-9-8 to 14-0-7, Interior(1) 14-0-7 to 14-9-8, Exterior(2R) 14-9-8 to 19-1-12, Interior(1) 19-1-12 to 24-4-4 zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Ceiling dead load (5.0 psf) on member(s). 3-4, 7-8, 4-22, 22-23, 7-23; Wall dead load (5.0psf) on member(s).3-19, 8-13
 - Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 17-19, 16-17, 14-16, 13-14
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - Attic room checked for L/360 deflection.

This item has been electronically signed and sealed by ORegan, Philip, PE using a Digital Signature. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

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

April 14,2023



Job	Truss	Truss Type	Qty	Ply	CJ CONST. - CADY RES.	T30317750
3371626	T03	ATTIC	1	2	Job Reference (optional)	

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

8.530 s Mar 9 2023 MiTek Industries, Inc. Thu Apr 13 14:24:59 2023 Page 1
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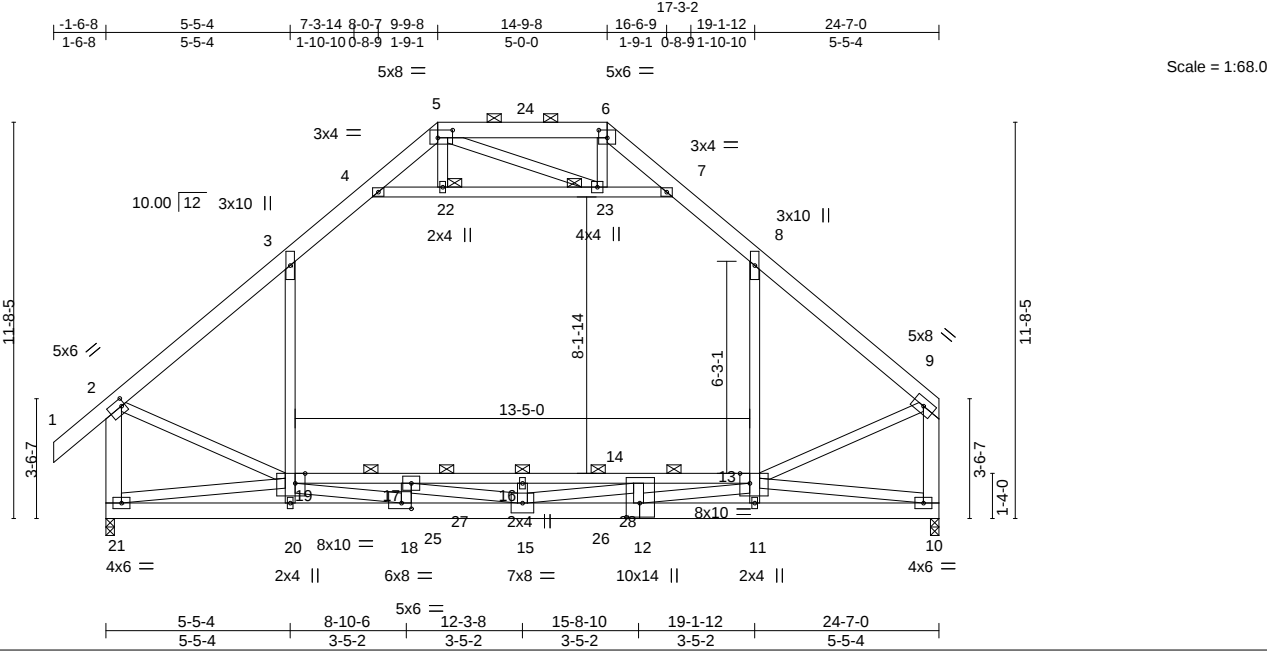


Plate Offsets (X,Y)--		[2:0-1-4,0-2-8], [5:0-5-4,0-2-12], [6:0-3-0,0-2-12], [12:0-5-0,0-4-12], [13:0-3-8,Edge], [18:0-3-8,0-2-0], [19:0-3-8,Edge]																	
LOADING (psf)		SPACING-		2-0-0		CSI.		DEFL.		in (loc)		I/defl		L/d		PLATES		GRIP	
TCLL 20.0		Plate Grip DOL		1.25		TC 0.56		Vert(LL)		-0.33 16-17		>891		240		MT20		244/190	
TCDL 7.0		Lumber DOL		1.25		BC 0.97		Vert(CT)		-0.50 16-17		>579		180					
BCLL 0.0 *		Rep Stress Incr		NO		WB 0.77		Horz(CT)		0.01 10		n/a		n/a					
BCDL 10.0		Code FBC2020/TPI2014				Matrix-MS		Attic		-0.23 13-19		701		360		Weight: 532 lb		FT = 20%	

LUMBER-	BRACING-
TOP CHORD 2x6 SP M 26 *Except* 5-6: 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (10-0-0 max.): 5-6.
BOT CHORD 2x6 SP M 26 *Except* 13-19: 2x4 SP No.2, 10-12: 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
WEBS 2x4 SP No.3 *Except* 2-21,9-10: 2x6 SP No.2, 18-19,15-17,14-15,12-13: 2x4 SP No.1	JOINTS 1 Brace at Jt(s): 22, 23

REACTIONS. (size) 21=0-3-0, 10=0-3-0
Max Horz 21=302(LC 27)
Max Uplift 21=-528(LC 8), 10=-472(LC 9)
Max Grav 21=3845(LC 34), 10=3656(LC 34)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4030/612, 3-4=-2399/423, 4-5=-113/792, 5-6=-191/1324, 6-7=-125/875,
7-8=-2438/426, 8-9=-4097/601, 2-21=-4146/600, 9-10=-4114/584
BOT CHORD 20-21=-1717/880, 18-20=-1862/908, 15-18=-1406/7672, 12-15=-1095/6721,
11-12=-2193/817, 10-11=-2044/788, 17-19=-4716/983, 16-17=-8653/1397,
14-16=-8653/1397, 13-14=-3924/851
WEBS 19-20=-67/550, 3-19=-449/2501, 11-13=-41/458, 8-13=-440/2435, 4-22=-4065/716,
22-23=-4054/717, 7-23=-4215/734, 2-19=-403/2871, 9-13=-426/3003, 15-16=-1429/105,
17-18=-1922/215, 18-19=-1620/9267, 15-17=-852/4370, 12-14=-2000/250,
14-15=-1049/5152, 12-13=-1584/9148, 19-21=-643/1736, 10-13=-818/2199

- NOTES-
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
 - Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Ceiling dead load (5.0 psf) on member(s). 3-4, 7-8, 4-22, 22-23, 7-23; Wall dead load (5.0psf) on member(s).3-19, 8-13

Continuous live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 17-19, 16-17, 14-16, 13-14

This item has been electronically signed and sealed by O'Regan, Philip, PE using a Digital Signature. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

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

April 14,2023

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.

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16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	CJ CONST. - CADY RES.	T30317750
3371626	T03	ATTIC	1	2	Job Reference (optional)	

Builders FirstSource (Lake City,FL),
Lake City, FL - 32055,
8.530 s Mar 9 2023
MiTek Industries, Inc.
Thu Apr 13 14:24:59 2023
Page 2
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- NOTES-**
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 21=528, 10=472.
 - 12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - 13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 547 lb down and 324 lb up at 9-6-12, and 559 lb down and 319 lb up at 14-6-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - 14) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
 - Uniform Loads (plf)
 - Vert: 1-2=-54, 2-3=-54, 3-4=-64, 4-5=-54, 5-6=-54, 6-7=-54, 7-8=-64, 8-9=-54, 21-25=-20, 25-26=-195, 10-26=-20, 19-27=-40, 27-28=-215, 13-28=-40, 4-7=-10
 - Drag: 3-19=-10, 8-13=-10
 - Concentrated Loads (lb)
 - Vert: 25=-472(F) 26=-533(F)

Job	Truss	Truss Type	Qty	Ply	CJ CONST. - CADY RES.
3371626	T04	Jack-Partial	5	1	T30317751

Builders FirstSource (Lake City,FL),
Lake City, FL - 32055,
8.530 s Mar 9 2023
MiTek Industries, Inc.
Thu Apr 13 14:25:00 2023
Page 1
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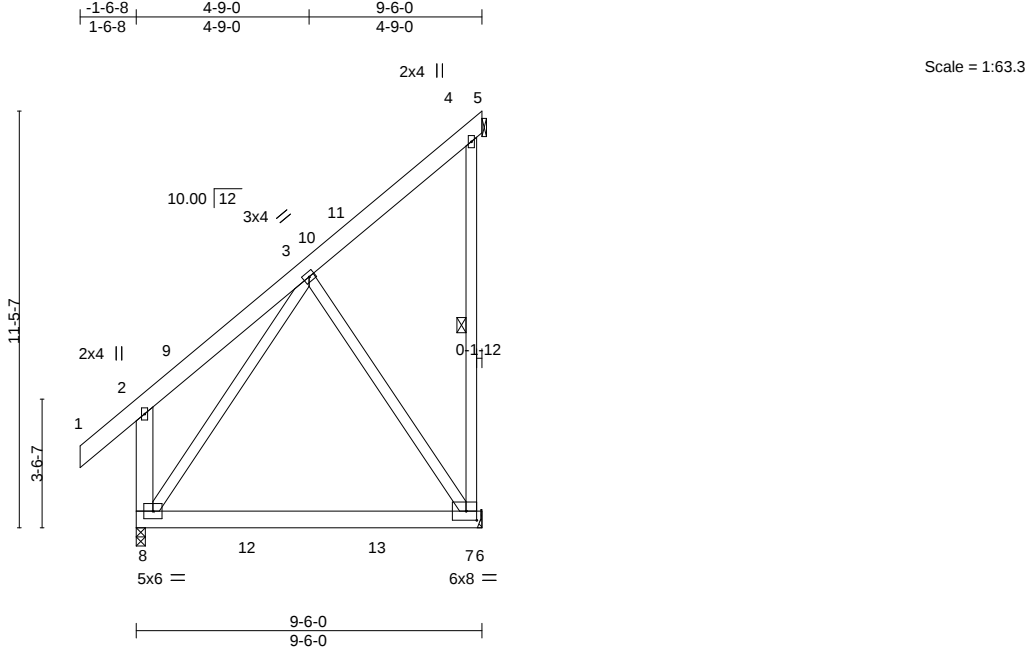


Plate Offsets (X,Y)--		[7:0-3-8,0-3-0]									
LOADING	(psf)	SPACING-		CSI.		DEFL.	in	(loc)	I/defl	L/d	PLATES
TCLL	20.0	Plate Grip DOL	1.25	TC	0.23	Vert(LL)	-0.12	7-8	>895	240	MT20
TCDL	7.0	Lumber DOL	1.25	BC	0.49	Vert(CT)	-0.20	7-8	>551	180	GRIP
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.46	Horz(CT)	-0.01	5	n/a	n/a	244/190
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS							Weight: 102 lb
											FT = 20%

LUMBER-		BRACING-	
TOP CHORD	2x6 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x6 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3 *Except*	WEBS	1 Row at midpt
	2-8: 2x6 SP No.2		4-7

REACTIONS. (size) 5=Mechanical, 8=0-3-0, 7=Mechanical
Max Horz 8=240(LC 12)
Max Uplift 5=-7(LC 12), 7=-234(LC 12)
Max Grav 5=2(LC 10), 8=467(LC 2), 7=506(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-306/219
WEBS 3-8=-375/161, 3-7=-251/359

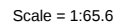
- NOTES-**
- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-8 to 1-5-8, Interior(1) 1-5-8 to 9-5-4 zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 3) N/A
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 6) Refer to girder(s) for truss to truss connections.
 - 7) Refer to girder(s) for truss to truss connections.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 7=234.

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Philip J. O'Regan PE No.58126
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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

April 14,2023

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Mar 9 2023 MiTek Industries, Inc. Thu Apr 13 14:25:01 2023 Page 1
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LUMBER-		BRACING-	
TOP CHORD	2x6 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x6 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3 *Except*	WEBS	1 Row at midpt 3-6, 2-6
	1-7: 2x6 SP No.2		

NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TC DL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-2-12 to 3-2-12, Interior(1) 3-2-12 to 10-0-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 5=233.

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Date:

April 14, 2023

 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITER REFERENCE PAGE MH-7473 (REV. 3/19/2020) BEFORE USE.

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Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601.



16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	CJ CONST. - CADY RES.	T30317753
3371626	T06	Piggyback Base	9	1	Job Reference (optional)	

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

8.530 s Mar 9 2023 MiTek Industries, Inc. Thu Apr 13 14:25:03 2023 Page 1

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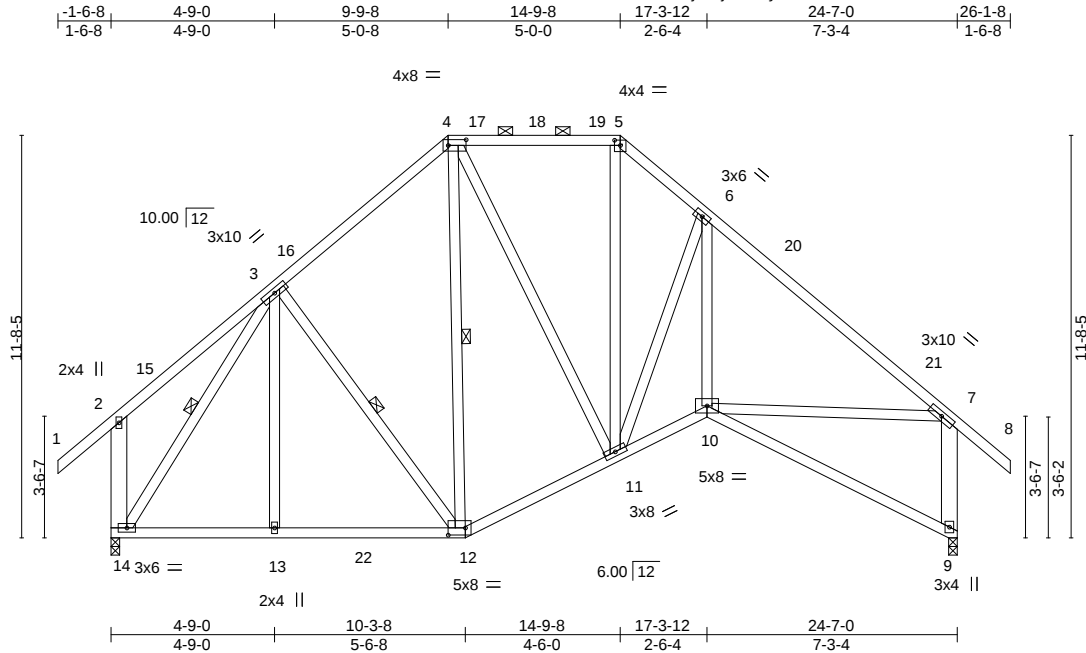


Plate Offsets (X,Y)-- [4:0-6-4,0-2-0], [5:0-2-0,0-1-13], [12:0-6-0,0-2-8]

LOADING (psf)	SPACING-	CSL	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.49	Vert(LL)	-0.10	9-10	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.43	Vert(CT)	-0.21	9-10	>999	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.78	Horz(CT)	0.07	9	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-MS						Weight: 215 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2
 WEBS 2x4 SP No.3 *Except*
 2-14,7-9: 2x6 SP No.2

REACTIONS.

(size) 14=0-3-0, 9=0-3-0
 Max Horz 14=-318(LC 10)
 Max Uplift 14=-203(LC 12), 9=-203(LC 13)
 Max Grav 14=1059(LC 2), 9=1040(LC 2)

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

TOP CHORD 3-4=-717/239, 4-5=-609/228, 5-6=-849/292, 6-7=-1225/249, 2-14=-261/159,
 7-9=-945/267
 BOT CHORD 13-14=-208/670, 12-13=-208/670, 11-12=-166/676, 10-11=-131/1042
 WEBS 4-11=-35/282, 5-11=-138/414, 6-11=-725/250, 6-10=-47/677, 3-14=-967/105,
 7-10=-107/840, 3-13=0/273

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-8 to 1-5-8, Interior(1) 1-5-8 to 9-9-8, Exterior(2R) 9-9-8 to 14-0-7, Interior(1) 14-0-7 to 14-9-8, Exterior(2R) 14-9-8 to 19-0-7, Interior(1) 19-0-7 to 26-1-8 zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Bearing at joint(s) 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 14=203, 9=203.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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Philip J. O'Regan PE No.58126
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 16023 Swingley Ridge Rd. Chesterfield, MO 63017
 Date:

April 14,2023

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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



16023 Swingley Ridge Rd
 Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	CJ CONST. - CADY RES.	T30317754
3371626	T06G	GABLE	1	1	Job Reference (optional)	

Builders FirstSource (Lake City, FL), Lake City, FL - 32055, 8.530 s Mar 9 2023 MiTek Industries, Inc. Thu Apr 13 14:25:06 2023 Page 1
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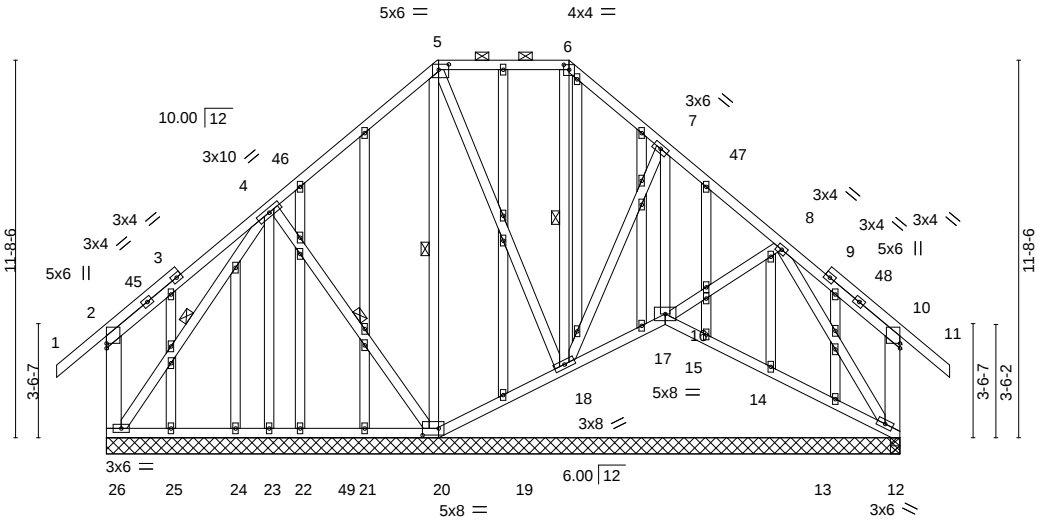
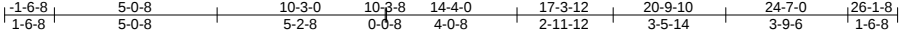


Plate Offsets (X,Y)--	[5:0-3-12,0-2-0], [6:0-2-0,0-1-13], [20:0-6-0,0-2-8]
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LOADING (psf)	SPACING-		CSI.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.26	Vert(LL)	-0.00	18	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.07	Vert(CT)	-0.01	18	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.17	Horz(CT)	-0.01	12	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-S						Weight: 320 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-6.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
WEBS 2x4 SP No.3 *Except*	6-0-0 oc bracing: 16-17.
2-26,10-12: 2x6 SP No.2	WEBS 1 Row at midpt 4-20, 6-18, 4-26, 5-20
OTHERS 2x4 SP No.3	

REACTIONS. All bearings 24-7-0.
(lb) - Max Horz 26=-312(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 23, 26 except 20=-179(LC 12), 16=-106(LC 13), 12=-111(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 23, 19, 13, 14, 15, 17, 25, 24, 22, 21 except 20=310(LC 19), 16=389(LC 1), 26=352(LC 23), 12=336(LC 20), 12=326(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-26=-256/158
WEBS 7-16=-315/80, 5-20=-254/39

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-8 to 1-5-8, Interior(1) 1-5-8 to 10-3-8, Exterior(2E) 10-3-8 to 14-4-0, Exterior(2R) 14-4-0 to 18-6-15, Interior(1) 18-6-15 to 26-1-8 zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 23, 26 except (jt=lb) 20=179, 16=106, 12=111.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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

April 14,2023

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16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	CJ CONST. - CADY RES.	T30317755
3371626	T07	Piggyback Base	2	1	Job Reference (optional)	

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

8.530 s Mar 9 2023
MiTek Industries, Inc.
Thu Apr 13 14:25:07 2023
Page 1
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-1-6-8
1-6-8

4-9-0
4-9-0

9-9-8
5-0-8

14-9-8
5-0-0

19-10-0
5-0-8

24-7-0
4-9-0

26-1-8
1-6-8

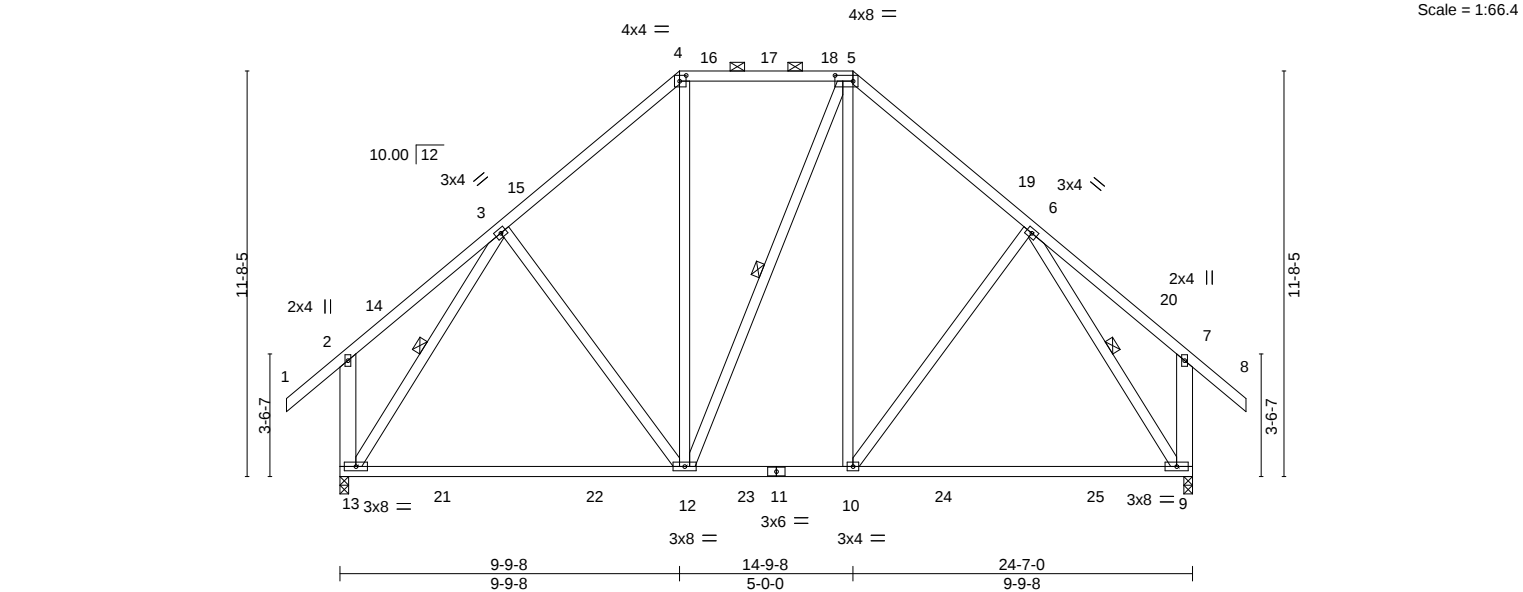


Plate Offsets (X,Y)--		[4:0-2-4,0-2-0], [5:0-6-4,0-2-0]	
LOADING (psf)	SPACING-	CSI.	DEFL.
TCLL 20.0	Plate Grip DOL 1.25	TC 0.29	in (loc) l/defl L/d
TCDL 7.0	Lumber DOL 1.25	BC 0.77	Vert(LL) -0.36 9-10 >802 240
BCLL 0.0 *	Rep Stress Incr YES	WB 0.31	Vert(CT) -0.58 9-10 >500 180
BCDL 10.0	Code FBC2020/TPI2014	Matrix-MS	Horz(CT) 0.02 9 n/a n/a
			PLATES MT20
			GRIP 244/190
			Weight: 203 lb FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-5.
BOT CHORD 2x4 SP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3 *Except*	WEBS 1 Row at midpt 5-12, 3-13, 6-9
2-13,7-9: 2x6 SP No.2	

REACTIONS. (size) 13=0-3-0, 9=0-3-0
Max Horz 13=318(LC 11)
Max Uplift 13=-203(LC 12), 9=-203(LC 13)
Max Grav 13=1118(LC 2), 9=1121(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-794/237, 4-5=-553/238, 5-6=-798/237, 2-13=-303/147, 7-9=-303/147
BOT CHORD 12-13=-216/646, 10-12=-96/604, 9-10=-88/520
WEBS 4-12=-84/288, 5-10=-95/338, 3-13=-827/137, 6-9=-831/137

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-8 to 1-5-8, Interior(1) 1-5-8 to 9-9-8, Exterior(2R) 9-9-8 to 14-0-7, Interior(1) 14-0-7 to 14-9-8, Exterior(2R) 14-9-8 to 19-0-7, Interior(1) 19-0-7 to 26-1-8 zone; end vertical left and right exposed;C/C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=203, 9=203.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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

April 14,2023

Job	Truss	Truss Type	Qty	Ply	CJ CONST. - CADY RES.
3371626	T09	MONOPITCH GIRDER	1	1	T30317757

Builders FirstSource (Lake City,FL),
Lake City, FL - 32055,
8.530 s Mar 9 2023 MiTek Industries, Inc.
Thu Apr 13 14:25:10 2023
Page 1
ID:Ys8zlwKNmTR0LjtaCjYR7AyUufK-foT9O5DlxNpKjgwuz8uRq6Yc99UGniEmgub1tTzR63d

Job Reference (optional)

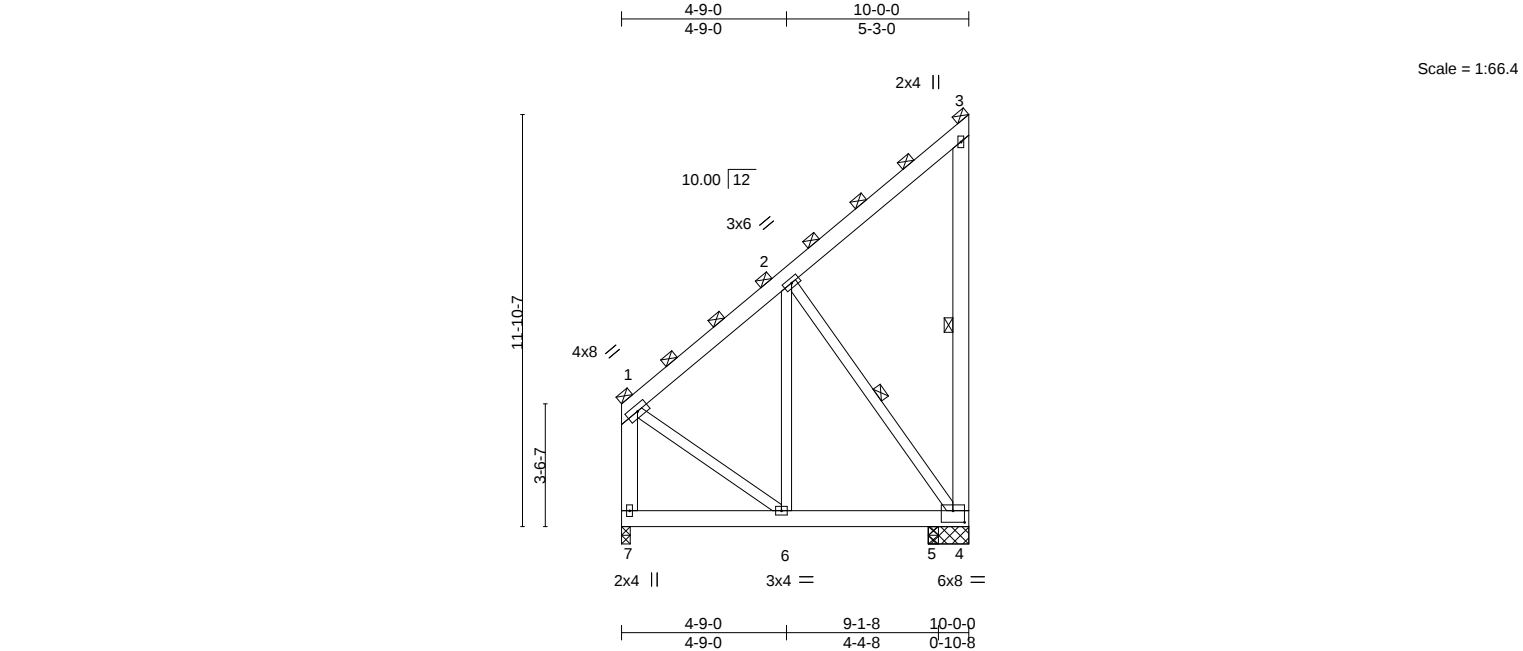


Plate Offsets (X,Y)--		[4:0-4-0,0-4-0]			
LOADING (psf)	SPACING- 4-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.27	Vert(LL) -0.01 6-7 >999 240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.16	Vert(CT) -0.02 6-7 >999 180		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.22	Horz(CT) -0.00 4 n/a n/a		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-MS		Weight: 116 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.2	TOP CHORD 2-0-0 oc purlins (6-0-0 max.), except end verticals
BOT CHORD 2x6 SP No.2	(Switched from sheeted: Spacing > 2-8-0).
WEBS 2x4 SP No.3 *Except*	Rigid ceiling directly applied or 9-5-7 oc bracing.
3-4,1-7: 2x6 SP No.2	1 Row at midpt 3-4, 2-4

REACTIONS.	(size) 7=0-3-0, 4=1-2-0, 5=0-3-8
	Max Horz 7=547(LC 12)
	Max Uplift 4=-635(LC 12)
	Max Grav 7=691(LC 1), 4=638(LC 19), 5=340(LC 3)

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	1-2=-487/0, 1-7=-602/0
BOT CHORD	6-7=-615/392, 5-6=-346/364, 4-5=-346/364
WEBS	2-6=-119/255, 2-4=-613/583, 1-6=-35/391

- NOTES-**
- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-2-12 to 3-2-12, Interior(1) 3-2-12 to 9-9-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=635.
 - 6) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

April 14,2023

Job	Truss	Truss Type	Qty	Ply	CJ CONST. - CADY RES.	T30317758
3371626	T10	Common	5	1	Job Reference (optional)	

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

8.530 s Mar 9 2023 MiTek Industries, Inc. Thu Apr 13 14:25:11 2023 Page 1

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4x4 =

Scale = 1:35.8

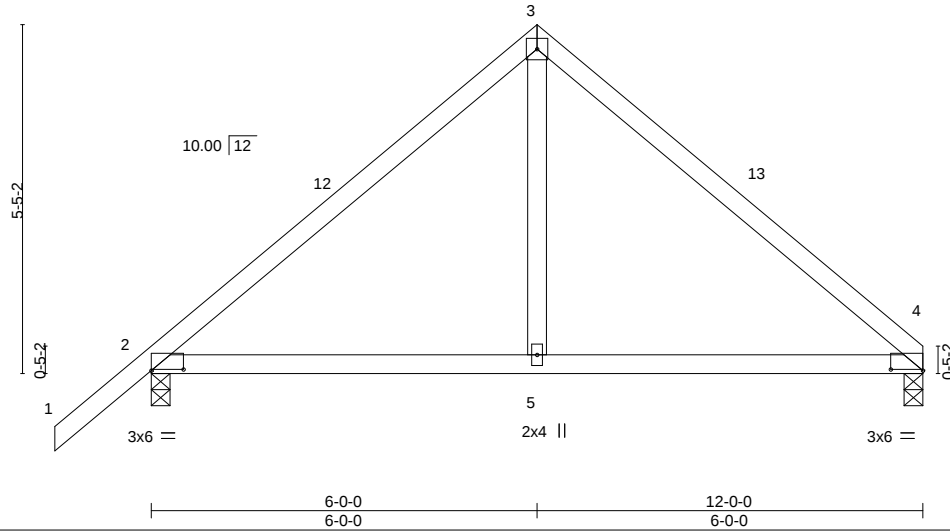


Plate Offsets (X,Y)-- [2:0-6-0,0-0-3], [4:0-6-0,0-0-4]

LOADING (psf)	SPACING-	CSL.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.40	Vert(LL)	0.06	5-8	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.36	Vert(CT)	-0.08	5-8	>999	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.11	Horz(CT)	0.00	4	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-MS						Weight: 52 lb	FT = 20%

LUMBER-

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

REACTIONS.

(size) 4=0-3-8, 2=0-3-8
Max Horz 2=128(LC 9)
Max Uplift 4=80(LC 13), 2=-117(LC 12)
Max Grav 4=439(LC 1), 2=530(LC 1)

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

TOP CHORD 2-3=-489/163, 3-4=-486/166
BOT CHORD 2-5=-28/303, 4-5=-28/303
WEBS 3-5=-21/280

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 6-0-0, Exterior(2R) 6-0-0 to 9-0-0, Interior(1) 9-0-0 to 12-0-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 2=117.

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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

April 14,2023

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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

Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	CJ CONST. - CADY RES.	T30317759
3371626	T10G	Common Supported Gable	1	1	Job Reference (optional)	

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

8.530 s Mar 9 2023 MiTek Industries, Inc. Thu Apr 13 14:25:13 2023 Page 1
ID:YsZslwKNmTR0LjtaCjYR7AyUufK-3N9H06GeElCva7fTeHR8SIA8ZNXj_6pDMsphUozR63a



4x4 =

Scale = 1:34.3

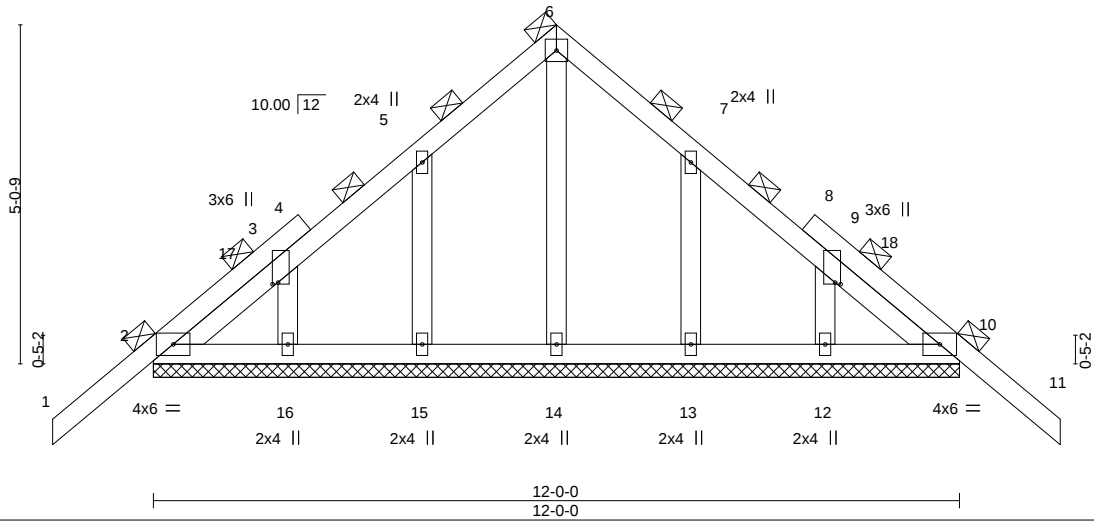


Plate Offsets (X,Y)-- [3:0-0-5,0-1-0], [9:0-0-5,0-1-0]

LOADING (psf)	SPACING-		CSL.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	2-0-0	TC 0.20	Vert(LL) -0.01	11	n/r	120		MT20	244/190
TCDL 7.0	Lumber DOL 1.25		BC 0.05	Vert(CT) -0.01	11	n/r	120			
BCLL 0.0 *	Rep Stress Incr YES		WB 0.04	Horz(CT) 0.00	10	n/a	n/a			
BCDL 10.0	Code FBC2020/TPI2014		Matrix-S						Weight: 73 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD 2-0-0 oc purlins (6-0-0 max.).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

All bearings 12-0-0.
(lb) - Max Horz 2=129(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 10, 15, 16, 13, 12
Max Grav All reactions 250 lb or less at joint(s) 2, 10, 14, 15, 16, 13, 12

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Corner(3E) 1-6-0 to 1-6-0, Exterior(2N) 1-6-0 to 6-0-0, Corner(3R) 6-0-0 to 9-0-0, Exterior(2N) 9-0-0 to 13-6-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 10, 15, 16, 13, 12.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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

April 14,2023

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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, DSB-89 and BCSI Building Component

Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	CJ CONST. - CADY RES.	T30317760
3371626	T11	Common Girder	1	1	Job Reference (optional)	

Builders FirstSource (Lake City, FL), Lake City, FL - 32055, 8.530 s Mar 9 2023 MiTek Industries, Inc. Thu Apr 13 14:25:14 2023 Page 1
ID:Ys8zlwKNmTR0LjtaCjYR7AyUufK-XZjIESGG?bKmcHEfC_yN?yjfHmnAjLzMbWZE0EzR63Z

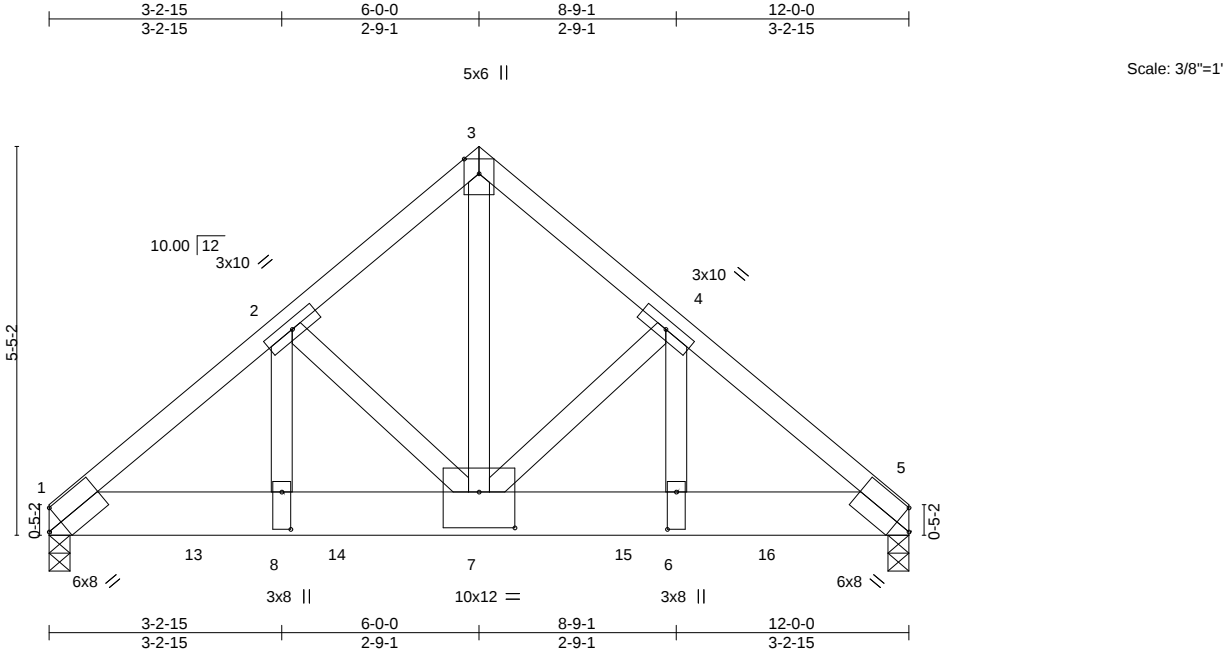


Plate Offsets (X,Y)--		[1:Edge,0-3-2], [5:Edge,0-3-2], [6:0-6-4,0-1-8], [7:0-6-0,0-6-0], [8:0-6-4,0-1-8]	
LOADING (psf)	SPACING-	2-0-0	CSI.
TCLL 20.0	Plate Grip DOL	1.25	TC 0.46
TCDL 7.0	Lumber DOL	1.25	BC 0.42
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.94
BCDL 10.0	Code	FBC2020/TPI2014	Matrix-MS
			DEFL.
			in (loc) l/defl L/d
			Vert(LL) -0.08 7 >999 240
			Vert(CT) -0.13 7 >999 180
			Horz(CT) 0.03 5 n/a n/a
			PLATES GRIP
			MT20 244/190
			Weight: 84 lb FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 2-5-9 oc purlins.
BOT CHORD 2x8 SP 2400F 2.0E	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3 *Except*	
3-7: 2x4 SP No.2	

REACTIONS.	(size) 1=0-3-8 (req. 0-4-3), 5=0-3-8 (req. 0-4-4)
	Max Horz 1=110(LC 24)
	Max Uplift 1=-673(LC 8), 5=-683(LC 9)
	Max Grav 1=3531(LC 2), 5=3584(LC 2)

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	1-2=-4710/905, 2-3=-3395/698, 3-4=-3396/699, 4-5=-4707/906
BOT CHORD	1-8=-710/3596, 7-8=-710/3596, 6-7=-659/3595, 5-6=-659/3595
WEBS	3-7=-822/4155, 4-7=-1386/348, 4-6=-308/1696, 2-7=-1387/348, 2-8=-309/1700

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - WARNING: Required bearing size at joint(s) 1, 5 greater than input bearing size.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=673, 5=683.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1269 lb down and 252 lb up at 2-0-12, 1269 lb down and 252 lb up at 4-0-12, 1269 lb down and 252 lb up at 6-0-12, and 1269 lb down and 252 lb up at 8-0-12, and 1269 lb down and 252 lb up at 10-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard	
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25	
Uniform Loads (plf)	
Vert: 1-3=-54, 3-5=-54, 1-5=-20	
Concentrated Loads (lb)	
Vert: 7=-1089(F) 13=-1089(F) 14=-1089(F) 15=-1089(F) 16=-1089(F)	

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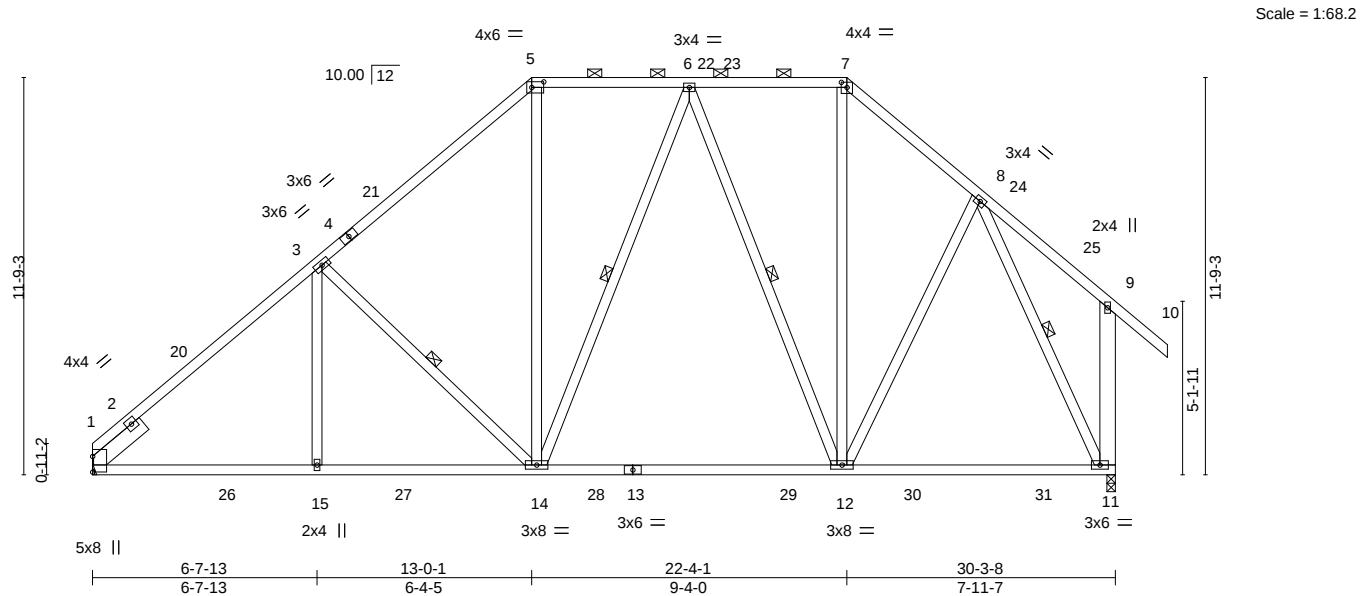
Philip J. O'Regan PE No.58126
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

April 14,2023

Job	Truss	Truss Type	Qty	Ply	CJ CONST. - CADY RES.	T30317762
3371626	T13	Piggyback Base	5	1	Job Reference (optional)	

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

8.530 s Mar 9 2023
MiTek Industries, Inc.
Thu Apr 13 14:25:18 2023
Page 1
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16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	CJ CONST. - CADY RES.	T30317763
3371626	T13G	GABLE	1	1	Job Reference (optional)	

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

8.530 s Mar 9 2023 MiTek Industries, Inc. Thu Apr 13 14:25:22 2023 Page 2
ID:Ys8zlwKNmTR0LjtaCjYR7AyUufK-I6ChvBNH73Kd9WrCgg5FJe2br?XWb1nXRmVflnzR63R

NOTES-
13) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 5-58=-54, 5-7=-54, 7-10=-54, 10-11=-54, 1-12=-20
Concentrated Loads (lb)
Vert: 61=-24(F) 62=-24(F) 63=-24(F) 64=-24(F) 66=-24(F) 67=-24(F) 68=-24(F) 69=-24(F) 70=-24(F)

Job	Truss	Truss Type	Qty	Ply	CJ CONST. - CADY RES.	T30317765
3371626	T14G	GABLE	1	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Mar 9 2023 MiTek Industries, Inc. Thu Apr 13 14:25:26 2023 Page 1
ID:Ys8zlwKNmTR0LjtaCjYR7AyUufK-BtRCIZQoAHq3e78zvVABUUDLbcnrXqT7MOTiRYzR63N
3-7-1 8-3-9 13-0-1 17-8-1 21-10-9 26-2-1 30-3-8 31-10-0
3-7-1 4-8-8 4-8-8 4-8-0 4-2-8 4-3-8 4-1-7 1-6-8

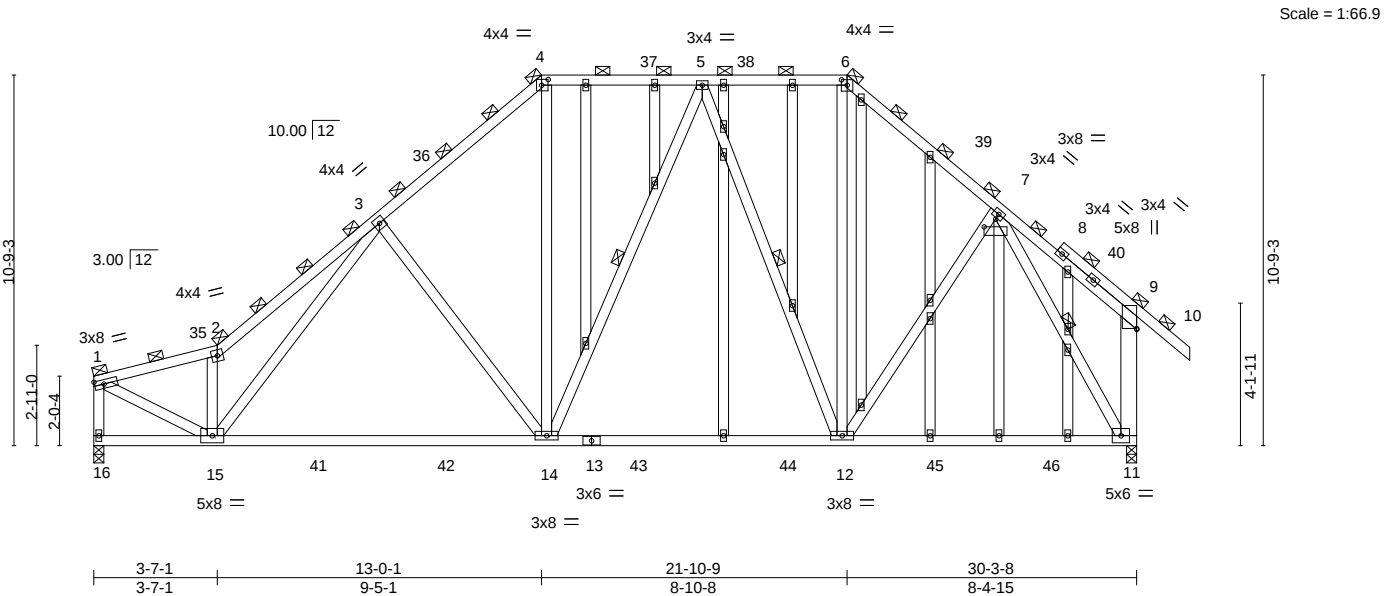


Plate Offsets (X,Y)-- [4:0-2-4,0-2-0], [6:0-2-0,0-1-14], [7:0-4-0,0-2-11]						
LOADING (psf)		SPACING-	2-0-0	CSI.	DEFL.	PLATES
TCLL	20.0	Plate Grip DOL	1.25	TC 0.31	in (loc) l/defl L/d	GRIP
TCDL	7.0	Lumber DOL	1.25	BC 0.81	Vert(LL) -0.26 14-15 >999 240	MT20 244/190
BCLL	0.0 *	Rep Stress Incr	YES	WB 0.65	Vert(CT) -0.46 14-15 >788 180	
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS	Horz(CT) 0.04 11 n/a n/a	
						Weight: 318 lb FT = 20%

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	2-0-0 oc purlins (3-10-4 max.), except end verticals.
BOT CHORD	2x4 SP No.2 *Except*	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
	13-16: 2x4 SP No.1		6-0-0 oc bracing: 15-16.
WEBS	2x4 SP No.3 *Except*	WEBS	1 Row at midpt 5-14, 5-12, 7-11
	9-11: 2x6 SP No.2		
OTHERS	2x4 SP No.3		

REACTIONS. (size) 16=0-3-8, 11=0-3-8
Max Horz 16=270(LC 11)
Max Uplift 16=-203(LC 12), 11=-199(LC 13)
Max Grav 16=1259(LC 2), 11=1366(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1596/362, 2-3=-2100/581, 3-4=-1288/449, 4-5=-935/392, 5-6=-765/365,
6-7=-1055/398, 1-16=-1273/300, 9-11=-286/194
BOT CHORD 15-16=-269/195, 14-15=-324/1219, 12-14=-187/889, 11-12=-157/605
WEBS 2-15=-1083/370, 3-15=-176/734, 3-14=-437/255, 4-14=-161/595, 5-12=-393/173,
6-12=-136/466, 7-12=-90/333, 1-15=-362/1717, 7-11=-1139/262

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-1-12 to 3-2-2, Interior(1) 3-2-2 to 13-0-1, Exterior(2R) 13-0-1 to 16-0-7, Interior(1) 16-0-7 to 21-10-9, Exterior(2R) 21-10-9 to 24-10-15, Interior(1) 24-10-15 to 31-10-0 zone; end vertical right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 16=203, 11=199.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

This item has been electronically signed and sealed by O'Regan, Philip, PE using a Digital Signature. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

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

April 14,2023

Job	Truss	Truss Type	Qty	Ply	CJ CONST. - CADY RES.	T30317766
3371626	T15	PIGGYBACK BASE	6	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

8.530 s May 26 2022 MiTek Industries, Inc. Fri Apr 14 16:20:53 2023 Page 1

ID:Ys8zlwKNmTR0LjtaCjYR7AyUufK-fWHvc?e4BrFgHJcXYKkV6GqXg60FtghN2fdJczQvq8

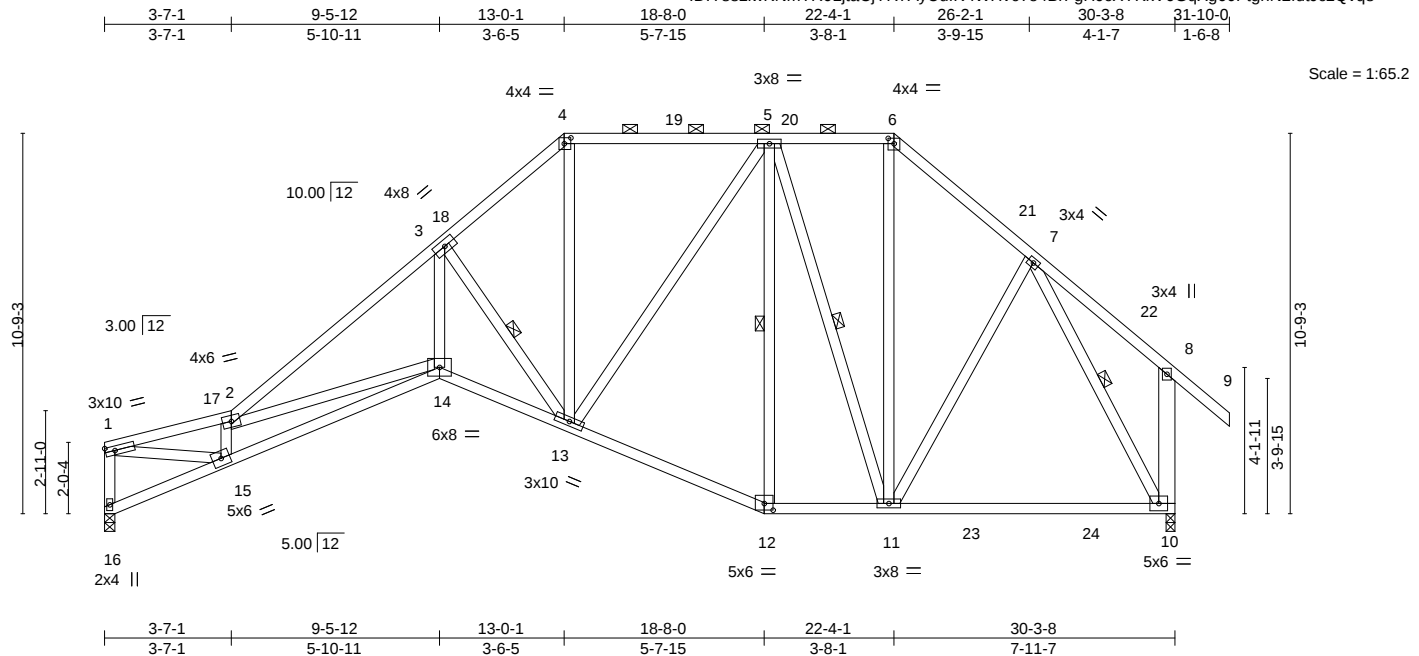


Plate Offsets (X,Y)-- [4:0-2-4,0-2-0], [6:0-2-0,0-1-13], [12:0-3-0,0-2-4]									
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d		PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.93	Vert(LL)	-0.24 14-15 >999 240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	1.00	Vert(CT)	-0.44 14-15 >823 180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.80	Horz(CT)	0.29 10 n/a n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS				Weight: 240 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied, except end verticals, and
BOT CHORD 2x4 SP No.2	2-0-0 oc purlins (5-1-15 max.): 4-6.
WEBS 2x4 SP No.3 *Except*	BOT CHORD Rigid ceiling directly applied.
1-15: 2x4 SP No.2, 8-10: 2x6 SP No.2	WEBS 1 Row at midpt 3-13, 5-12, 5-11, 7-10

REACTIONS.	(size) 16=0-3-8, 10=0-3-0
	Max Horz 16=273(LC 11)
	Max Uplift 16=-203(LC 12), 10=-195(LC 13)
	Max Grav 16=1186(LC 2), 10=1306(LC 2)

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	1-16=-1142/310, 1-17=-2897/762, 2-17=-2865/763, 2-3=-2814/752, 3-18=-1466/489, 4-18=-1452/506, 4-19=-1087/429, 5-19=-1087/429, 5-20=-685/357, 6-20=-685/357, 6-21=-888/396, 7-21=-946/377, 8-10=-277/214
BOT CHORD	15-16=-297/226, 14-15=-923/3368, 13-14=-583/2459, 12-13=-204/919, 11-12=-184/812, 11-23=-120/541, 23-24=-120/541, 10-24=-120/541
WEBS	1-15=-722/2783, 2-15=-1426/466, 2-14=-844/329, 3-14=-487/2203, 3-13=-1976/599, 4-13=-216/728, 5-13=-147/578, 5-12=-252/95, 5-11=-481/186, 6-11=-162/441, 7-11=-93/332, 7-10=-1076/234

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-1-12 to 3-2-2, Interior(1) 3-2-2 to 13-0-1, Exterior(2R) 13-0-1 to 16-0-7, Interior(1) 16-0-7 to 22-4-1, Exterior(2R) 22-4-1 to 25-4-7, Interior(1) 25-4-7 to 31-10-0 zone; end vertical right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Bearing at joint(s) 16 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 203 lb uplift at joint 16 and 195 lb uplift at joint 10.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

This item has been electronically signed and sealed by O'Regan, Philip, PE using a Digital Signature. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

April 14, 2023

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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

Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	CJ CONST. - CADY RES.	T30317767
3371626	T16	Piggyback Base	3	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL),		Lake City, FL - 32055,		8.530 s Mar 9 2023 MiTek Industries, Inc. Thu Apr 13 14:25:30 2023 Page 1			
ID:Ys8zlwKNmTR0LjtaCjYR7AyUufK-3ehibwTIEWLV7kSk8LF7eKNt0D6tTcJjH?R5aJzR63J							
3-7-1	9-5-12	13-0-1	18-8-0	22-4-1	26-2-1	30-3-8	
3-7-1	5-10-11	3-6-5	5-7-15	3-8-1	3-9-15	4-1-7	

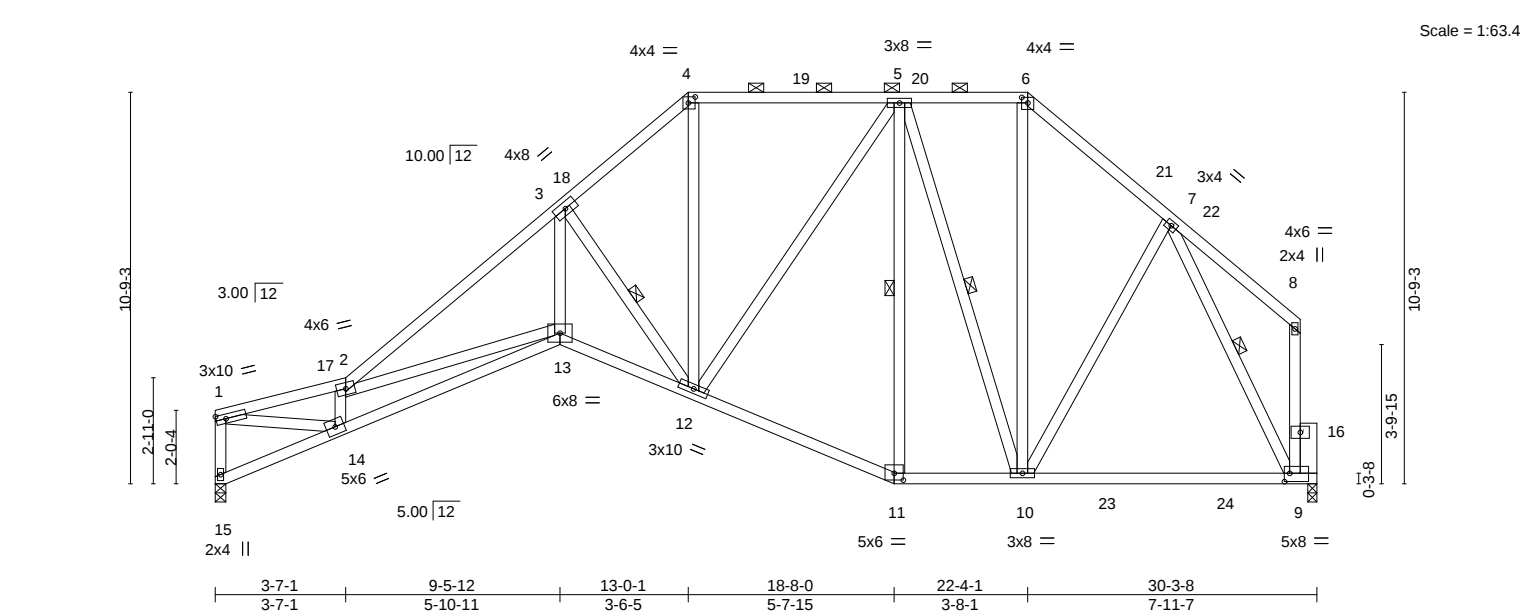


Plate Offsets (X,Y)--		[4:0-2-4,0-2-0], [6:0-2-0,0-1-13], [9:0-1-12,0-2-12], [11:0-3-0,0-2-4]																	
LOADING (psf)		SPACING-		2-0-0		CSI.		DEFL.		in (loc)		I/defl		L/d		PLATES		GRIP	
TCLL 20.0		Plate Grip DOL		1.25		TC 0.92		Vert(LL)		-0.24 13-14		>999		240		MT20		244/190	
TCDL 7.0		Lumber DOL		1.25		BC 0.99		Vert(CT)		-0.43 13-14		>824		180					
BCLL 0.0 *		Rep Stress Incr		YES		WB 0.79		Horz(CT)		0.28 9		n/a		n/a					
BCDL 10.0		Code		FBC2020/TPI2014		Matrix-MS										Weight: 236 lb		FT = 20%	

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (5-2-5 max.): 4-6.
BOT CHORD 2x4 SP No.2	
WEBS 2x4 SP No.3 *Except*	Rigid ceiling directly applied or 1-4-12 oc bracing.
1-14,8-9: 2x4 SP No.2	1 Row at midpt 3-12, 5-11, 5-10, 7-9
OTHERS 2x6 SP No.2	

REACTIONS.	(size) 15=0-3-8, 9=0-3-0
	Max Horz 15=266(LC 11)
	Max Uplift 15=-200(LC 12), 9=-154(LC 13)
	Max Grav 15=1179(LC 2), 9=1209(LC 2)

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	1-15=-1135/349, 1-2=-2878/868, 2-3=-2791/885, 3-4=-1451/528, 4-5=-1075/446, 5-6=-668/350, 6-7=-926/387
BOT CHORD	14-15=-289/202, 13-14=-1179/3315, 12-13=-833/2408, 11-12=-270/905, 10-11=-245/799, 9-10=-205/517
WEBS	1-14=-824/2765, 2-14=-1416/526, 2-13=-843/330, 3-13=-680/2163, 3-12=-1945/748, 4-12=-230/718, 5-12=-163/571, 5-10=-489/189, 6-10=-157/429, 7-10=-100/333, 7-9=-1069/349

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-1-12 to 3-2-2, Interior(1) 3-2-2 to 13-0-1, Exterior(2R) 13-0-1 to 16-0-7, Interior(1) 16-0-7 to 22-4-1, Exterior(2R) 22-4-1 to 25-4-7, Interior(1) 25-4-7 to 29-8-4 zone; end vertical right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 15=200, 9=154.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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Philip J. O'Regan PE No.58126
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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

April 14,2023

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Job	Truss	Truss Type	Qty	Ply	CJ CONST. - CADY RES.	T30317768
3371626	T17	Piggyback Base	4	1	Job Reference (optional)	

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

8.530 s Mar 9 2023 MiTek Industries, Inc. Thu Apr 13 14:25:31 2023 Page 1

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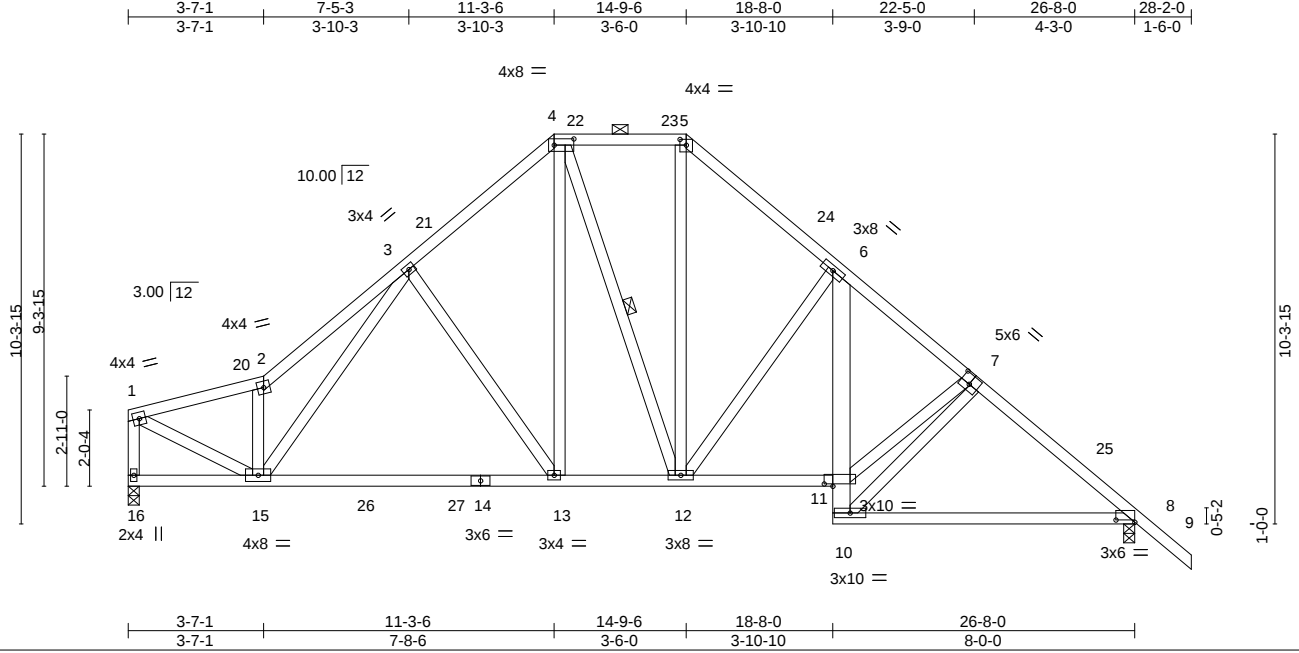


Plate Offsets (X,Y)--		[4:0-6-4,0-2-0], [5:0-2-0,0-1-13], [7:0-3-0,0-3-0], [8:0-6-0,0-0-11], [11:0-2-12,0-0-12]									
LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.25	Vert(LL)	-0.16 13-15	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.66	Vert(CT)	-0.29 13-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.54	Horz(CT)	0.06 8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS						Weight: 200 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-4-9 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-5.
BOT CHORD 2x4 SP No.2 *Except*	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
6-10: 2x6 SP No.2	WEBS 1 Row at midpt 4-12
WEBS 2x4 SP No.3	

REACTIONS.	(size) 16=0-3-8, 8=0-3-8
	Max Horz 16=-237(LC 13)
	Max Uplift 16=-177(LC 12), 8=-217(LC 13)
	Max Grav 16=1072(LC 2), 8=1146(LC 20)

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	1-2=-1320/321, 2-3=-1730/509, 3-4=-1083/402, 4-5=-778/358, 5-6=-1071/395, 6-7=-1360/393, 7-8=-1347/374, 1-16=-1062/272
BOT CHORD	13-15=-137/1051, 12-13=-67/844, 11-12=-112/1049, 10-11=-119/820, 6-11=-64/417, 8-10=-178/1013
WEBS	2-15=-900/323, 3-15=-152/602, 3-13=-382/219, 4-13=-141/578, 5-12=-149/503, 6-12=-530/220, 7-11=-65/814, 7-10=-948/191, 1-15=-316/1407

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 11-3-6, Exterior(2R) 11-3-6 to 14-3-6, Interior(1) 14-3-6 to 14-9-6, Exterior(2R) 14-9-6 to 17-9-6, Interior(1) 17-9-6 to 28-2-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 16=177, 8=217.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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Date:

April 14,2023

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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	CJ CONST. - CADY RES.	T30317769
3371626	T18	Monopitch	14	1	Job Reference (optional)	

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

8.530 s Mar 9 2023 MiTek Industries, Inc. Thu Apr 13 14:25:32 2023 Page 1
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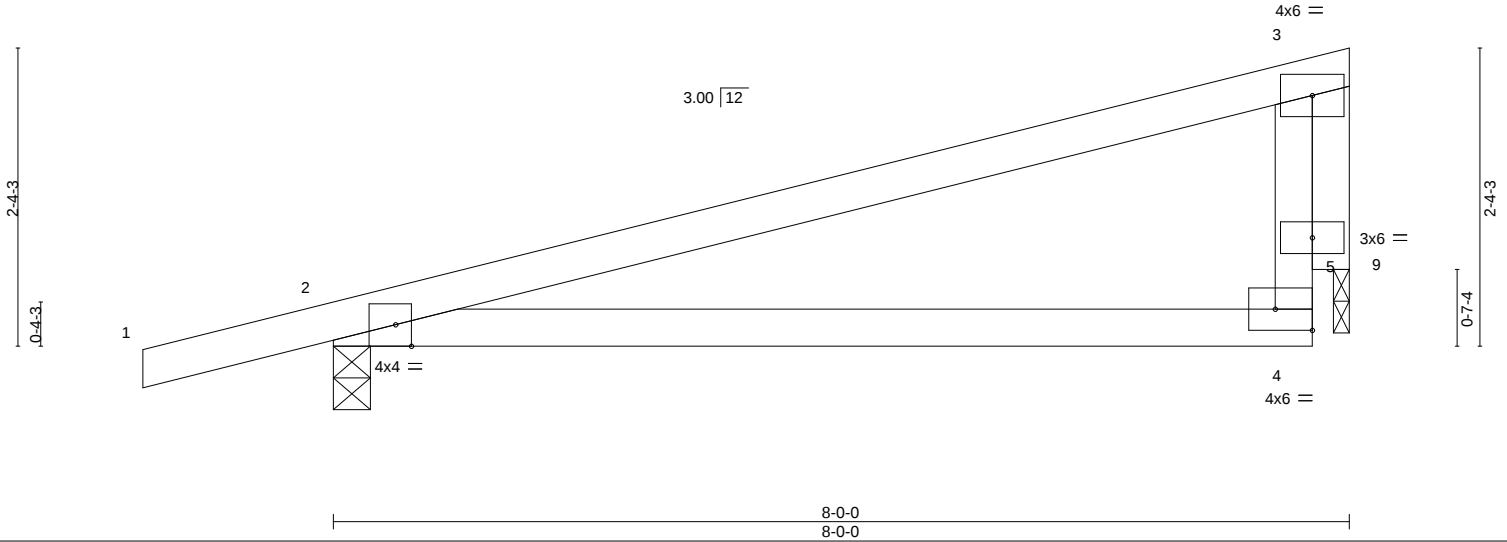


Plate Offsets (X,Y)-- [2:0-1-8,Edge], [4:Edge,0-2-0]

LOADING (psf)	SPACING-		CSI.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	2.0-0	TC 0.60	Vert(LL)	0.29	4-8	>330	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.64	Vert(CT)	0.25	4-8	>386	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.40	Horz(CT)	-0.01	2	n/a	n/a		
BCDL 10.0	Code	FBC2020/TPI2014	Matrix-MR						Weight: 31 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-5-13 oc bracing.

REACTIONS.

(size) 2=0-3-8, 9=0-1-8
Max Horz 2=82(LC 8)
Max Uplift 2=-198(LC 8), 9=-134(LC 8)
Max Grav 2=382(LC 1), 9=259(LC 1)

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

TOP CHORD 2-3=-225/257, 4-5=-255/151, 3-5=-255/151
BOT CHORD 2-4=-303/190
WEBS 3-9=-280/438

NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 7-6-12 zone; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Bearing at joint(s) 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 6) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 9.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=198, 9=134.

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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

April 14,2023

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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

Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	CJ CONST. - CADY RES.	T30317770
3371626	T18G	Monopitch Supported Gable	2	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Mar 9 2023 MiTek Industries, Inc. Thu Apr 13 14:25:34 2023 Page 1
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-1-6-0 1-6-0 8-0-0 8-0-0

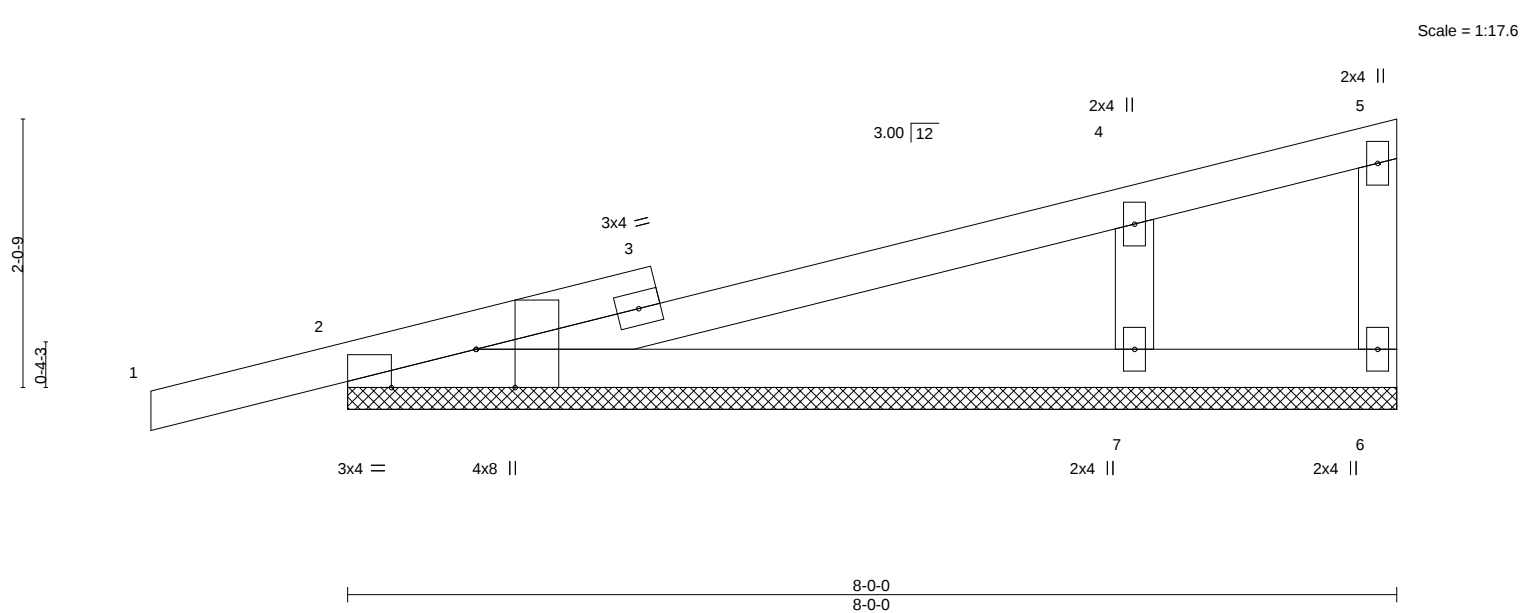


Plate Offsets (X,Y)--		[2:0-3-8,Edge], [2:0-7-12,Edge]	
LOADING (psf)	SPACING-	2-0-0	CSI.
TCLL 20.0	Plate Grip DOL	1.25	TC 0.34
TCDL 7.0	Lumber DOL	1.25	BC 0.26
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.12
BCDL 10.0	Code	FBC2020/TPI2014	Matrix-S
			DEFL.
			in (loc) l/defl L/d
			Vert(LL) -0.00 1 n/r 120
			Vert(CT) 0.01 1 n/r 120
			Horz(CT) -0.00 6 n/a n/a
			PLATES GRIP
			MT20 244/190
			Weight: 32 lb FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 8-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SP No.3	
OTHERS 2x4 SP No.3	

REACTIONS. (size) 2=8-0-0, 6=8-0-0, 7=8-0-0
Max Horz 2=74(LC 8)
Max Uplift 2=-106(LC 8), 6=-71(LC 1), 7=-129(LC 12)
Max Grav 2=270(LC 1), 6=17(LC 12), 7=463(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 4-7=-321/391

- NOTES-**
- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Corner(3E) -1-6-0 to 1-6-0, Exterior(2N) 1-6-0 to 7-10-4 zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) 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.
 - 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 4) Gable requires continuous bottom chord bearing.
 - 5) Gable studs spaced at 2-0-0 oc.
 - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6 except (jt=lb) 2=106, 7=129.

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Philip J. O'Regan PE No.58126
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Date:

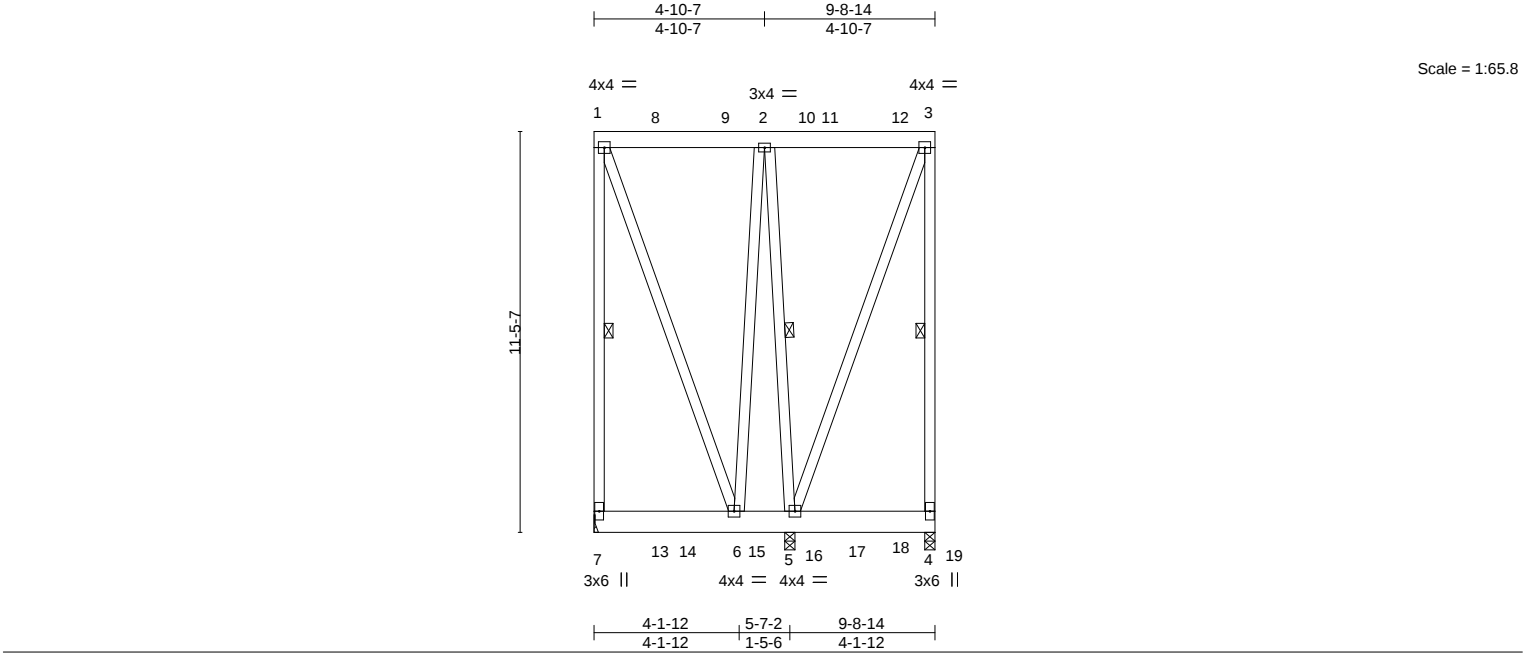
April 14,2023

Job	Truss	Truss Type	Qty	Ply	CJ CONST. - CADY RES.
3371626	TG01	Flat Girder	1	1	T30317771

Builders FirstSource (Lake City,FL),
Lake City, FL - 32055,
8.530 s Mar 9 2023
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Job Reference (optional)



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.11	Vert(LL)	-0.01	6-7	>999	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.14	Vert(CT)	-0.02	6-7	>999		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.25	Horz(CT)	0.00	4	n/a		
BCDL 10.0	Rep Stress Incr NO	Matrix-MS					Weight: 147 lb	FT = 20%
	Code FBC2020/TPI0214							

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x8 SP 2400F 2.0E	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 1-7, 3-4, 2-5
REACTIONS. (size) 7=Mechanical, 4=0-3-8, 5=0-3-8	
Max Uplift 7=-304(LC 8), 4=-231(LC 9), 5=-910(LC 4)	
Max Grav 7=588(LC 35), 4=440(LC 34), 5=1567(LC 35)	
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
WEBS 2-6=-114/282, 2-5=-411/276	

NOTES-	
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60	
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.	
3) Provide adequate drainage to prevent water ponding.	
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.	
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.	
6) Refer to girder(s) for truss to truss connections.	
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=304, 4=231, 5=910.	
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 30 lb down and 57 lb up at 1-9-10, 30 lb down and 57 lb up at 3-9-10, 30 lb down and 57 lb up at 4-8-0, and 30 lb down and 57 lb up at 6-8-0, and 29 lb down and 55 lb up at 8-8-0 on top chord, and 398 lb down and 254 lb up at 1-9-10, 412 lb down and 254 lb up at 3-9-10, 412 lb down and 254 lb up at 4-8-0, and 408 lb down and 254 lb up at 6-8-0, and 398 lb down and 253 lb up at 8-8-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.	
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).	
LOAD CASE(S) Standard	
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25	
Uniform Loads (plf)	
Vert: 1-3=-54, 4-7=-20	
Concentrated Loads (lb)	
Vert: 2=15(F) 8=15(F) 9=15(F) 11=15(F) 12=14(F) 13=-324(F) 15=-324(F) 16=-324(F) 17=-324(F) 19=-325(F)	

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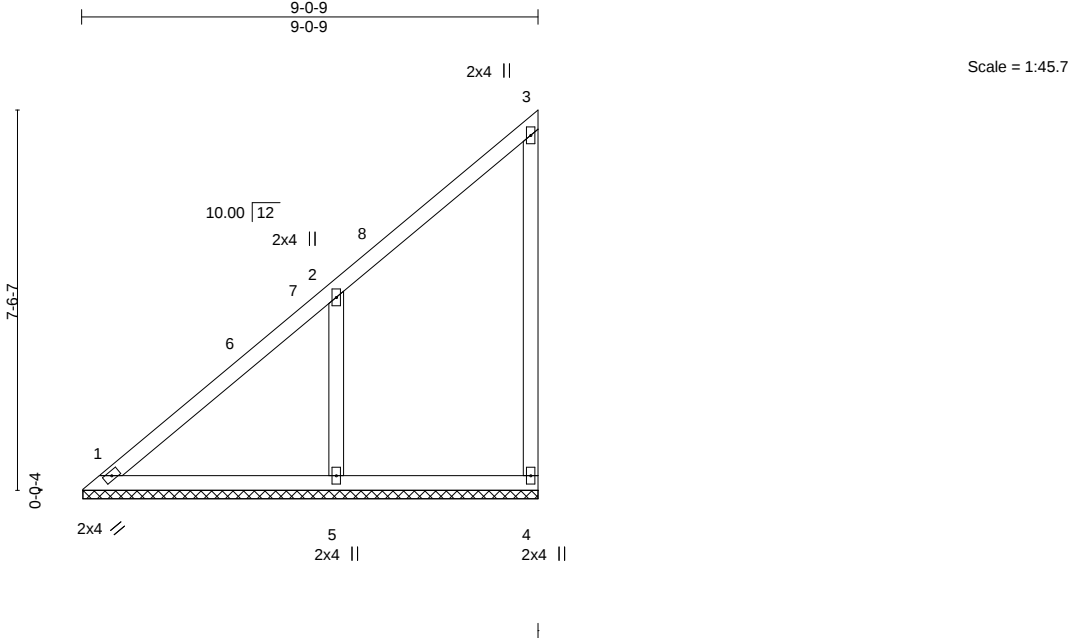
April 14,2023

Job	Truss	Truss Type	Qty	Ply	CJ CONST. - CADY RES.
3371626	V01	Valley	1	1	T30317773

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

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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.24	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.21	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.10	Horz(CT)	0.00	4	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-S					Weight: 46 lb	FT = 20%

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3		
OTHERS	2x4 SP No.3		

REACTIONS. (size) 1=9-0-4, 4=9-0-4, 5=9-0-4
Max Horz 1=219(LC 12)
Max Uplift 4=-36(LC 14), 5=-208(LC 12)
Max Grav 1=178(LC 21), 4=156(LC 19), 5=532(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-319/155
WEBS 2-5=-307/321

- NOTES-**
- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-4-13 to 3-4-13, Interior(1) 3-4-13 to 8-10-13 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 3) Gable requires continuous bottom chord bearing.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 5=208.

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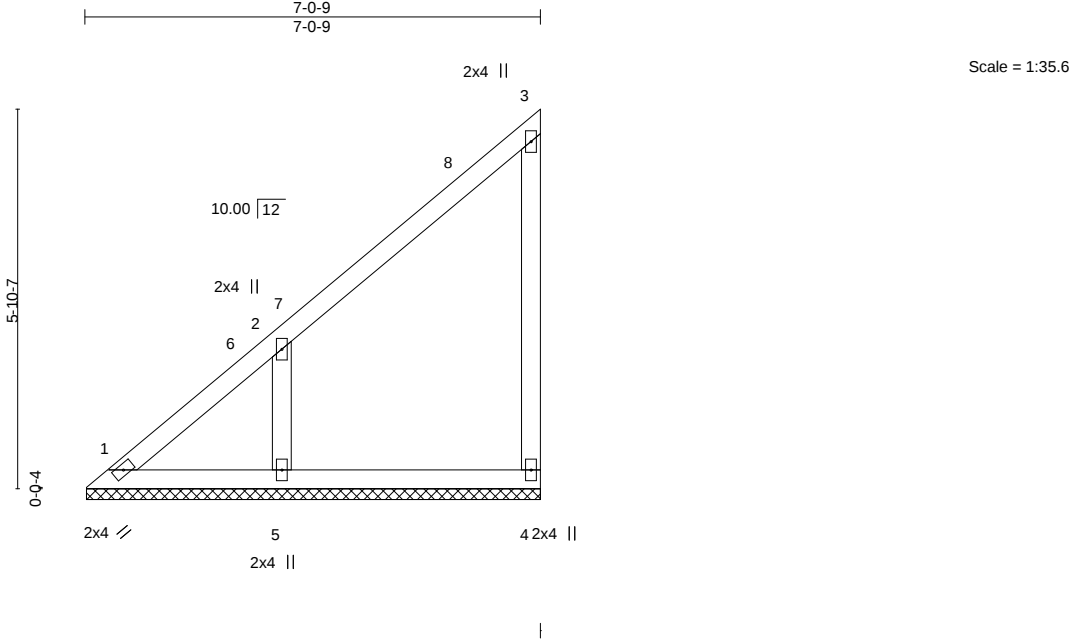
April 14,2023



Job	Truss	Truss Type	Qty	Ply	CJ CONST. - CADY RES.
3371626	V02	Valley	1	1	T30317774

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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.17	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.11	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.09	Horz(CT)	0.00	4	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-S					Weight: 34 lb	FT = 20%

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3		
OTHERS	2x4 SP No.3		

REACTIONS.	(size)	1=7-0-4, 4=7-0-4, 5=7-0-4
	Max Horz	1=179(LC 12)
	Max Uplift	1=-8(LC 10), 4=-58(LC 12), 5=-173(LC 12)
	Max Grav	1=110(LC 12), 4=129(LC 19), 5=320(LC 19)

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	1-2=-309/138
WEBS	2-5=-238/304

NOTES-	
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-4-13 to 3-4-13, Interior(1) 3-4-13 to 6-10-13 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60	
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.	
3) Gable requires continuous bottom chord bearing.	
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.	
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.	
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 4 except (jt=lb) 5=173.	

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Safety Information
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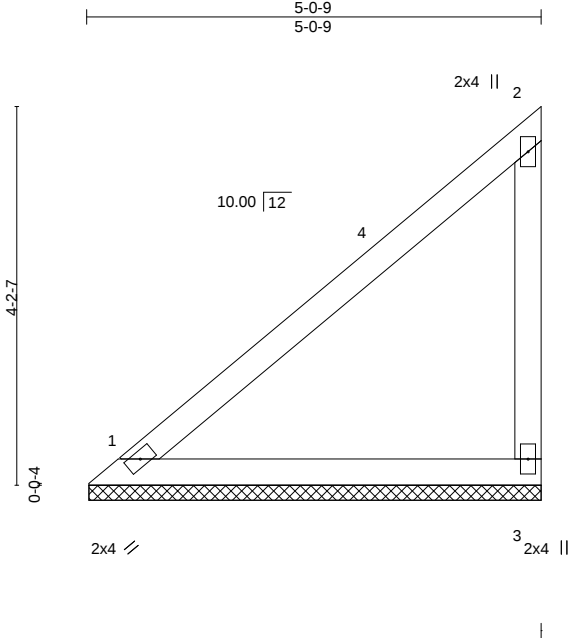
16023 Swingley Ridge Rd
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Job	Truss	Truss Type	Qty	Ply	CJ CONST. - CADY RES.
3371626	V03	Valley	1	1	T30317775

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Scale = 1:25.6

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.45	Vert(LL)	n/a	-	n/a	999	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.25	Vert(CT)	n/a	-	n/a	999	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.00		n/a	n/a	
BCDL 10.0	Code FBC2020/TPI2014		Matrix-P						Weight: 22 lb FT = 20%

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 5-0-9 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3		

REACTIONS. (size) 1=5-0-4, 3=5-0-4
Max Horz 1=129(LC 12)
Max Uplift 3=99(LC 12)
Max Grav 1=166(LC 1), 3=179(LC 19)

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

- NOTES-**
- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-4-13 to 3-4-13, Interior(1) 3-4-13 to 4-10-13 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 3) Gable requires continuous bottom chord bearing.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3.

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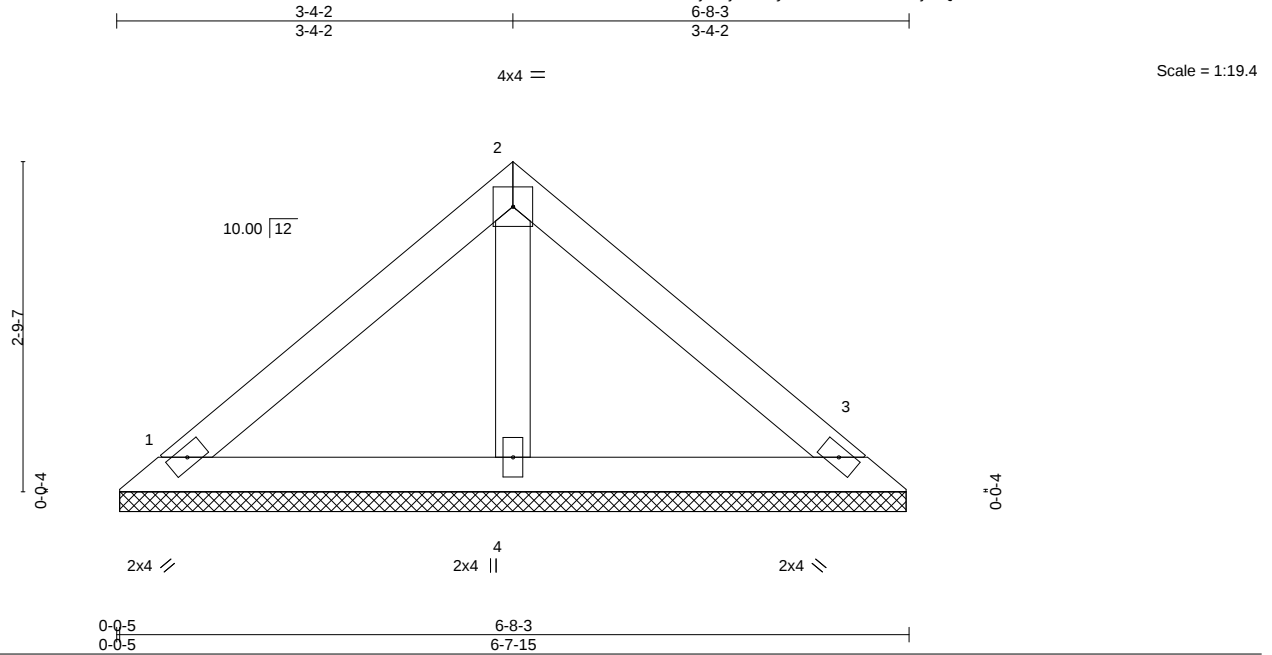
April 14,2023



Job	Truss	Truss Type	Qty	Ply	CJ CONST. - CADY RES.	T30317776
3371626	V04	Valley	1	1	Job Reference (optional)	

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

8.530 s Mar 9 2023 MiTek Industries, Inc. Thu Apr 13 14:25:41 2023 Page 1
ID:Ys8zlwKNmTR0LjtaCjYR7AyUufK-FmrtuhbCeujxxQorH9xibfKxzf4dYm2KoDbATAzR638



LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.17	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.09	Vert(CT)	n/a	-	n/a	999		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.02	Horz(CT)	0.00	3	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-P						Weight: 25 lb	FT = 20%
	Code FBC2020/TPI2014								

LUMBER-

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

BRACING-

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

REACTIONS.

(size) 1=6-7-10, 3=6-7-10, 4=6-7-10
Max Horz 1=54(LC 11)
Max Uplift 1=-35(LC 13), 3=-41(LC 13), 4=-12(LC 12)
Max Grav 1=124(LC 1), 3=124(LC 1), 4=188(LC 1)

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 4.

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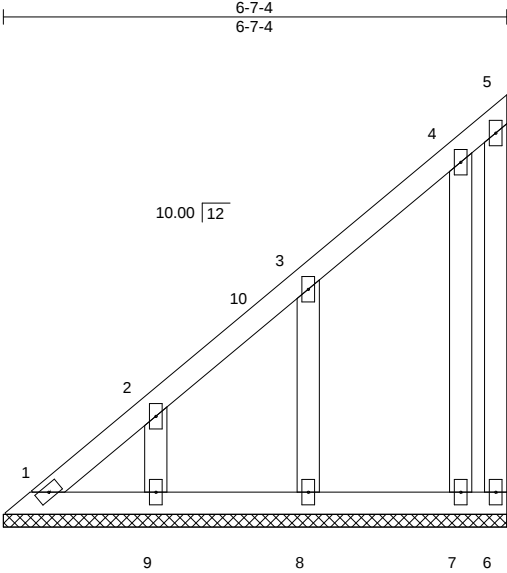
ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	CJ CONST. - CADY RES.
3371626	V05	GABLE	2	1	T30317777

Builders FirstSource (Lake City,FL),
Lake City, FL - 32055,
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Thu Apr 13 14:25:42 2023
Page 1
ID:Ys8zlwKNmTR0LjtaCjYR7AyUufK-jyPF61cqPCroZaN2rsSx7st8b3RnHDpU1tLj0czR637



Scale = 1:30.2

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.05	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.03	Vert(CT)	n/a	-	n/a	999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.05	Horz(CT)	0.00		n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-P						Weight: 41 lb	FT = 20%

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3		
OTHERS	2x4 SP No.3		
REACTIONS.	All bearings 6-7-4.		
(lb) - Max Horz	1=170(LC 12)		
Max Uplift	All uplift 100 lb or less at joint(s) 1, 6, 9, 8, 7		
Max Grav	All reactions 250 lb or less at joint(s) 1, 6, 9, 8, 7		
FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
TOP CHORD	1-2--315/135		

- NOTES-**
 - 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-4-13 to 3-4-13, Interior(1) 3-4-13 to 6-5-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 3) All plates are 2x4 MT20 unless otherwise indicated.
 - 4) Gable requires continuous bottom chord bearing.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 6, 9, 8, 7.
- This item has been electronically signed and sealed by ORegan, Philip, PE using a Digital Signature. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

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

April 14,2023

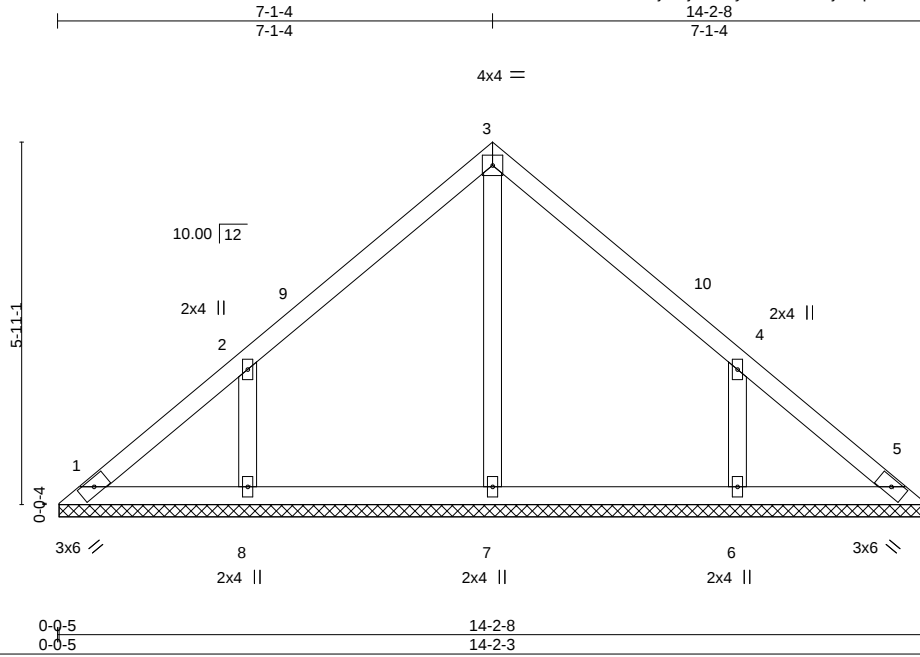


16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	CJ CONST. - CADY RES.	T30317778
3371626	V06	Valley	1	1	Job Reference (optional)	

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

8.530 s Mar 9 2023 MiTek Industries, Inc. Thu Apr 13 14:25:44 2023 Page 1
ID:Ys8zlwKNmTR0LjtaCjYR7AyUufK-fLX?Xje4xp5WouXQzHVPCHySXs5t16onVBq4VzR635



Scale = 1:37.6

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 2-0-0	TC 0.15	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.12	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.09	Horz(CT)	0.00	5	n/a		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-S					Weight: 61 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS.

All bearings 14-1-15.

(lb) - Max Horz 1=123(LC 9)

Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 8=180(LC 12), 6=180(LC 13)

Max Grav All reactions 250 lb or less at joint(s) 1, 5, 7 except 8=317(LC 19), 6=316(LC 20)

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-4-13 to 3-1-4, Interior(1) 3-1-4 to 7-1-4, Exterior(2R) 7-1-4 to 10-1-4, Interior(1) 10-1-4 to 13-9-11 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 8=180, 6=180.

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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

April 14,2023

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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

Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



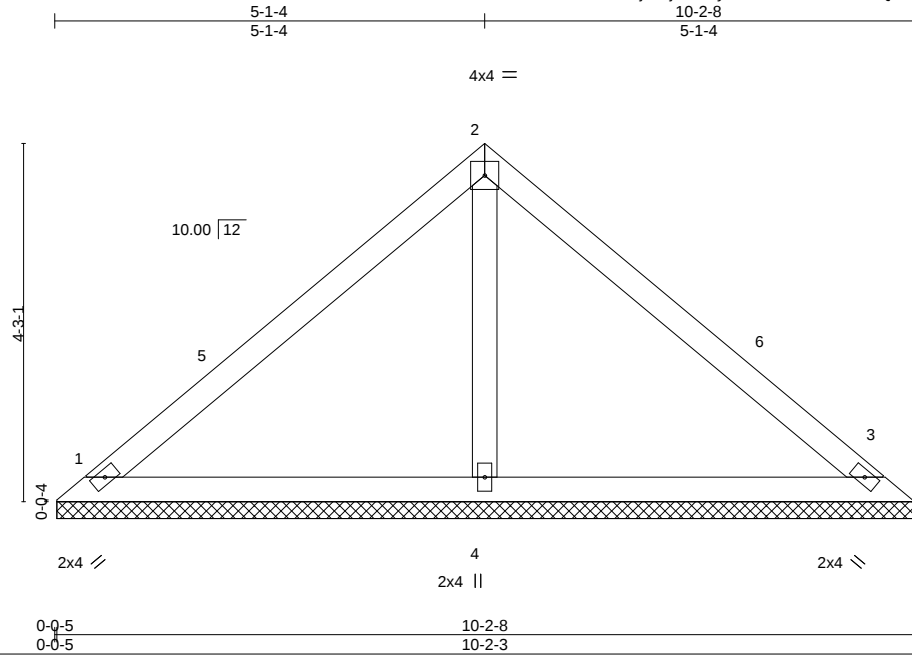
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	CJ CONST. - CADY RES.	T30317779
3371626	V07	Valley	1	1	Job Reference (optional)	

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

8.530 s Mar 9 2023 MiTek Industries, Inc. Thu Apr 13 14:25:45 2023 Page 1

ID:Ys8zlwKNmTR0LjtaCjYR7AyUufK-7X5Nk3eii7EMQ25dW?0elVvSGPWUaQwjZnczR634



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.27	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.22	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.06	Horz(CT)	0.00	3	n/a		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-S					Weight: 39 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS.

(size) 1=10-1-15, 3=10-1-15, 4=10-1-15
Max Horz 1=86(LC 9)
Max Uplift 1=-44(LC 13), 3=-54(LC 13), 4=-42(LC 12)
Max Grav 1=183(LC 1), 3=183(LC 1), 4=330(LC 1)

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-4-13 to 3-4-13, Interior(1) 3-4-13 to 5-1-4, Exterior(2R) 5-1-4 to 8-1-4, Interior(1) 8-1-4 to 9-9-11 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 4.

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Date:

April 14, 2023

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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

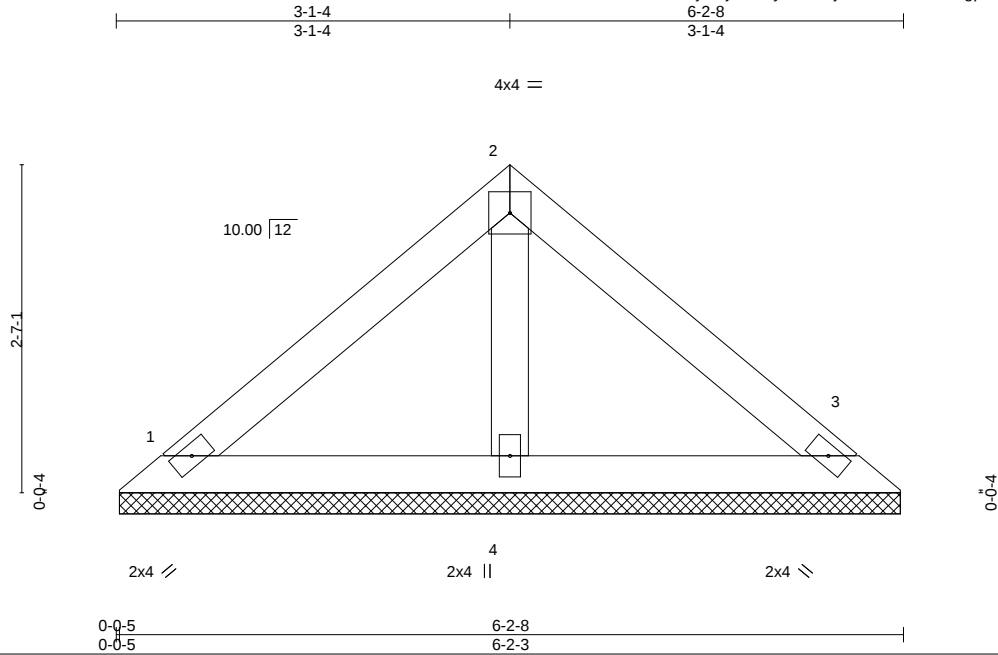


16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	CJ CONST. - CADY RES.	T30317780
3371626	V08	Valley	1	1	Job Reference (optional)	

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

8.530 s Mar 9 2023 MiTek Industries, Inc. Thu Apr 13 14:25:46 2023 Page 1
ID:Ys8zlwKNmTR0LjtaCjYR7AyUufK-bjemxPflTRMD2Cgp4iXtl2o3gn?D1J4yVJx9OzR633



Scale = 1:18.2

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.15	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.07	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.02	Horz(CT)	0.00	3	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-P					Weight: 23 lb	FT = 20%
	Code FBC2020/TPI2014							

LUMBER-

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

BRACING-

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

REACTIONS.

(size) 1=6-1-15, 3=6-1-15, 4=6-1-15
Max Horz 1=-50(LC 8)
Max Uplift 1=-32(LC 13), 3=-38(LC 13), 4=-11(LC 12)
Max Grav 1=114(LC 1), 3=114(LC 1), 4=173(LC 1)

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 4.

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April 14,2023

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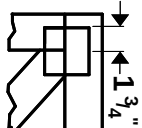
Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601
ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



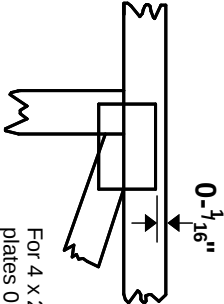
16023 Swingley Ridge Rd
Chesterfield, MO 63017

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- $\frac{3}{16}$ " from outside edge of truss.

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

*** Plate location details available in MiTek 2012 software or upon request.**

PLATE SIZE

4 X 4

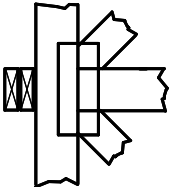
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

BEARING



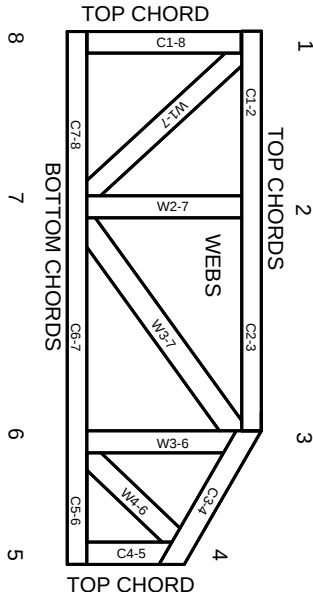
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TP1.1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System

6-4-8 dimensions shown in ft-in-sixteenths (Drawings not to scale)



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-1311, ESR-1352, ESR1988
ER-3907, ESR-2362, ESR-1397, ESR-3282

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

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

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MiTek Engineering Reference Sheet: MII-7473 rev. 5/19/2020



General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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