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

RE: 3264809 - EXCEPTIONS REALITY - FT. WHITE SPEC

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

Site Information:

Customer Info: EXCEPTIONS REALITY Project Name: Spec Hse Model: Custom
Lot/Block: N/A Subdivision: N/A
Address: 179 SW Greenwood Terrace, 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):

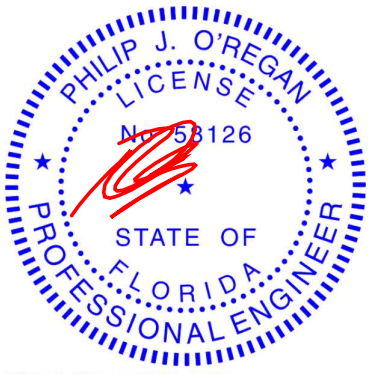
Design Code: FBC2020/TPI2014 Design Program: MiTek 20/20 8.5
Wind Code: ASCE 7-16 Wind Speed: 130 mph
Roof Load: 37.0 psf Floor Load: N/A psf

This package includes 28 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	T28494652	CJ01	8/10/22	23	T28494674	T13	8/10/22
2	T28494653	CJ02	8/10/22	24	T28494675	T14	8/10/22
3	T28494654	CJ03	8/10/22	25	T28494676	T15	8/10/22
4	T28494655	CJ04	8/10/22	26	T28494677	T16	8/10/22
5	T28494656	CJ05	8/10/22	27	T28494678	T16G	8/10/22
6	T28494657	EJ01	8/10/22	28	T28494679	V01	8/10/22
7	T28494658	EJ02	8/10/22				
8	T28494659	HJ01	8/10/22				
9	T28494660	HJ02	8/10/22				
10	T28494661	T01	8/10/22				
11	T28494662	T01G	8/10/22				
12	T28494663	T02	8/10/22				
13	T28494664	T03	8/10/22				
14	T28494665	T04	8/10/22				
15	T28494666	T05	8/10/22				
16	T28494667	T06	8/10/22				
17	T28494668	T07	8/10/22				
18	T28494669	T08	8/10/22				
19	T28494670	T09	8/10/22				
20	T28494671	T10	8/10/22				
21	T28494672	T11	8/10/22				
22	T28494673	T12	8/10/22				

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, 2023.



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.

August 10,2022

ORegan, Philip

Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS REALITY - FT. WHITE SPEC T28494652
3264809	CJ01	Jack-Open	10	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Jul 18 2022 MiTek Industries, Inc. Tue Aug 9 14:01:19 2022 Page 1
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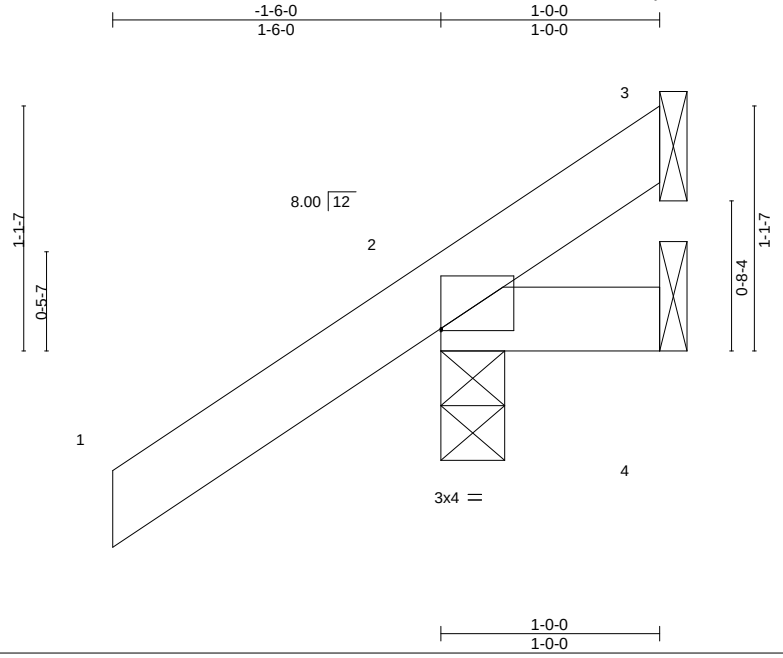


Plate Offsets (X,Y)-- [2:0-0-0,0-0-2]

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	0.18	Vert(LL)	0.00	7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.05	Vert(CT)	0.00	7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 6 lb	FT = 20%

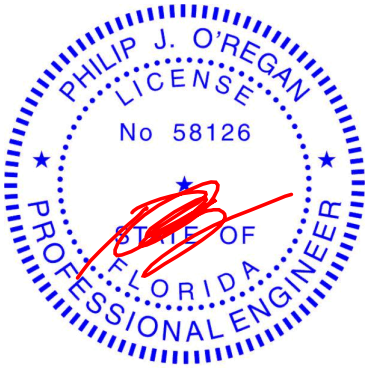
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=51(LC 12)
Max Uplift 3=-5(LC 1), 2=-63(LC 12), 4=-22(LC 19)
Max Grav 3=5(LC 8), 2=179(LC 1), 4=20(LC 16)

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

NOTES- (7)
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2, 4.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

August 10,2022

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS REALITY - FT. WHITE SPEC T28494653
3264809	CJ02	Jack-Open	8	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Jul 18 2022 MiTek Industries, Inc. Tue Aug 9 14:01:20 2022 Page 1
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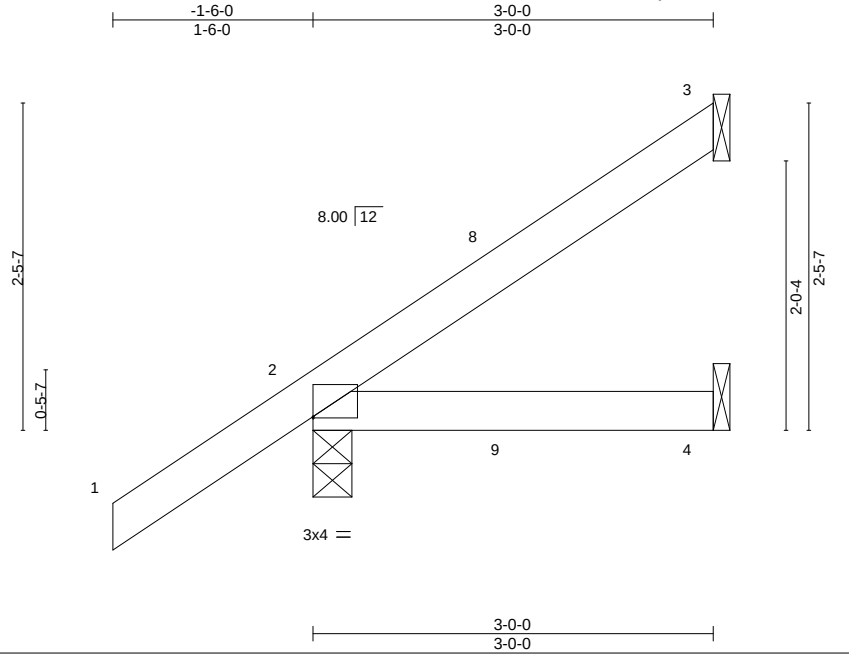


Plate Offsets (X,Y)-- [2:0-0-0,0-0-2]

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	0.16	Vert(LL)	0.01	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.10	Vert(CT)	-0.01	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 13 lb	FT = 20%

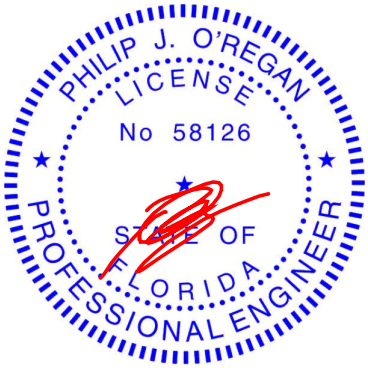
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=94(LC 12)
Max Uplift 3=-44(LC 12), 2=-45(LC 12), 4=-16(LC 9)
Max Grav 3=63(LC 19), 2=210(LC 1), 4=51(LC 3)

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

NOTES- (7)
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; 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 2-11-4 zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2, 4.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

August 10,2022

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS REALITY - FT. WHITE SPEC T28494654
3264809	CJ03	Jack-Open	8	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Jul 18 2022 MiTek Industries, Inc. Tue Aug 9 14:01:21 2022 Page 1
ID:Aa9owwL25ANwAeINlrEDGNyk16k-0BsdHXPUsmX5kYsYGsJQ2d2sDvE_MJAJ0J3tTnypZ9y

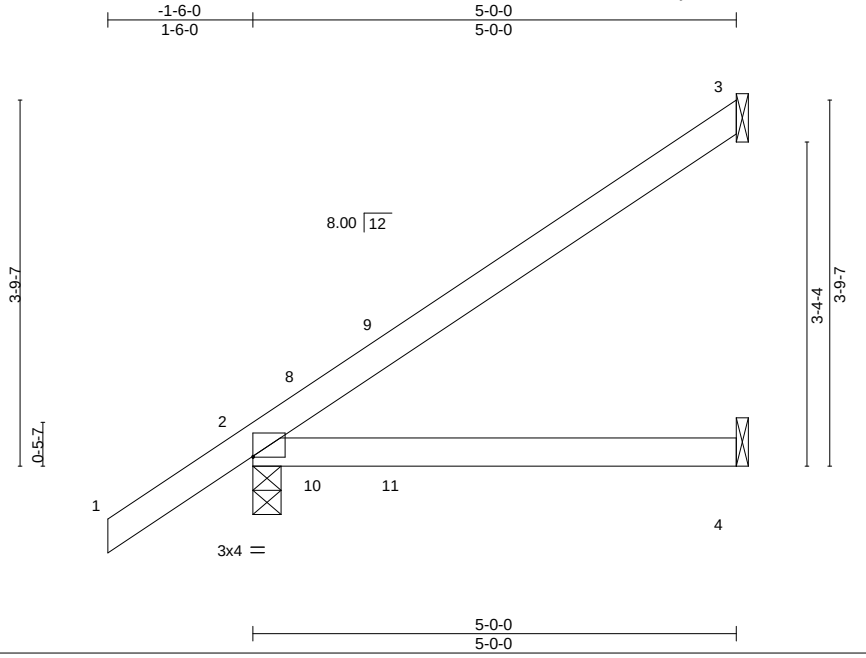


Plate Offsets (X,Y)-- [2:0-0-0,0-0-2]

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	0.33	Vert(LL)	0.08	4-7	>724	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.35	Vert(CT)	0.07	4-7	>839	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.01	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 19 lb	FT = 20%

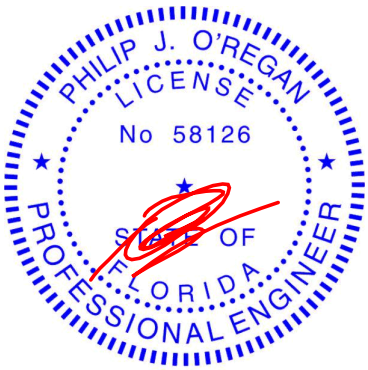
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=139(LC 12)
Max Uplift 3=-79(LC 12), 2=-44(LC 12), 4=-28(LC 9)
Max Grav 3=116(LC 19), 2=276(LC 1), 4=90(LC 3)

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

NOTES- (7)
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; 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 4-11-4 zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2, 4.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

August 10,2022

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS REALITY - FT. WHITE SPEC T28494655
3264809	CJ04	Jack-Open	2	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Jul 18 2022 MiTek Industries, Inc. Tue Aug 9 14:01:22 2022 Page 1
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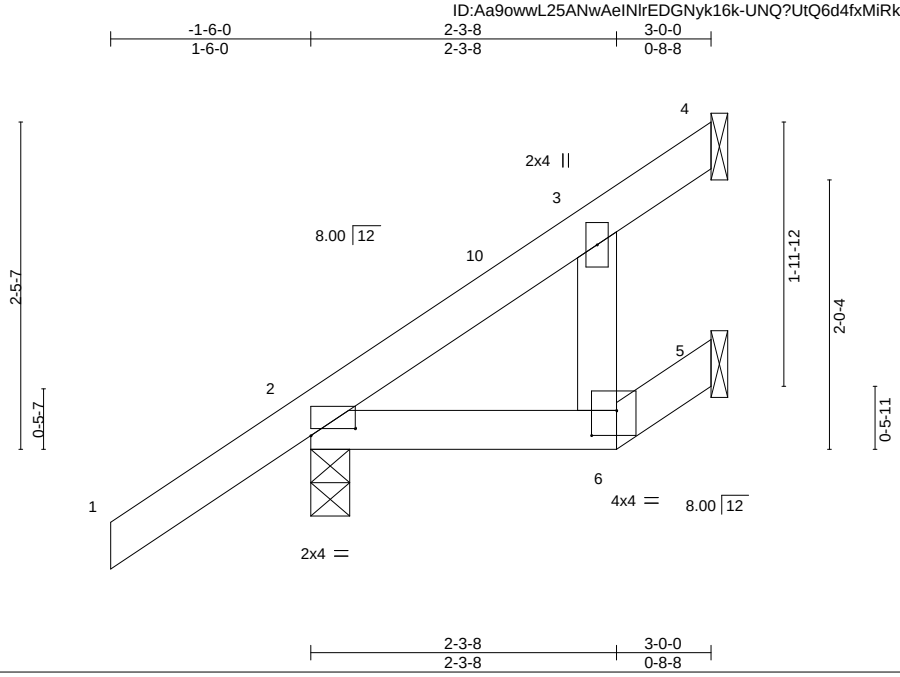


Plate Offsets (X,Y)-- [2:0-4-0,0-0-10], [6:0-2-4,0-2-4]

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	0.16	Vert(LL)	0.01	6	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.08	Vert(CT)	-0.01	6	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	-0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 15 lb	FT = 20%

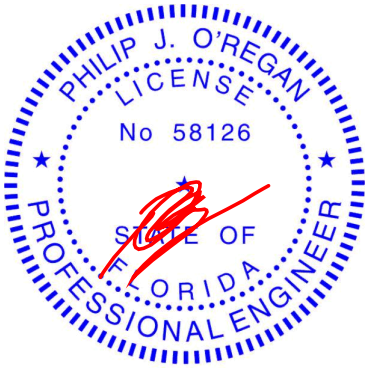
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

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

REACTIONS. (size) 4=Mechanical, 2=0-3-8, 5=Mechanical
Max Horz 2=94(LC 12)
Max Uplift 4=-43(LC 12), 2=-45(LC 12)
Max Grav 4=88(LC 19), 2=210(LC 1), 5=13(LC 3)

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

NOTES- (7)
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; 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 2-11-4 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) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



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

August 10,2022

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS REALITY - FT. WHITE SPEC T28494656
3264809	CJ05	Jack-Open	2	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Jul 18 2022 MiTek Industries, Inc. Tue Aug 9 14:01:23 2022 Page 1
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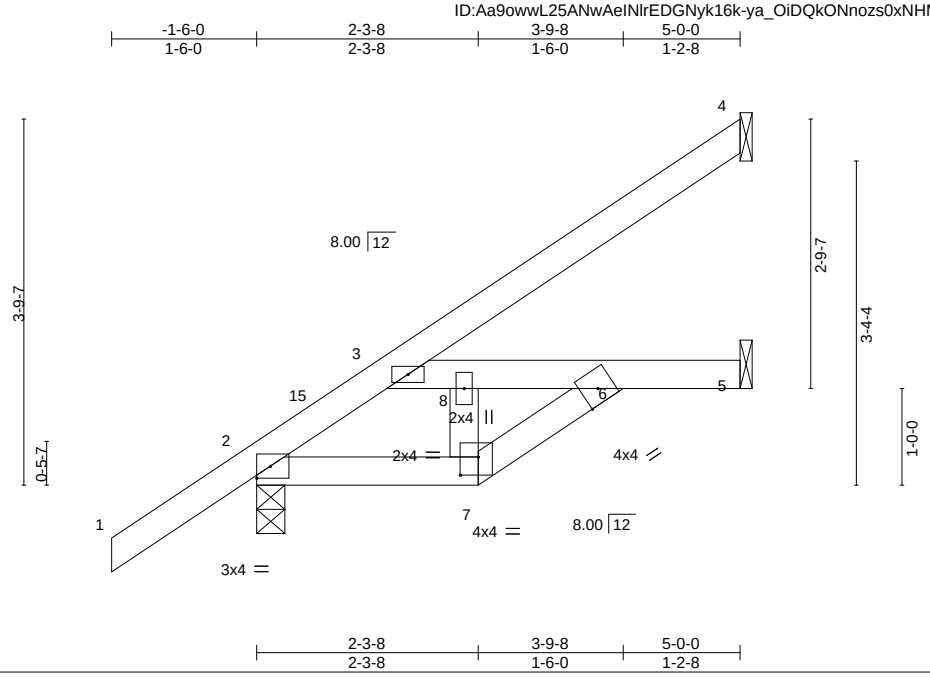


Plate Offsets (X,Y)-- [7:0-2-4,0-2-4]

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	0.15	Vert(LL)	-0.02	6-8	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.30	Vert(CT)	-0.03	6-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 24 lb	FT = 20%

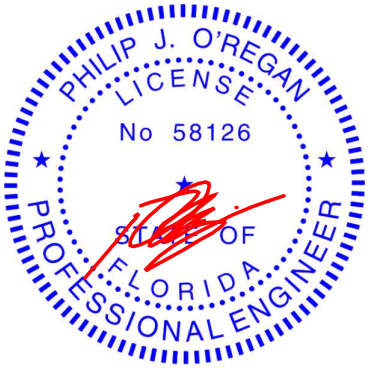
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

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) 4=Mechanical, 2=0-3-8, 5=Mechanical
Max Horz 2=139(LC 12)
Max Uplift 4=-53(LC 12), 2=-37(LC 12), 5=-19(LC 12)
Max Grav 4=88(LC 19), 2=299(LC 1), 5=144(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-10=-259/6
BOT CHORD 6-7=-150/275

NOTES- (7)
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-4-2, Interior(1) 1-4-2 to 4-11-4 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) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2, 5.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



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

August 10,2022

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS REALITY - FT. WHITE SPEC T28494657
3264809	EJ01	Jack-Partial	24	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Jul 18 2022 MiTek Industries, Inc. Tue Aug 9 14:01:24 2022 Page 1
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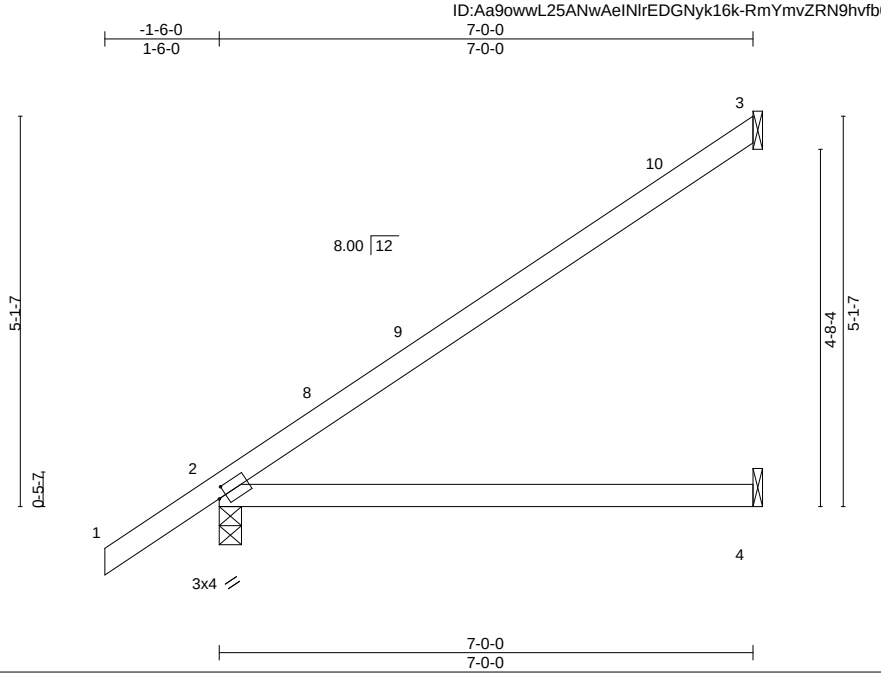


Plate Offsets (X,Y)-- [2:0-1-3,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.64	Vert(LL)	0.11	4-7	>736	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.53	Vert(CT)	-0.22	4-7	>372	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.01	2	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 26 lb	FT = 20%

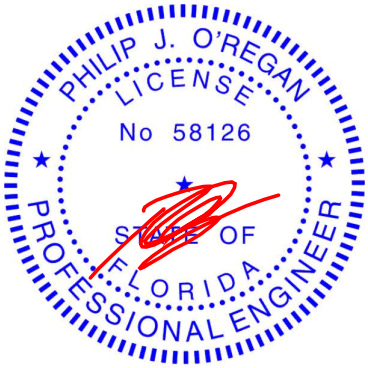
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=177(LC 12)
Max Uplift 3=-101(LC 12), 2=-50(LC 12), 4=-1(LC 12)
Max Grav 3=173(LC 19), 2=346(LC 1), 4=127(LC 3)

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

NOTES- (7)
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; 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 6-11-4 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) 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 except (jt=lb) 3=101.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

August 10,2022

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS REALITY - FT. WHITE SPEC T28494658
3264809	EJ02	Jack-Partial	3	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Jul 18 2022 MiTek Industries, Inc. Tue Aug 9 14:01:25 2022 Page 1
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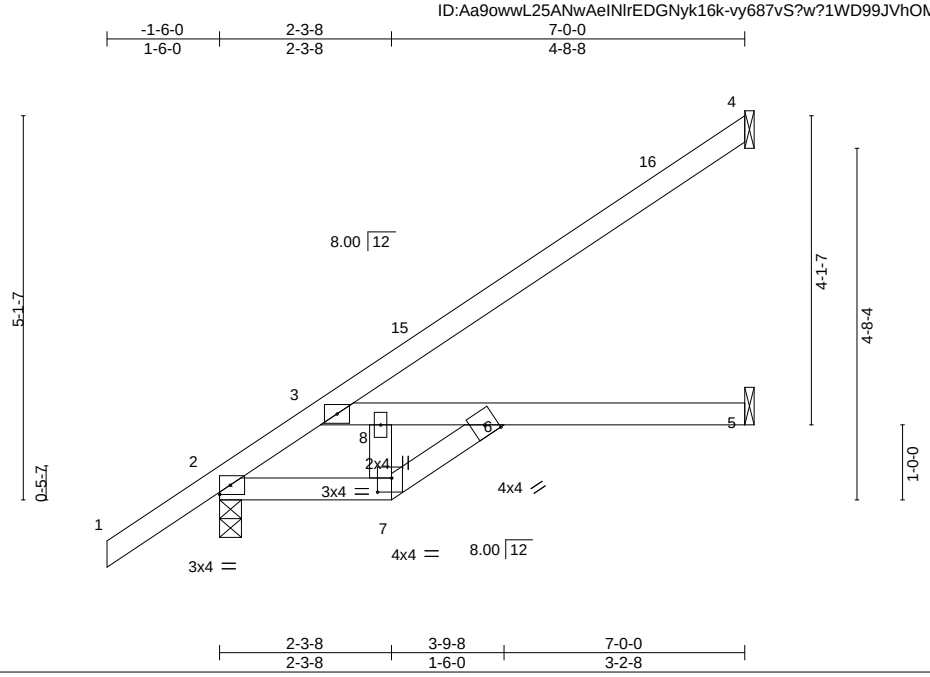


Plate Offsets (X,Y)-- [7:0-2-4,0-2-4]

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	0.43	Vert(LL)	0.10	5-6	>831	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.73	Vert(CT)	-0.21	5-6	>399	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.05	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 31 lb	FT = 20%

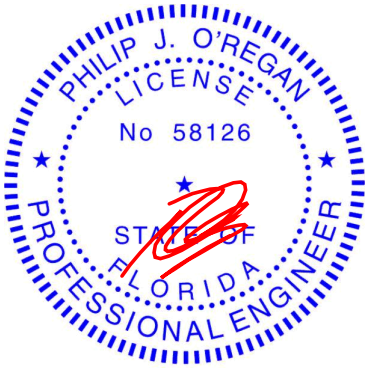
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

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

REACTIONS. (size) 4=Mechanical, 2=0-3-8, 5=Mechanical
Max Horz 2=177(LC 12)
Max Uplift 4=-76(LC 12), 2=-41(LC 12), 5=-21(LC 12)
Max Grav 4=145(LC 19), 2=377(LC 1), 5=162(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-10=-407/27
BOT CHORD 2-7=-217/370, 6-7=-225/387, 3-8=-370/217, 6-8=-345/196

NOTES- (7)
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-4-2, Interior(1) 1-4-2 to 6-11-4 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) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2, 5.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



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16023 Swingley Ridge Rd. Chesterfield, MO 63017
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August 10,2022

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16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS REALITY - FT. WHITE SPEC T28494659
3264809	HJ01	Diagonal Hip Girder	4	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Jul 18 2022 MiTek Industries, Inc. Tue Aug 9 14:01:26 2022 Page 1
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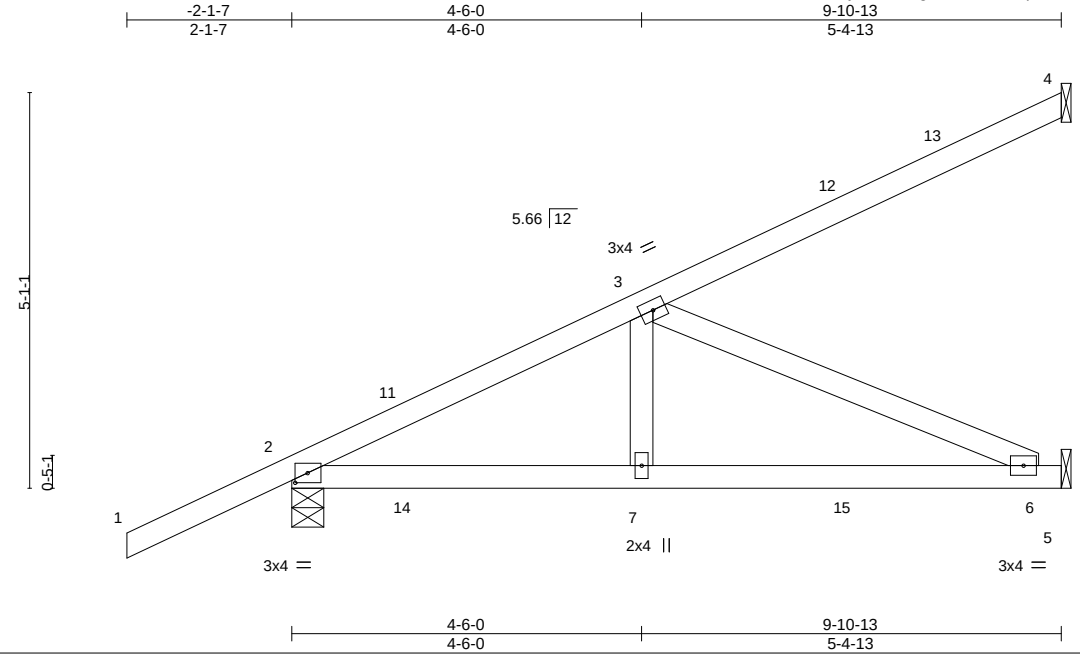


Plate Offsets (X,Y)-- [2:0-1-15,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.59	Vert(LL)	0.08	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.59	Vert(CT)	-0.12	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.38	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 46 lb	FT = 20%

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

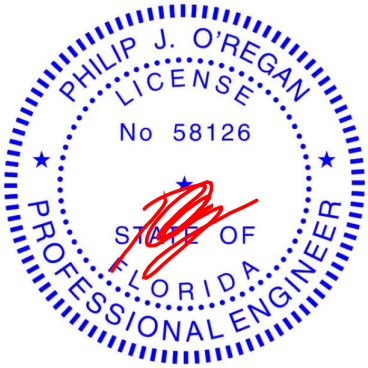
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-1-3 oc bracing.

REACTIONS. (size) 4=Mechanical, 2=0-4-15, 5=Mechanical
Max Horz 2=177(LC 8)
Max Uplift 4=-91(LC 8), 2=-242(LC 8), 5=-187(LC 5)
Max Grav 4=149(LC 1), 2=529(LC 1), 5=299(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-648/325
BOT CHORD 2-7=-383/552, 6-7=-383/552
WEBS 3-7=-91/287, 3-6=-603/418

NOTES- (9)
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 2=242, 5=187.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 59 lb down and 73 lb up at 1-5-12, 59 lb down and 73 lb up at 1-5-12, 75 lb down and 46 lb up at 4-3-11, 75 lb down and 46 lb up at 4-3-11, and 102 lb down and 91 lb up at 7-1-10, and 102 lb down and 91 lb up at 7-1-10 on top chord, and 41 lb down and 51 lb up at 1-5-12, 41 lb down and 51 lb up at 1-5-12, 19 lb down and 24 lb up at 4-3-11, 19 lb down and 24 lb up at 4-3-11, and 41 lb down and 43 lb up at 7-1-10, and 41 lb down and 43 lb up at 7-1-10 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 5-8=-20



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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

August 10,2022

Continued on page 2

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 7=-3(F=-2, B=-2) 12=-74(F=-37, B=-37) 15=-58(F=-29, B=-29)

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS REALITY - FT. WHITE SPEC T28494660
3264809	HJ02	Diagonal Hip Girder	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Jul 18 2022 MiTek Industries, Inc. Tue Aug 9 14:01:27 2022 Page 1
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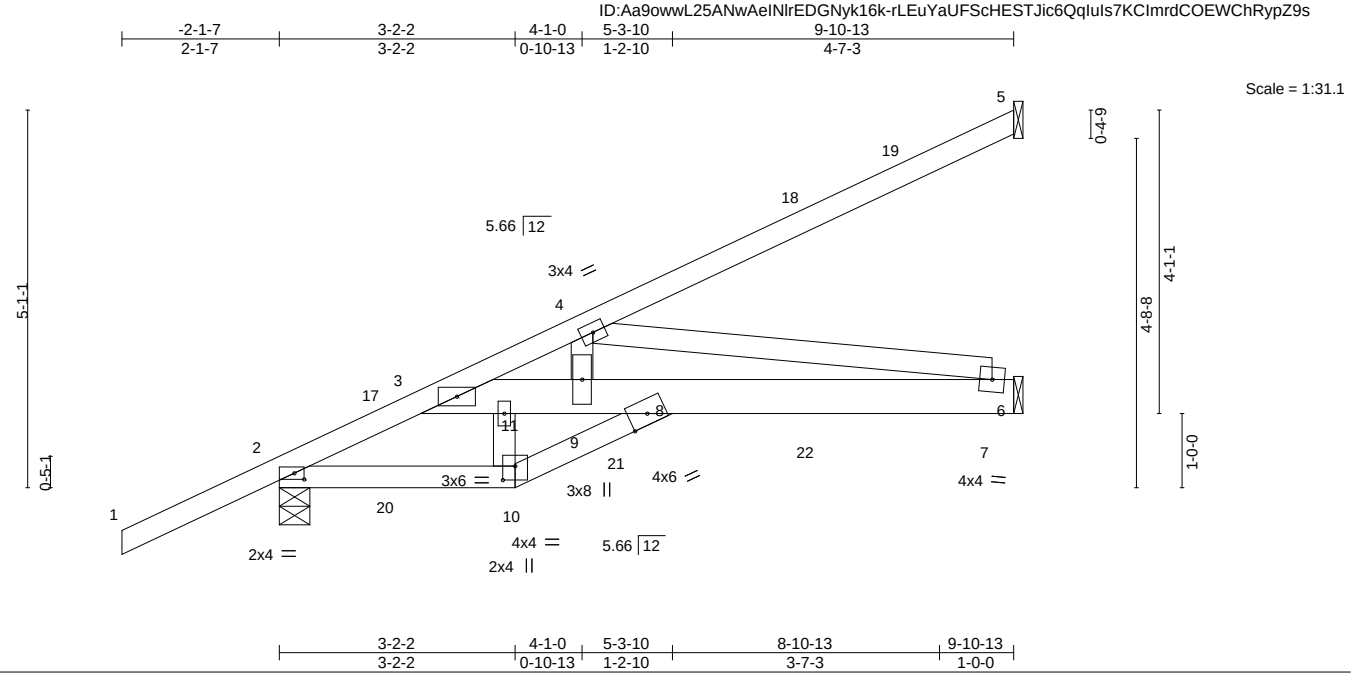


Plate Offsets (X,Y)-- [2:0-1-9,0-1-0], [10:0-2-0,0-2-4]

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	0.50	Vert(LL)	0.06	7-8	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.67	Vert(CT)	-0.12	7-8	>980	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.77	Horz(CT)	0.03	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 57 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
3-6: 2x6 SP No.2
WEBS 2x4 SP No.3

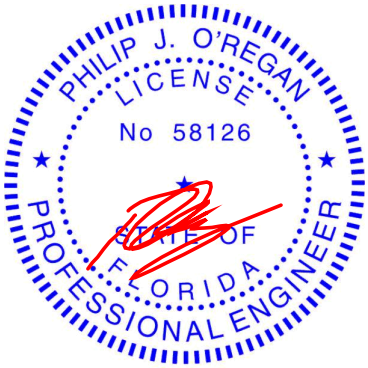
BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-9-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 5=Mechanical, 2=0-4-15, 6=Mechanical
Max Horz 2=177(LC 26)
Max Uplift 5=-77(LC 8), 2=-199(LC 8), 6=-117(LC 8)
Max Grav 5=137(LC 1), 2=562(LC 1), 6=395(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-13=-633/188, 3-4=-1324/408
BOT CHORD 2-10=-260/468, 8-10=-274/511, 3-11=-244/762, 9-11=-259/782, 8-9=-259/782, 7-8=-504/1209
WEBS 4-7=-1227/511, 4-9=-49/572

NOTES- (9)
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; 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) 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) 5 except (jt=lb) 2=199, 6=117.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 59 lb down and 73 lb up at 1-5-12, 59 lb down and 73 lb up at 1-5-12, 104 lb down and 52 lb up at 4-3-11, 104 lb down and 52 lb up at 4-3-11, and 87 lb down and 61 lb up at 7-1-10, and 87 lb down and 61 lb up at 7-1-10 on top chord, and 19 lb down and 51 lb up at 1-5-12, 19 lb down and 51 lb up at 1-5-12, at 4-3-11, at 4-3-11, and 92 lb down and 46 lb up at 7-1-10, and 92 lb down and 46 lb up at 7-1-10 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25



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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

August 10,2022

Continued on page 2

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16023 Swingley Ridge Rd
Chesterfield, MO 63017

LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-5=-54, 10-12=-20, 8-10=-20, 6-8=-20

Concentrated Loads (lb)

Vert: 4=-37(F=-18, B=-18) 18=-15(F=-8, B=-8) 22=-167(F=-83, B=-83)

Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS REALITY - FT. WHITE SPEC T28494661
3264809	T01	Common	10	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Jul 18 2022 MiTek Industries, Inc. Tue Aug 9 14:01:29 2022 Page 1
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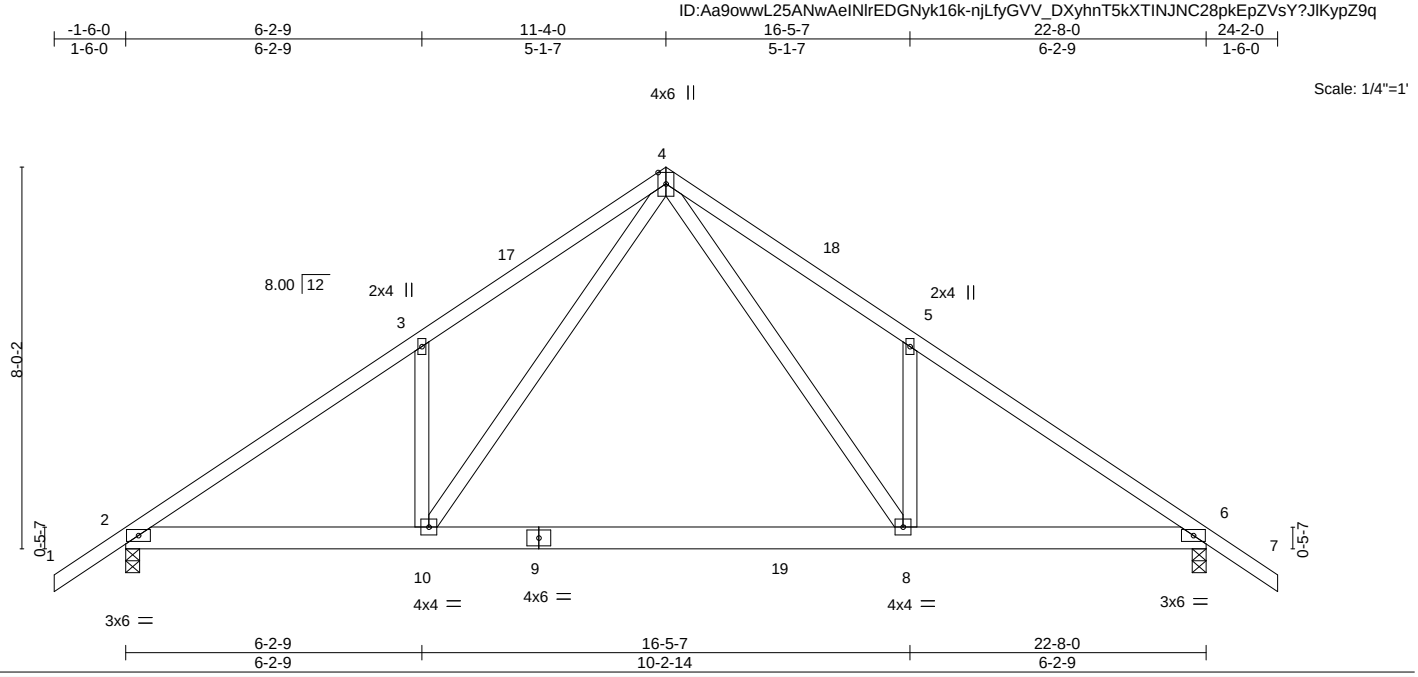


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.41	Vert(LL)	-0.24	8-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.99	Vert(CT)	-0.46	8-10	>597	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.55	Horz(CT)	0.03	6	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS							Weight: 137 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

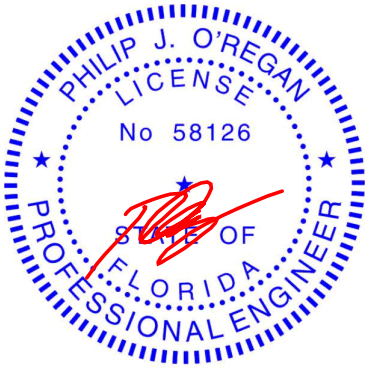
BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-10-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-3-8, 6=0-3-8
Max Horz 2=-183(LC 10)
Max Uplift 2=-266(LC 12), 6=-266(LC 13)
Max Grav 2=1348(LC 19), 6=1347(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2071/372, 3-4=-2104/524, 4-5=-2102/525, 5-6=-2069/372
BOT CHORD 2-10=-319/1773, 8-10=-125/1052, 6-8=-225/1666
WEBS 4-8=-348/1287, 5-8=-309/231, 4-10=-348/1290, 3-10=-309/231

NOTES- (8)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; 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 11-4-0, Exterior(2R) 11-4-0 to 14-4-0, Interior(1) 14-4-0 to 24-2-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=266, 6=266.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-7=-54, 10-11=-20, 8-10=-80(F=-60), 8-14=-20



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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

August 10,2022

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16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS REALITY - FT. WHITE SPEC T28494662
3264809	T01G	Common Supported Gable	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Jul 18 2022 MiTek Industries, Inc. Tue Aug 9 14:01:30 2022 Page 1
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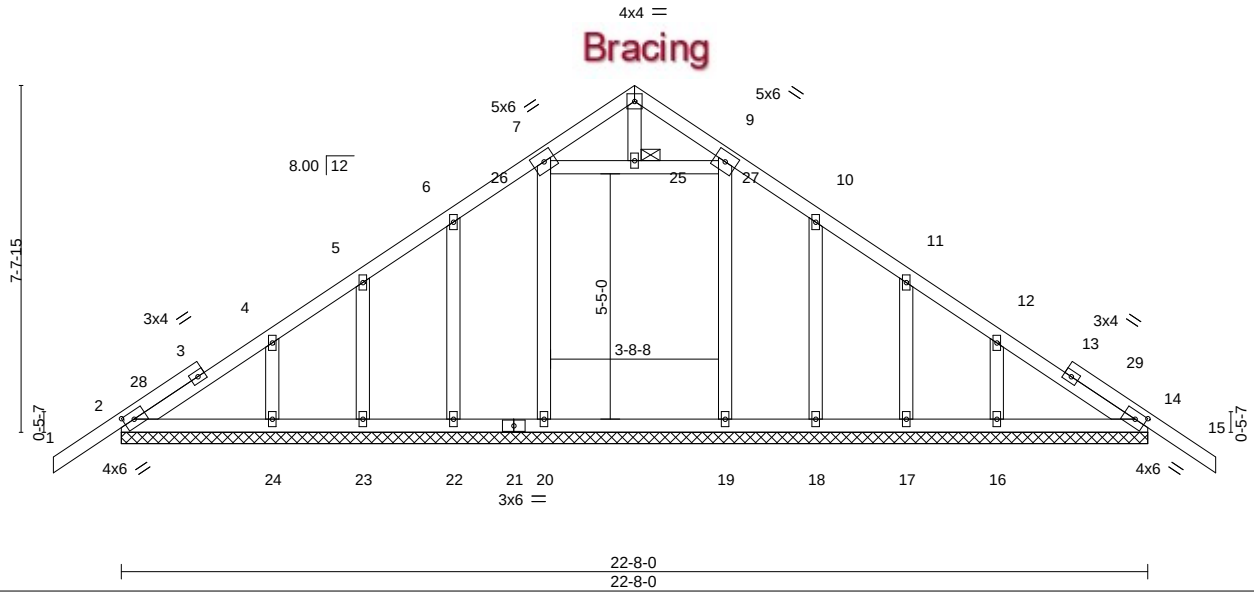


22-8-0
22-8-0

Plate Offsets (X,Y)-- [2:0-2-12,0-2-0], [14:0-2-12,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.13	Vert(LL)	-0.00	15	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.14	Vert(CT)	-0.00	15	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.01	14	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 138 lb	FT = 20%

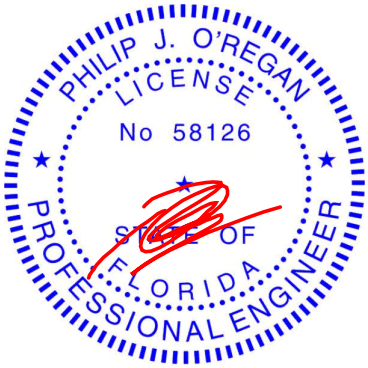
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

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.
JOINTS 1 Brace at Jt(s): 25

REACTIONS. All bearings 22-8-0.
(lb) - Max Horz 2=-175(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 14, 20, 22, 23, 24, 19, 18, 17, 16
Max Grav All reactions 250 lb or less at joint(s) 2, 14, 22, 23, 18, 17 except 20=313(LC 19), 24=265(LC 19), 19=292(LC 20), 16=268(LC 20)

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

NOTES- (12)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; 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 11-4-0, Corner(3R) 11-4-0 to 14-4-0, Exterior(2N) 14-4-0 to 24-2-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Vertical gable studs spaced at 2-0-0 oc and horizontal gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 14, 20, 22, 23, 24, 19, 18, 17, 16.
11) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 14.
12) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

August 10,2022

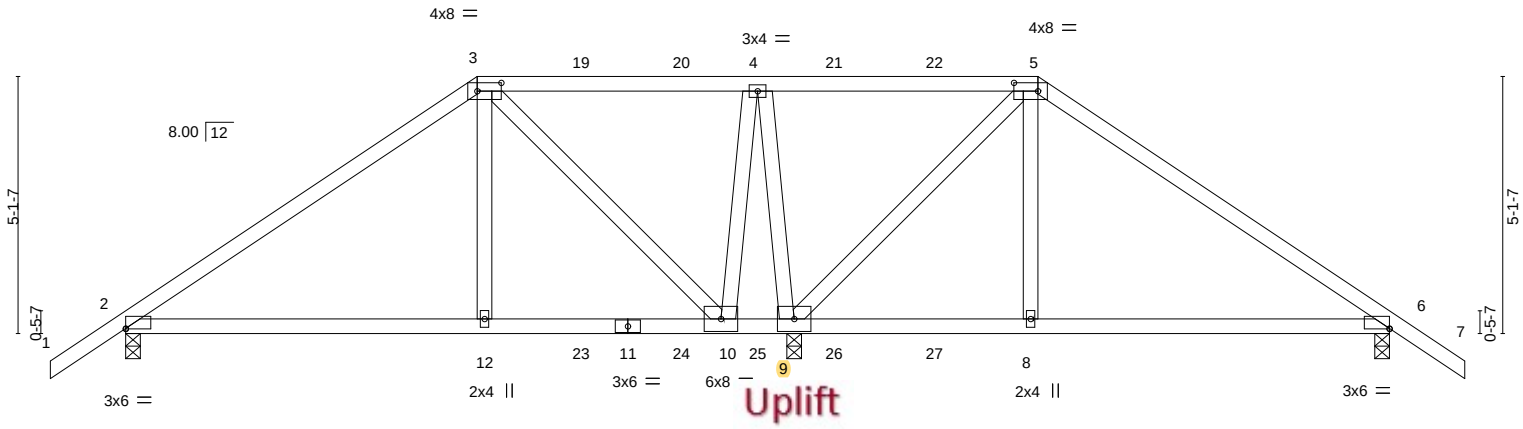
MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS REALITY - FT. WHITE SPEC T28494663
3264809	T02	Hip Girder	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Jul 18 2022 MiTek Industries, Inc. Tue Aug 9 14:01:32 2022 Page 1
ID:Aa9owwL25ANwAeINlrEDGNyk16k-CI1nbIXOG8vXYECfPg0??x?cLLyHR4WxYWDzMeypZ9n

-1-6-0 | 7-0-0 | 12-7-0 | 18-2-0 | 25-2-0 | 26-8-0
1-6-0 | 7-0-0 | 5-7-0 | 5-7-0 | 7-0-0 | 1-6-0

Scale = 1:45.9



7-0-0 | 11-10-4 | 13-3-12 | 18-2-0 | 25-2-0
7-0-0 | 4-10-4 | 1-5-8 | 4-10-4 | 7-0-0

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

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	0.85	Vert(LL)	0.10	12-15	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.56	Vert(CT)	-0.13	8-18	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.92	Horz(CT)	0.02	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 131 lb	FT = 20%

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

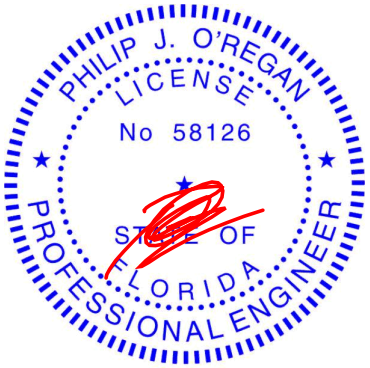
BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-6-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 2=0-3-8, 9=0-3-8, 6=0-3-8
Max Horz 2=-122(LC 6)
Max Uplift 2=-309(LC 8), 9=-1086(LC 5), 6=-275(LC 9)
Max Grav 2=828(LC 1), 9=2387(LC 1), 6=714(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-999/411, 4-5=-238/350, 5-6=-798/350
BOT CHORD 2-12=-339/745, 10-12=-346/762, 8-9=-180/595, 6-8=-175/579
WEBS 3-12=-239/671, 3-10=-913/486, 4-10=-294/708, 4-9=-1462/750, 5-9=-1047/475, 5-8=-185/656

NOTES- (10)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=309, 9=1086, 6=275.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 230 lb down and 211 lb up at 7-0-0, 127 lb down and 106 lb up at 9-0-12, 127 lb down and 106 lb up at 11-0-12, 127 lb down and 99 lb up at 12-7-0, 127 lb down and 106 lb up at 14-1-4, and 127 lb down and 106 lb up at 16-1-4, and 230 lb down and 211 lb up at 18-2-0 on top chord, and 335 lb down and 237 lb up at 7-0-0, 87 lb down and 21 lb up at 9-0-12, 87 lb down and 21 lb up at 11-0-12, 87 lb down and 21 lb up at 12-7-0, 87 lb down and 21 lb up at 14-1-4, and 87 lb down and 21 lb up at 16-1-4, and 335 lb down and 237 lb up at 18-1-4 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).
10) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard



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Date:

August 10,2022

Continued on page 2

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

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, 5-7=-54, 13-16=-20
   Concentrated Loads (lb)
   Vert: 3=-183(F) 5=-183(F) 12=-335(F) 4=-110(F) 8=-335(F) 19=-110(F) 20=-110(F) 21=-110(F) 22=-110(F) 23=-64(F) 24=-64(F) 25=-64(F) 26=-64(F) 27=-64(F)

Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS REALITY - FT. WHITE SPEC
3264809	T03	HALF HIP GIRDER	1	2	T28494664 Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Jul 18 2022 MiTek Industries, Inc. Tue Aug 9 14:01:34 2022 Page 1
ID:Aa9owwL25ANwAeINlrEDGNyk16k-8h9Y0_Zeom9EoYL2W42T4M57B9ivv0OE?qi3QXypZ9l

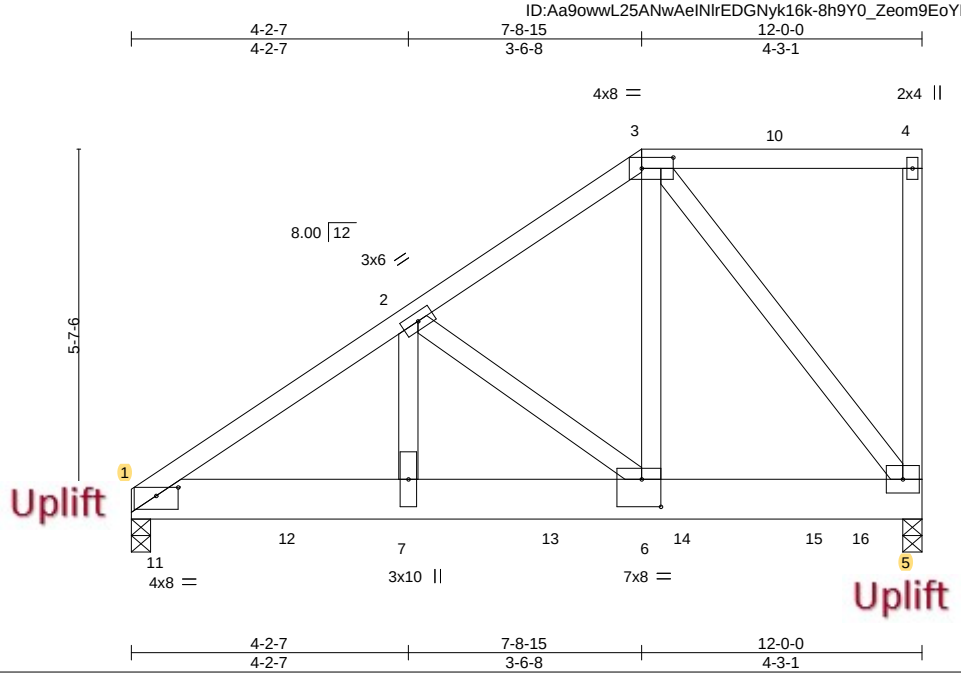


Plate Offsets (X,Y)-- [1:0-4-0,0-1-9], [3:0-5-12,0-2-0], [6:0-3-8,0-5-0]

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	0.19	Vert(LL)	-0.03	7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.23	Vert(CT)	-0.06	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.70	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 180 lb	FT = 20%

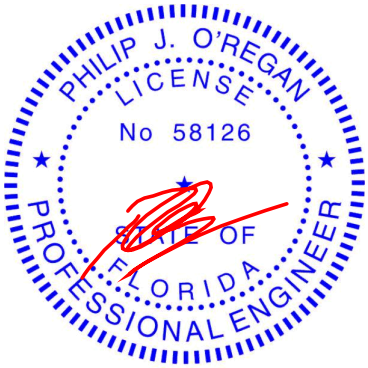
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-11-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=0-3-8, 5=0-3-8
Max Horz 1=173(LC 27)
Max Uplift 1=-753(LC 8), 5=-870(LC 8)
Max Grav 1=3889(LC 1), 5=4257(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-4357/837, 2-3=-2426/475
BOT CHORD 1-7=-812/3601, 6-7=-812/3601, 5-6=-445/2072
WEBS 2-7=-392/2096, 2-6=-2046/486, 3-6=-728/3696, 3-5=-3289/706

NOTES- (11)
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-7-0 oc.
Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-7-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
5) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
6) Provide adequate drainage to prevent water ponding.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=753, 5=870.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1033 lb down and 215 lb up at 0-4-12, 1027 lb down and 216 lb up at 2-4-12, 1027 lb down and 216 lb up at 4-4-12, 1027 lb down and 216 lb up at 6-4-12, 1027 lb down and 216 lb up at 8-4-12, and 1063 lb down and 221 lb up at 10-4-12, and 1066 lb down and 218 lb up at 11-1-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
11) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



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LOAD CASE(S) Standard

Continued on page 2

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

LOAD CASE(S) Standard

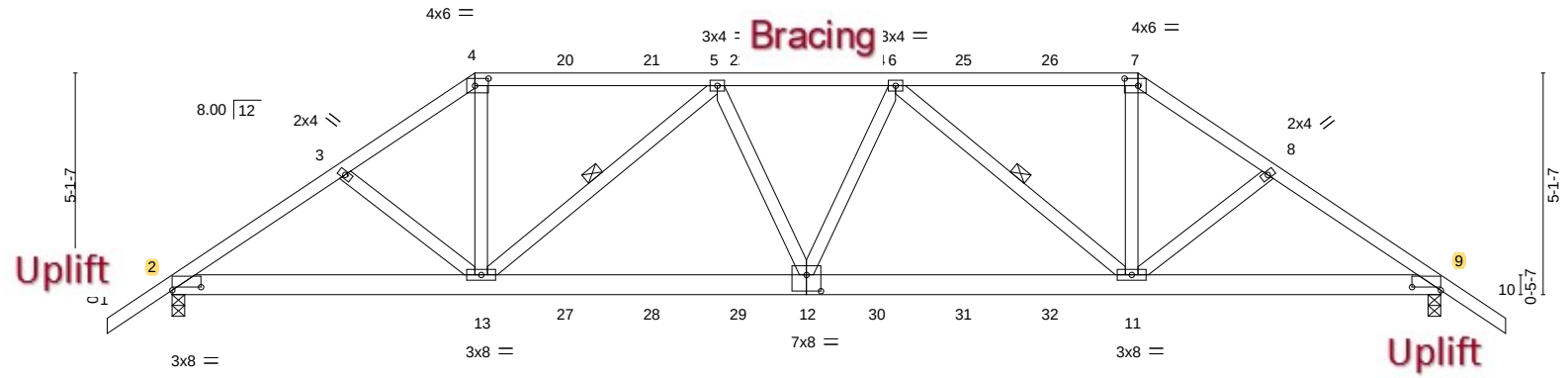
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-54, 3-4=-54, 1-5=-20
   Concentrated Loads (lb)
   Vert: 7=-1027(F) 11=-1033(F) 12=-1027(F) 13=-1027(F) 14=-1027(F) 15=-1063(F) 16=-1066(F)

Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS REALITY - FT. WHITE SPEC T28494665
3264809	T04	Hip Girder	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Jul 18 2022 MiTek Industries, Inc. Tue Aug 9 14:01:36 2022 Page 1
ID:Aa9owwL25ANwAeINlrEDGNyk16k-44GIQfbuKNPy1sVReV5x9nAPByEHNzMXT8BAVQypZ9j

-1-6-0	4-0-0	7-0-0	12-7-4	16-8-12	22-4-0	25-4-0	29-4-0	30-10-0
1-6-0	4-0-0	3-0-0	5-7-4	4-1-7	5-7-4	3-0-0	4-0-0	1-6-0

Scale = 1:52.7



7-0-0	14-8-0	22-4-0	29-4-0
7-0-0	7-8-0	7-8-0	7-0-0

Plate Offsets (X,Y)-- [2:0-8-0,0-0-14], [4:0-3-12,0-2-0], [7:0-3-12,0-2-0], [9:0-8-0,0-0-14], [12:0-4-0,0-4-8]

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	0.41	Vert(LL)	0.18	12-13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.87	Vert(CT)	-0.31	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.55	Horz(CT)	0.10	9	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 182 lb	FT = 20%

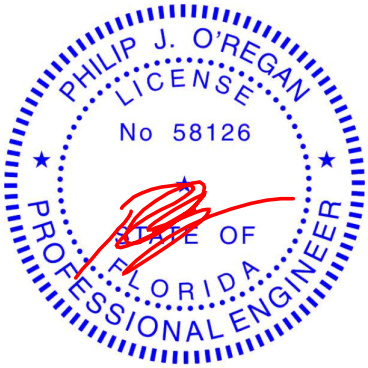
LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
4-7: 2x4 SP M 31
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-11-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-10-15 oc bracing.
WEBS 1 Row at midpt 5-13, 6-11

REACTIONS. (size) 2=0-3-8, 9=0-3-8
Max Horz 2=-122(LC 25)
Max Uplift 2=-907(LC 8), 9=-907(LC 9)
Max Grav 2=2293(LC 1), 9=2293(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3669/1498, 3-4=-3526/1487, 4-5=-2952/1285, 5-6=-3968/1617, 6-7=-2953/1285, 7-8=-3526/1487, 8-9=-3669/1498
BOT CHORD 2-13=-1238/2996, 12-13=-1582/3870, 11-12=-1565/3870, 9-11=-1156/2996
WEBS 4-13=-521/1432, 5-13=-1250/539, 5-12=-30/385, 6-12=-30/385, 6-11=-1250/539, 7-11=-522/1432

NOTES- (10)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=907, 9=907.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 230 lb down and 211 lb up at 7-0-0, 127 lb down and 106 lb up at 9-0-12, 127 lb down and 106 lb up at 11-0-12, 127 lb down and 106 lb up at 13-0-12, 127 lb down and 99 lb up at 14-8-0, 127 lb down and 106 lb up at 16-3-4, 127 lb down and 106 lb up at 18-3-4, and 127 lb down and 106 lb up at 20-3-4, and 230 lb down and 211 lb up at 22-4-0 on top chord, and 335 lb down and 237 lb up at 7-0-0, 87 lb down and 21 lb up at 9-0-12, 87 lb down and 21 lb up at 11-0-12, 87 lb down and 21 lb up at 13-0-12, 87 lb down and 21 lb up at 14-8-0, 87 lb down and 21 lb up at 16-3-4, 87 lb down and 21 lb up at 18-3-4, and 87 lb down and 21 lb up at 20-3-4, and 335 lb down and 237 lb up at 22-3-4 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).
10) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



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Date:

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Continued on page 2

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

LOAD CASE(S) Standard

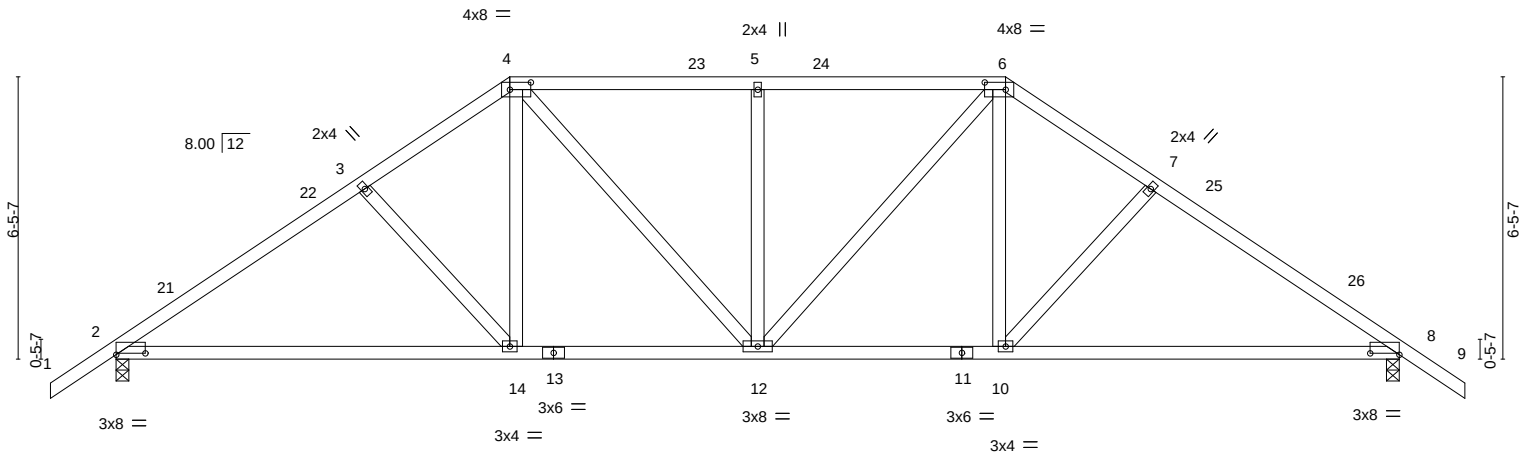
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-54, 4-7=-54, 7-10=-54, 14-17=-20
   Concentrated Loads (lb)
   Vert: 4=-183(B) 7=-183(B) 12=-64(B) 13=-335(B) 11=-335(B) 20=-110(B) 21=-110(B) 22=-110(B) 23=-110(B) 24=-110(B) 25=-110(B) 26=-110(B) 27=-64(B) 28=-64(B) 29=-64(B) 30=-64(B) 31=-64(B) 32=-64(B)

Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS REALITY - FT. WHITE SPEC T28494666
3264809	T05	Hip	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Jul 18 2022 MiTek Industries, Inc. Tue Aug 9 14:01:37 2022 Page 1
ID:Aa9owwL25ANwAeINlrEDGNyk16k-YGqge?bW5hYpf?4dCDcAi?jbcMc?6U0ghoxk1sypZ9i

-1-6-0	5-8-3	9-0-0	14-8-0	20-4-0	23-7-13	29-4-0	30-10-0
1-6-0	5-8-3	3-3-13	5-8-0	5-8-0	3-3-13	5-8-3	1-6-0

Scale = 1:52.7



9-0-0	14-8-0	20-4-0	29-4-0
9-0-0	5-8-0	5-8-0	9-0-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.37	Vert(LL)	-0.15	14-20	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.71	Vert(CT)	-0.31	14-20	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.26	Horz(CT)	0.05	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 163 lb	FT = 20%

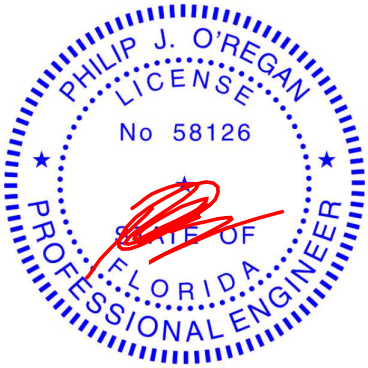
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-4-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 8=0-3-8, 2=0-3-8
Max Horz 2=150(LC 11)
Max Uplift 8=-247(LC 13), 2=-247(LC 12)
Max Grav 8=1166(LC 1), 2=1166(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1593/324, 3-4=-1399/316, 4-5=-1314/291, 5-6=-1314/291, 6-7=-1399/316, 7-8=-1593/324
BOT CHORD 2-14=-265/1262, 12-14=-184/1117, 10-12=-103/1117, 8-10=-164/1262
WEBS 3-14=-253/157, 4-14=-71/401, 4-12=-157/367, 5-12=-355/165, 6-12=-158/367, 6-10=-71/401, 7-10=-253/157

NOTES- (8)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; 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 9-0-0, Exterior(2R) 9-0-0 to 13-2-15, Interior(1) 13-2-15 to 20-4-0, Exterior(2R) 20-4-0 to 24-6-15, Interior(1) 24-6-15 to 30-10-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=247, 2=247.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



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

August 10,2022

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS REALITY - FT. WHITE SPEC T28494667
3264809	T06	Hip	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Jul 18 2022 MiTek Industries, Inc. Tue Aug 9 14:01:38 2022 Page 1
ID:Aa9owwL25ANwAeINlrEDGNyk16k-0SO2rLc9s_ggG9fplw7PECFgBm_vrvzqwSgHalypZ9h

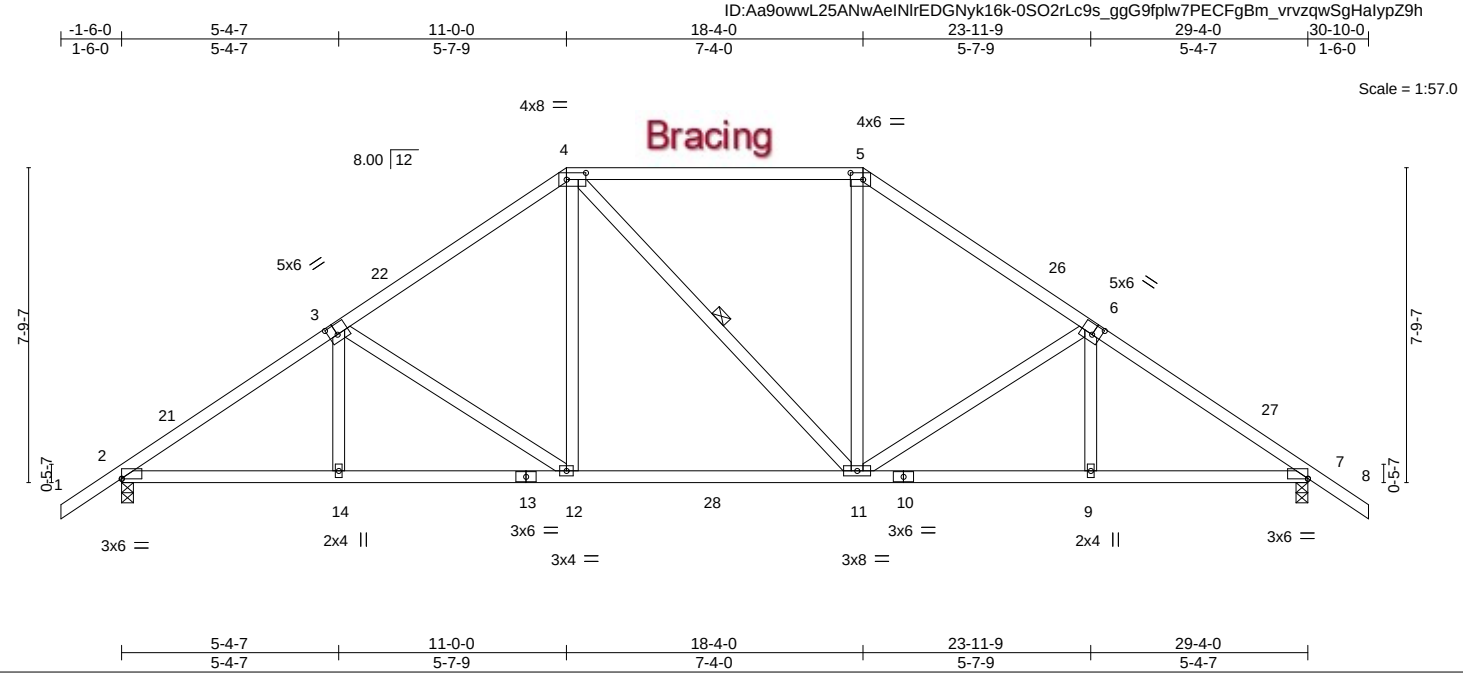


Plate Offsets (X,Y)-- [2:0-0-0,0-0-2], [3:0-2-8,0-3-0], [4:0-5-12,0-2-0], [5:0-3-12,0-2-0], [6:0-2-8,0-3-0], [7:0-0-0,0-0-2]

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	0.76	Vert(LL)	-0.12	11-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.61	Vert(CT)	-0.21	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.41	Horz(CT)	0.06	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 166 lb	FT = 20%

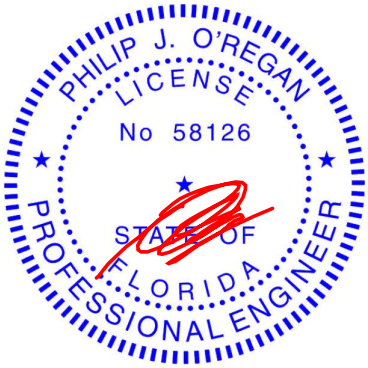
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-4-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-11

REACTIONS. (size) 7=0-3-8, 2=0-3-8
Max Horz 2=-179(LC 10)
Max Uplift 7=-243(LC 13), 2=-243(LC 12)
Max Grav 7=1247(LC 2), 2=1253(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1791/316, 3-4=-1428/282, 4-5=-1126/283, 5-6=-1415/282, 6-7=-1781/317
BOT CHORD 2-14=-289/1513, 12-14=-288/1518, 11-12=-130/1137, 9-11=-168/1437, 7-9=-169/1432
WEBS 3-12=-461/187, 4-12=-58/524, 5-11=-52/487, 6-11=-463/188

NOTES- (8)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; 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 11-0-0, Exterior(2R) 11-0-0 to 15-2-15, Interior(1) 15-2-15 to 18-4-0, Exterior(2R) 18-4-0 to 22-6-15, Interior(1) 22-6-15 to 30-10-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=243, 2=243.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



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

August 10,2022

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS REALITY - FT. WHITE SPEC
3264809	T07	Hip	1	1	T28494668
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Jul 18 2022 MiTek Industries, Inc. Tue Aug 9 14:01:40 2022 Page 1
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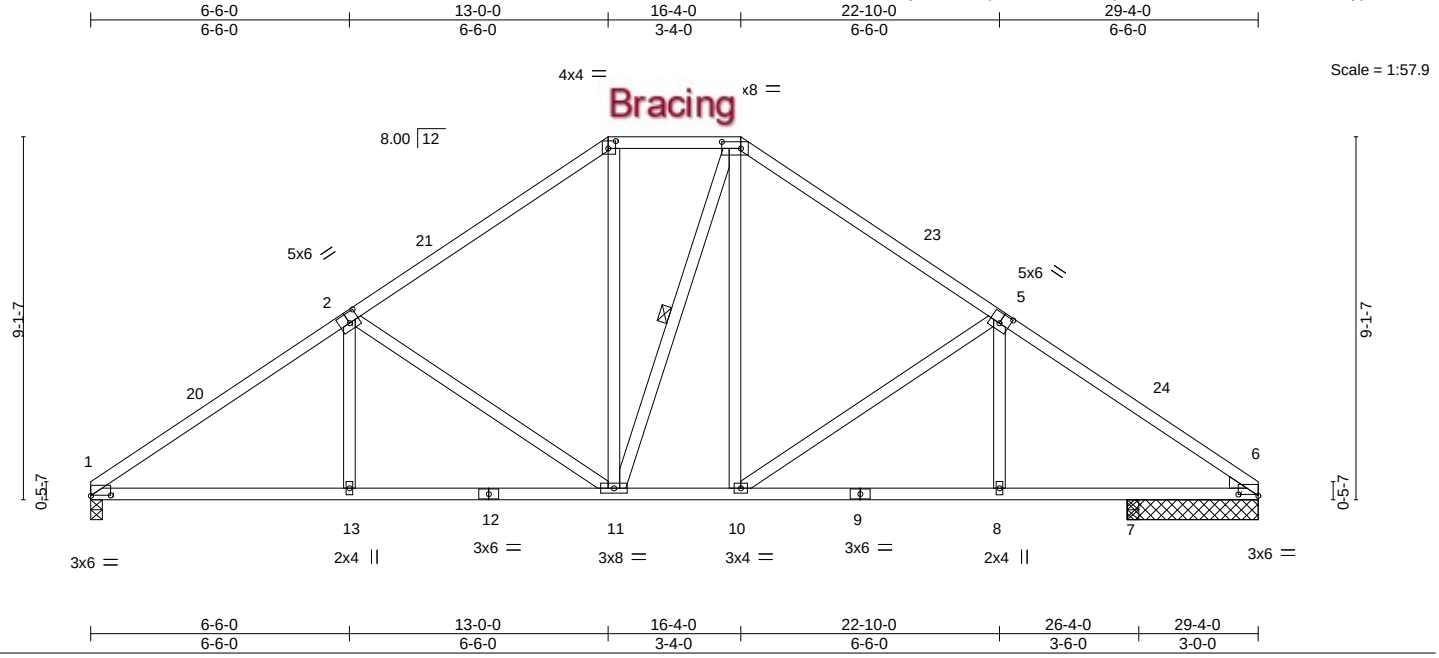


Plate Offsets (X,Y)-- [1:0-6-0,0-0-2], [2:0-3-0,0-3-0], [3:0-2-4,0-2-4], [4:0-5-12,0-2-0], [5:0-3-0,0-3-0], [6:0-6-0,0-0-6]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.45	Vert(LL)	-0.08	8-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.50	Vert(CT)	-0.18	8-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.62	Horz(CT)	0.06	14	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 170 lb	FT = 20%

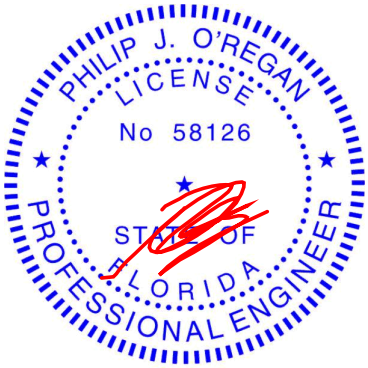
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
WEDGE
Right: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-3-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-11

REACTIONS. All bearings 3-3-8 except (jt=length) 1=0-3-8, 7=0-3-8.
(lb) - Max Horz 1=-186(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 7 except 6=-172(LC 13), 1=-205(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 7 except 6=964(LC 1), 1=1071(LC 1), 6=964(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1617/307, 2-3=-1167/262, 3-4=-883/270, 4-5=-1163/262, 5-6=-1538/279
BOT CHORD 1-13=-302/1278, 11-13=-302/1281, 10-11=-79/880, 8-10=-151/1207, 7-8=-152/1206, 6-7=-152/1206
WEBS 2-13=0/279, 2-11=-511/235, 3-11=-91/364, 4-10=-90/352, 5-10=-425/211

NOTES- (8)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 13-0-0, Exterior(2E) 13-0-0 to 16-4-0, Exterior(2R) 16-4-0 to 20-6-15, Interior(1) 20-6-15 to 29-4-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7 except (jt=lb) 6=172, 1=205, 6=172.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



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

August 10,2022

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS REALITY - FT. WHITE SPEC T28494669
3264809	T08	Roof Special	2	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Jul 18 2022 MiTek Industries, Inc. Tue Aug 9 14:01:41 2022 Page 1
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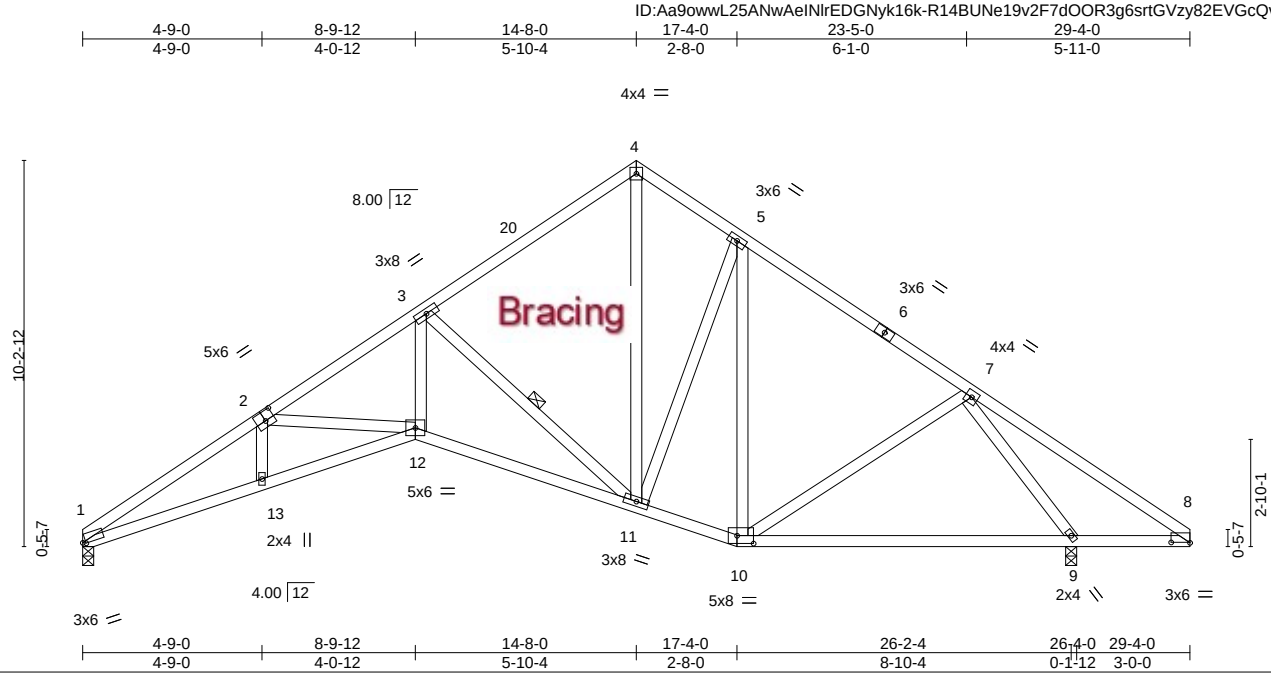


Plate Offsets (X,Y)-- [1:0-1-0,0-0-7], [2:0-3-0,0-3-0], [8:0-6-0,0-0-2], [10:0-5-4,0-2-8]

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	0.44	Vert(LL)	-0.19	9-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.83	Vert(CT)	-0.39	9-10	>819	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.55	Horz(CT)	0.19	9	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 175 lb	FT = 20%

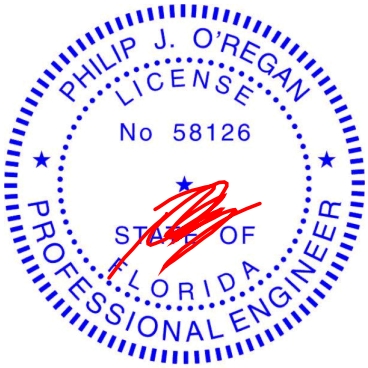
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-4-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 3-11

REACTIONS. (size) 1=0-3-8, 9=0-3-8
Max Horz 1=-209(LC 8)
Max Uplift 1=-184(LC 12), 9=-224(LC 13)
Max Grav 1=960(LC 1), 9=1211(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2528/572, 2-3=-2208/491, 3-4=-924/234, 4-5=-882/274, 5-7=-940/230
BOT CHORD 1-13=-581/2207, 12-13=-583/2225, 11-12=-409/1901, 10-11=-71/745, 9-10=-79/559
WEBS 3-12=-301/1434, 3-11=-1475/441, 4-11=-202/721, 7-9=-1185/360

NOTES- (8)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 14-8-0, Exterior(2R) 14-8-0 to 17-5-12, Interior(1) 17-5-12 to 29-4-0 zone; cantilever right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=184, 9=224.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



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

August 10,2022

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16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS REALITY - FT. WHITE SPEC T28494670
3264809	T09	Roof Special	3	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Jul 18 2022 MiTek Industries, Inc. Tue Aug 9 14:01:42 2022 Page 1
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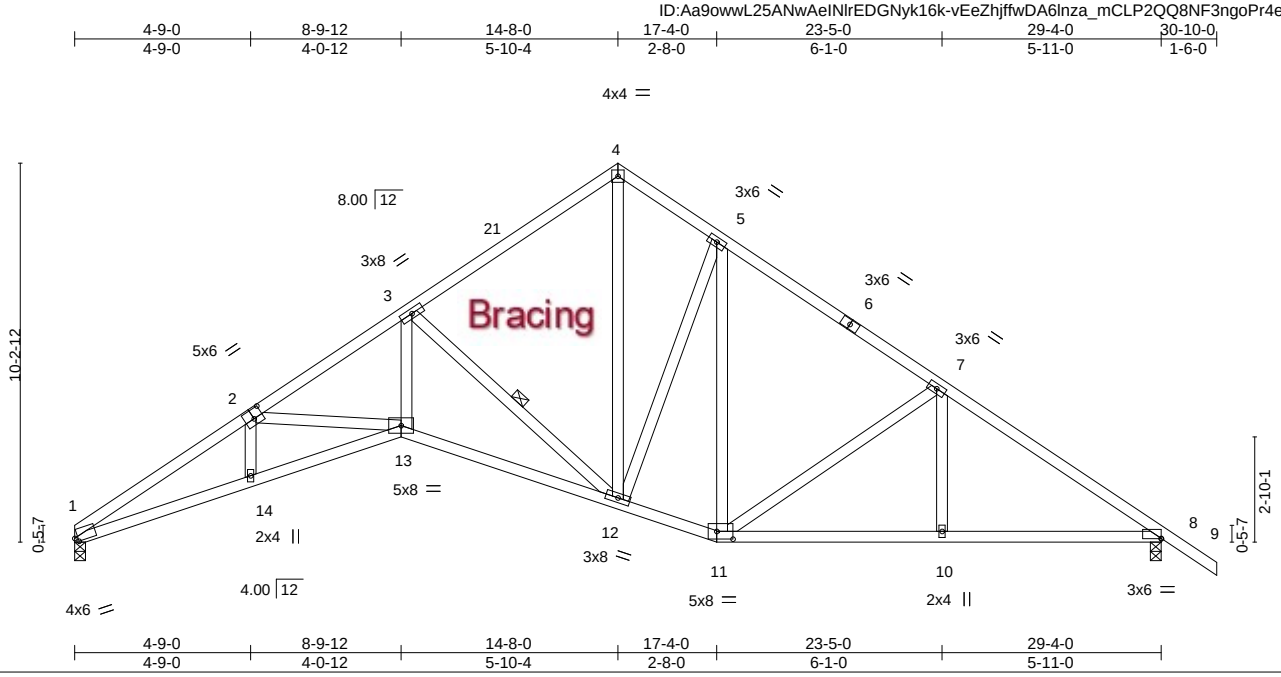


Plate Offsets (X,Y)-- [1:0-1-1,0-1-5], [2:0-3-0,0-3-0], [8:Edge,0-0-2], [11:0-5-4,0-2-8]

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	0.51	Vert(LL)	-0.19	13-14	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.98	Vert(CT)	-0.35	12-13	>996	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.61	Horz(CT)	0.24	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 176 lb	FT = 20%

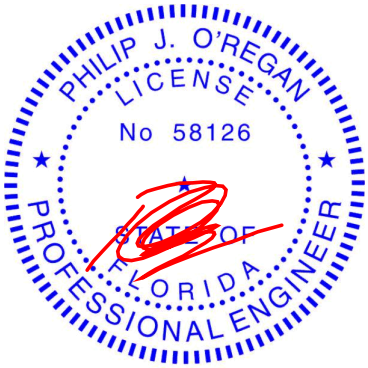
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-11-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 3-12

REACTIONS. (size) 1=0-3-8, 8=0-3-8
Max Horz 1=-223(LC 10)
Max Uplift 1=-201(LC 12), 8=-232(LC 13)
Max Grav 1=1083(LC 1), 8=1168(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2901/607, 2-3=-2618/530, 3-4=-1166/284, 4-5=-1123/305, 5-7=-1248/283, 7-8=-1641/292
BOT CHORD 1-14=-597/2499, 13-14=-598/2522, 12-13=-427/2220, 11-12=-94/1025, 10-11=-150/1298, 8-10=-150/1298
WEBS 3-13=-312/1627, 3-12=-1638/451, 4-12=-244/987, 5-12=-264/240, 7-11=-431/195, 7-10=0/259

NOTES- (8)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 14-8-0, Exterior(2R) 14-8-0 to 17-5-12, Interior(1) 17-5-12 to 30-10-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=201, 8=232.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



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

August 10,2022

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16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS REALITY - FT. WHITE SPEC T28494671
3264809	T10	Roof Special	3	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Jul 18 2022 MiTek Industries, Inc. Tue Aug 9 14:01:44 2022 Page 1
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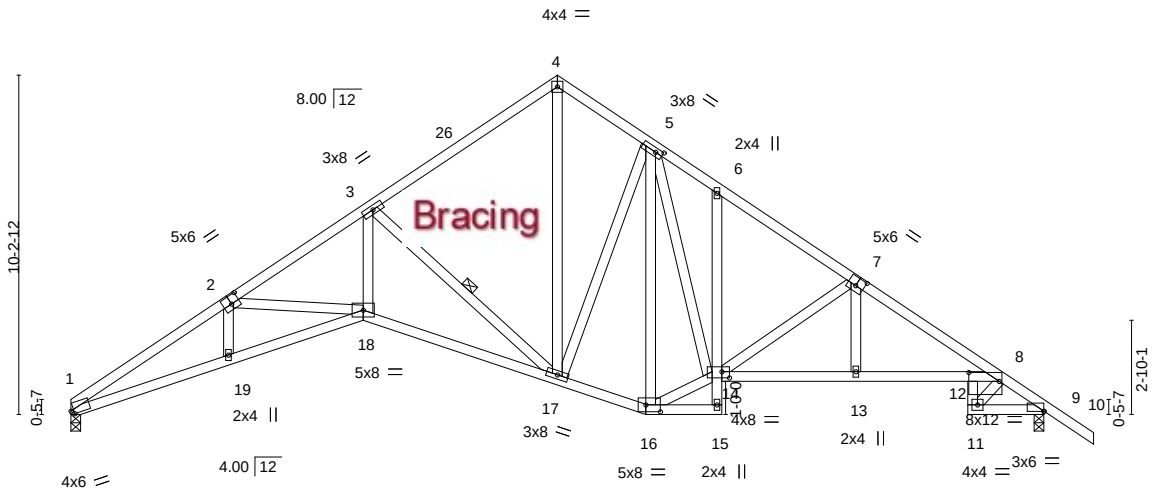
4-9-0	8-9-12	14-8-0	17-4-0	19-7-8	23-8-0	27-0-8	29-4-0	30-10-0
4-9-0	4-0-12	5-10-4	2-8-0	2-3-8	4-0-8	3-4-8	2-3-8	1-6-0

Scale = 1:69.5



4-9-0	8-9-12	14-8-0	17-4-0	19-7-8	23-8-0	27-0-8	29-4-0
4-9-0	4-0-12	5-10-4	2-8-0	2-3-8	4-0-8	3-4-8	2-3-8

Plate Offsets (X,Y)-- [1:0-1-1,0-1-5], [2:0-3-0,0-3-0], [5:0-2-10,0-1-8], [7:0-3-0,0-3-0], [8:0-11-0,0-3-3], [9:0-0-0,0-0-2], [14:0-2-12,0-2-4], [16:0-5-4,0-2-8]

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	0.83	Vert(LL)	-0.23	12-13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.98	Vert(CT)	-0.44	17-18	>792	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.84	Horz(CT)	0.39	9	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 198 lb	FT = 20%

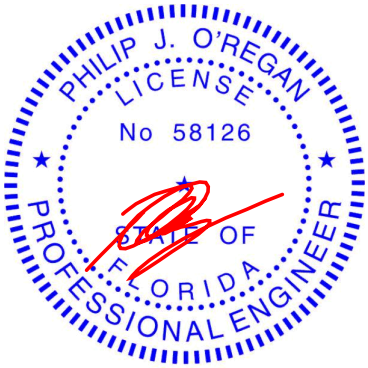
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
6-15: 2x4 SP No.3, 8-14: 2x4 SP M 31
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
2-2-0 oc bracing: 1-19
7-7-12 oc bracing: 18-19
9-0-9 oc bracing: 17-18.
WEBS 1 Row at midpt 3-17

REACTIONS. (size) 1=0-3-8, 9=0-3-8
Max Horz 1=-223(LC 10)
Max Uplift 1=-201(LC 12), 9=-232(LC 13)
Max Grav 1=1083(LC 1), 9=1168(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2902/607, 2-3=-2617/530, 3-4=-1165/284, 4-5=-1105/296, 5-6=-1485/360, 6-7=-1561/303, 7-8=-2217/361, 8-9=-1541/281
BOT CHORD 1-19=-597/2499, 18-19=-599/2522, 17-18=-427/2220, 16-17=-88/1013, 13-14=-213/1856, 12-13=-213/1844, 8-12=-177/1586, 11-12=-139/1081, 9-11=-165/1145
WEBS 3-18=-312/1628, 3-17=-1637/450, 4-17=-223/952, 5-16=-678/67, 14-16=-74/924, 5-14=-187/948, 7-14=-755/205, 7-13=-28/454, 8-11=-1374/194

NOTES- (8)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 14-8-0, Exterior(2R) 14-8-0 to 17-5-12, Interior(1) 17-5-12 to 30-10-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=201, 9=232.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

August 10,2022

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS REALITY - FT. WHITE SPEC T28494672
3264809	T11	Common	4	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Jul 18 2022 MiTek Industries, Inc. Tue Aug 9 14:01:45 2022 Page 1
ID:Aa9owwL25ANwAeINlrEDGNyk16k-JoJiJkiYC8YhcEh9gul20h2qaaKc_6orX2t9JOypZ9a

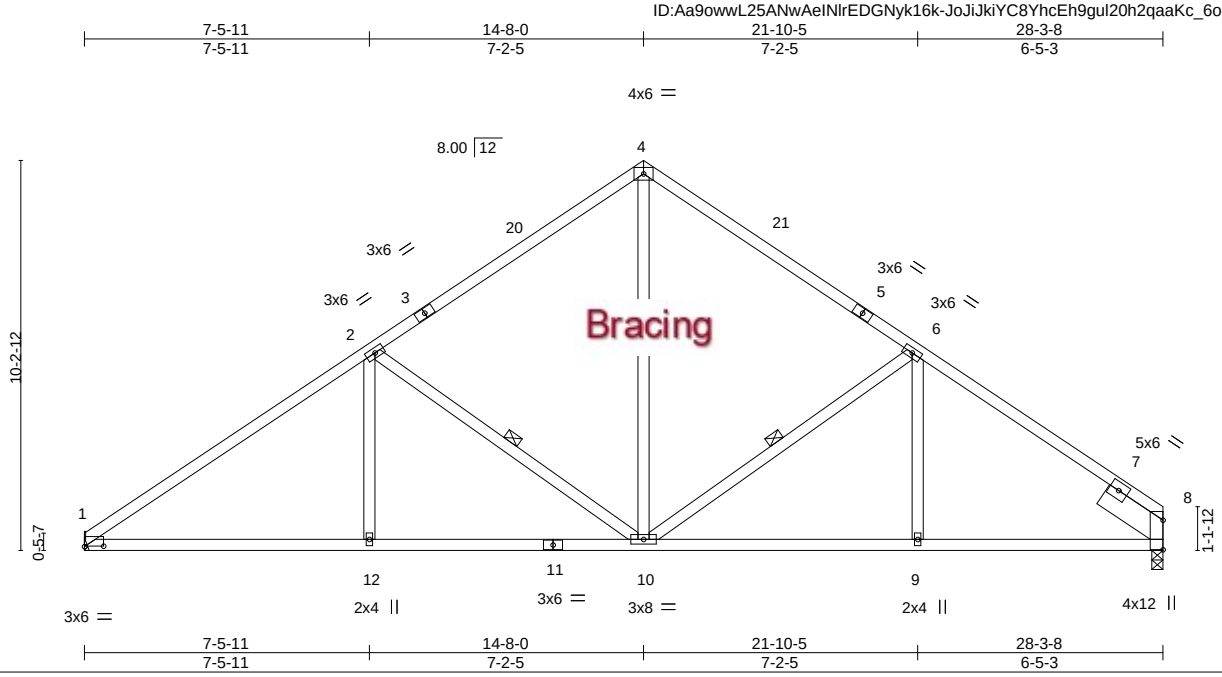


Plate Offsets (X,Y)-- [1:0-6-0,0-0-2]

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	0.88	Vert(LL)	-0.11	9-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.79	Vert(CT)	-0.24	9-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.28	Horz(CT)	0.11	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 153 lb	FT = 20%

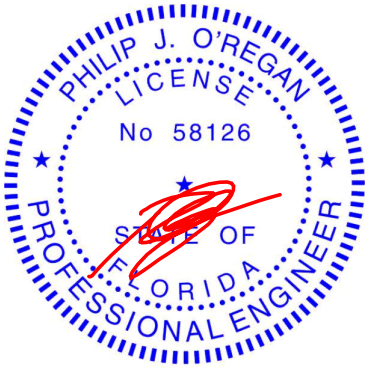
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Right 2x8 SP 2400F 2.0E 1-11-8

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 2-10, 6-10

REACTIONS. (size) 1=Mechanical, 8=0-3-8
Max Horz 1=207(LC 9)
Max Uplift 1=-196(LC 12), 8=-189(LC 13)
Max Grav 1=1047(LC 1), 8=1047(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1537/282, 2-4=-1045/269, 4-6=-1034/266, 6-8=-1347/260
BOT CHORD 1-12=-297/1204, 10-12=-297/1204, 9-10=-147/1042, 8-9=-147/1042
WEBS 2-12=0/301, 2-10=-559/265, 4-10=-146/658, 6-10=-384/227

NOTES- (8)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 14-8-0, Exterior(2R) 14-8-0 to 17-8-0, Interior(1) 17-8-0 to 28-3-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=196, 8=189.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



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Date:

August 10,2022

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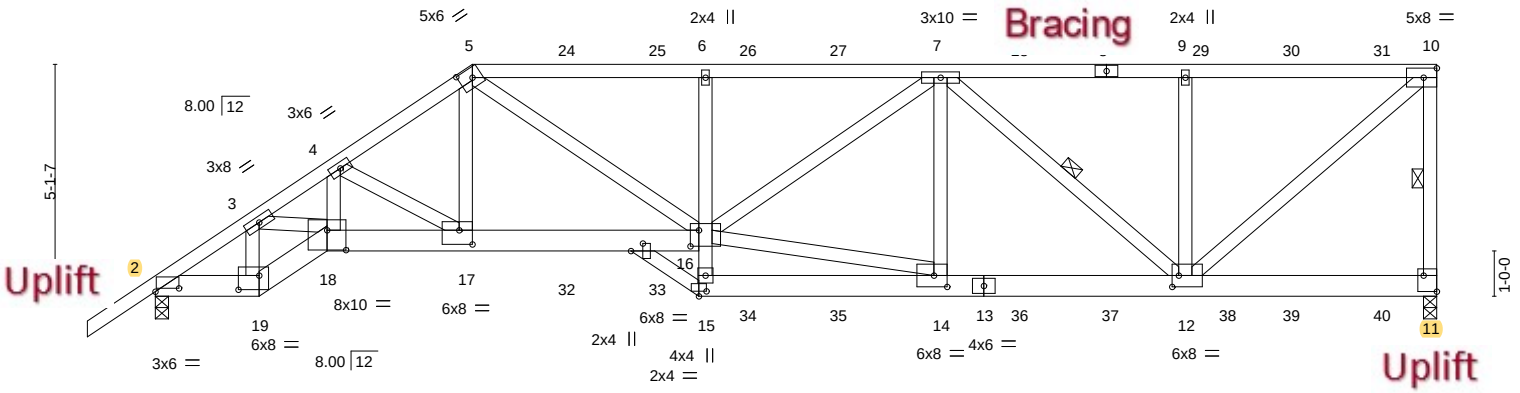
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS REALITY - FT. WHITE SPEC T28494673
3264809	T12	Half Hip Girder	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Jul 18 2022 MiTek Industries, Inc. Tue Aug 9 14:01:48 2022 Page 1
ID:Aa9owwL25ANwAeINlrEDGNyk16k-kN?qymkQV3wFTiQkL1lleJgJAoIRBJJID?5pwjypZ9X

-1-6-0	2-3-8	3-9-8	7-0-0	12-0-0	17-4-1	22-8-14	28-3-8
1-6-0	2-3-8	1-6-0	3-2-8	5-0-0	5-4-0	5-4-14	5-6-10

Scale = 1:50.9



2-3-8	3-9-8	7-0-0	10-6-0	12-0-0	17-4-1	22-8-14	28-3-8
2-3-8	1-6-0	3-2-8	3-6-0	1-6-0	5-4-0	5-4-14	5-6-10

Plate Offsets (X,Y)-- [2:0-6-4,0-0-14], [5:0-3-8,0-2-8], [11:Edge,0-3-8], [12:0-1-12,0-3-0], [14:0-3-8,0-3-0], [15:0-2-0,0-1-5], [16:0-2-4,0-4-4], [17:0-3-8,0-3-12], [18:0-5-0,0-5-4], [19:0-5-8,0-3-12], [20:0-2-0,0-3-2]

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	0.99	Vert(LL)	0.23	16-17	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.98	Vert(CT)	-0.42	16-17	>803	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.93	Horz(CT)	0.17	11	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS							Weight: 204 lb	FT = 20%

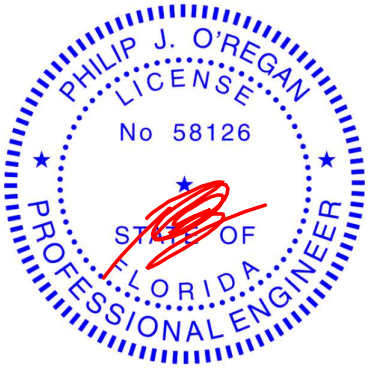
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
6-15,15-20: 2x4 SP No.3
WEBS 2x4 SP No.3 *Except*
14-16,7-12,10-12: 2x4 SP No.2

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

REACTIONS. (size) 11=0-3-8, 2=0-3-8
Max Horz 2=185(LC 8)
Max Uplift 11=-860(LC 5), 2=-747(LC 8)
Max Grav 11=2313(LC 1), 2=2211(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3517/1189, 3-4=-5501/1984, 4-5=-4334/1568, 5-6=-4430/1630, 6-7=-4395/1620, 7-9=-2231/828, 9-10=-2231/828, 10-11=-2181/856
BOT CHORD 2-19=-1100/2873, 18-19=-1217/3186, 17-18=-1709/4475, 16-17=-1318/3526, 6-16=-546/307, 14-15=-140/375, 12-14=-1243/3372
WEBS 3-19=-1685/666, 3-18=-736/1935, 4-18=-382/1038, 4-17=-1034/432, 5-17=-419/1322, 5-16=-475/1160, 14-16=-1124/3052, 7-16=-500/1261, 7-14=-314/236, 7-12=-1519/568, 9-12=-641/377, 10-12=-1083/2929

NOTES- (10)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=860, 2=747.



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Date:

August 10,2022

Continued on page 2

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16023 Swingley Ridge Rd
Chesterfield, MO 63017

NOTES- (10)

8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 206 lb down and 172 lb up at 7-0-0, 111 lb down and 81 lb up at 9-0-12, 111 lb down and 81 lb up at 11-0-12, 127 lb down and 106 lb up at 13-0-12, 127 lb down and 106 lb up at 15-0-12, 127 lb down and 102 lb up at 17-0-12, 127 lb down and 106 lb up at 19-0-12, 127 lb down and 106 lb up at 21-0-12, 127 lb down and 106 lb up at 23-0-12, and 127 lb down and 106 lb up at 25-0-12, and 127 lb down and 106 lb up at 27-0-12 on top chord, and 461 lb down and 186 lb up at 7-0-0, 122 lb down and 41 lb up at 9-0-12, 122 lb down and 41 lb up at 11-0-12, 87 lb down and 21 lb up at 13-0-12, 87 lb down and 21 lb up at 15-0-12, 87 lb down and 21 lb up at 17-0-12, 87 lb down and 21 lb up at 19-0-12, 87 lb down and 21 lb up at 21-0-12, 87 lb down and 21 lb up at 23-0-12, and 87 lb down and 21 lb up at 25-0-12, and 87 lb down and 21 lb up at 27-0-12 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).
10) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard

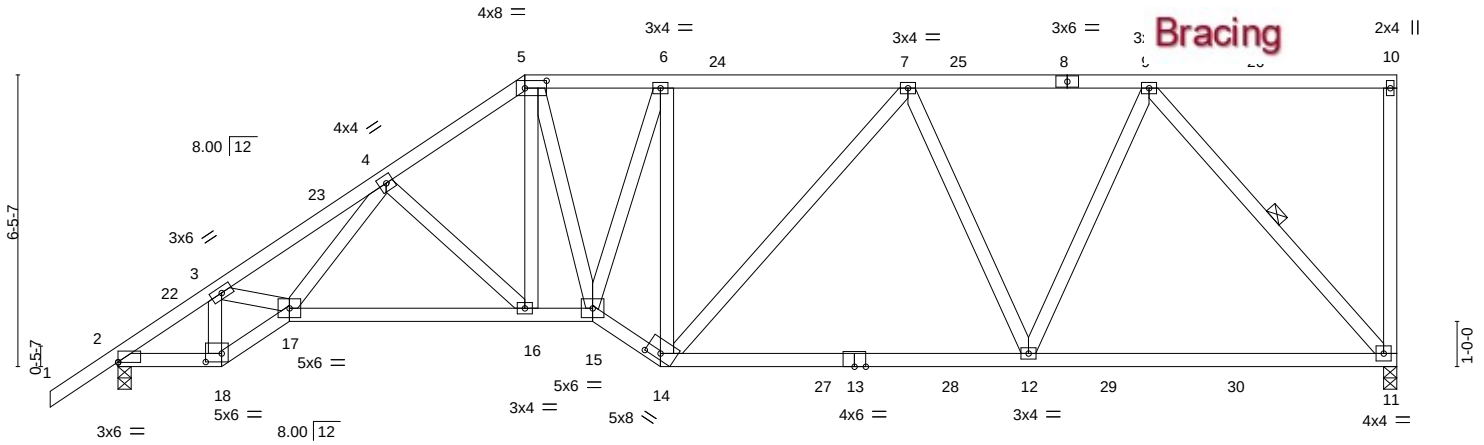
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-54, 5-10=-54, 19-21=-20, 18-19=-20, 16-18=-20, 11-15=-20
Concentrated Loads (lb)
Vert: 8=-110(F) 17=-442(F) 5=-144(F) 14=-64(F) 7=-110(F) 24=-83(F) 25=-83(F) 26=-110(F) 27=-110(F) 28=-110(F) 29=-110(F) 30=-110(F) 31=-110(F) 32=-108(F) 33=-108(F) 34=-64(F) 35=-64(F) 36=-64(F) 37=-64(F) 38=-64(F) 39=-64(F) 40=-64(F)

Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS REALITY - FT. WHITE SPEC T28494674
3264809	T13	Half Hip	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Jul 18 2022 MiTek Industries, Inc. Tue Aug 9 14:01:49 2022 Page 1
ID:Aa9owwL25ANwAeINlrEDGNyk16k-CaZD96l2GN265s?xvkq_BXCexCfqws1RSfrMS9ypZ9W

-1-6-0	2-3-8	5-11-3	9-0-0	12-0-0	17-5-12	22-9-12	28-3-8
1-6-0	2-3-8	3-7-11	3-0-13	3-0-0	5-5-11	5-4-0	5-5-13

Scale = 1:51.0



2-3-8	3-9-8	9-0-0	10-6-0	12-0-0	20-1-12	28-3-8
2-3-8	1-6-0	5-2-8	1-6-0	1-6-0	8-1-11	8-1-12

Plate Offsets (X,Y)-- [2:0-0-0,0-0-2], [5:0-5-12,0-2-0], [14:0-4-0,0-1-9], [18:0-4-4,0-2-4]

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	0.35	Vert(LL)	-0.17	12-14	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.90	Vert(CT)	-0.31	12-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.52	Horz(CT)	0.10	11	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 189 lb	FT = 20%

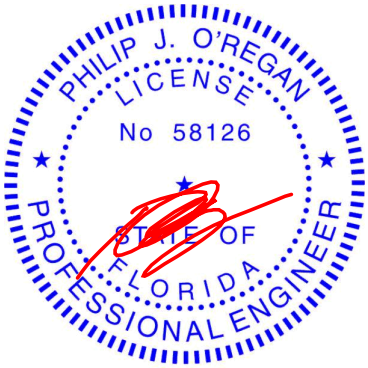
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-4-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-3-15 oc bracing.
WEBS 1 Row at midpt 9-11

REACTIONS. (size) 11=0-3-8, 2=0-3-8
Max Horz 2=230(LC 12)
Max Uplift 11=-259(LC 9), 2=-253(LC 12)
Max Grav 11=1170(LC 2), 2=1204(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1723/333, 3-4=-2660/632, 4-5=-1688/395, 5-6=-1450/364, 6-7=-1315/316, 7-9=-1129/226
BOT CHORD 2-18=-446/1388, 17-18=-502/1595, 16-17=-508/1710, 15-16=-354/1378, 14-15=-377/1524, 12-14=-284/1259, 11-12=-193/831
WEBS 3-18=-889/301, 3-17=-228/935, 4-17=-220/848, 4-16=-527/219, 5-16=-124/591, 5-15=-143/309, 6-15=-181/507, 6-14=-697/291, 7-12=-383/184, 9-12=-121/750, 9-11=-1244/293

NOTES- (8)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; 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 9-0-0, Exterior(2R) 9-0-0 to 13-2-15, Interior(1) 13-2-15 to 28-1-12 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=259, 2=253.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

August 10,2022

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Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS REALITY - FT. WHITE SPEC T28494675
3264809	T14	Half Hip	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Jul 18 2022 MiTek Industries, Inc. Tue Aug 9 14:01:51 2022 Page 1
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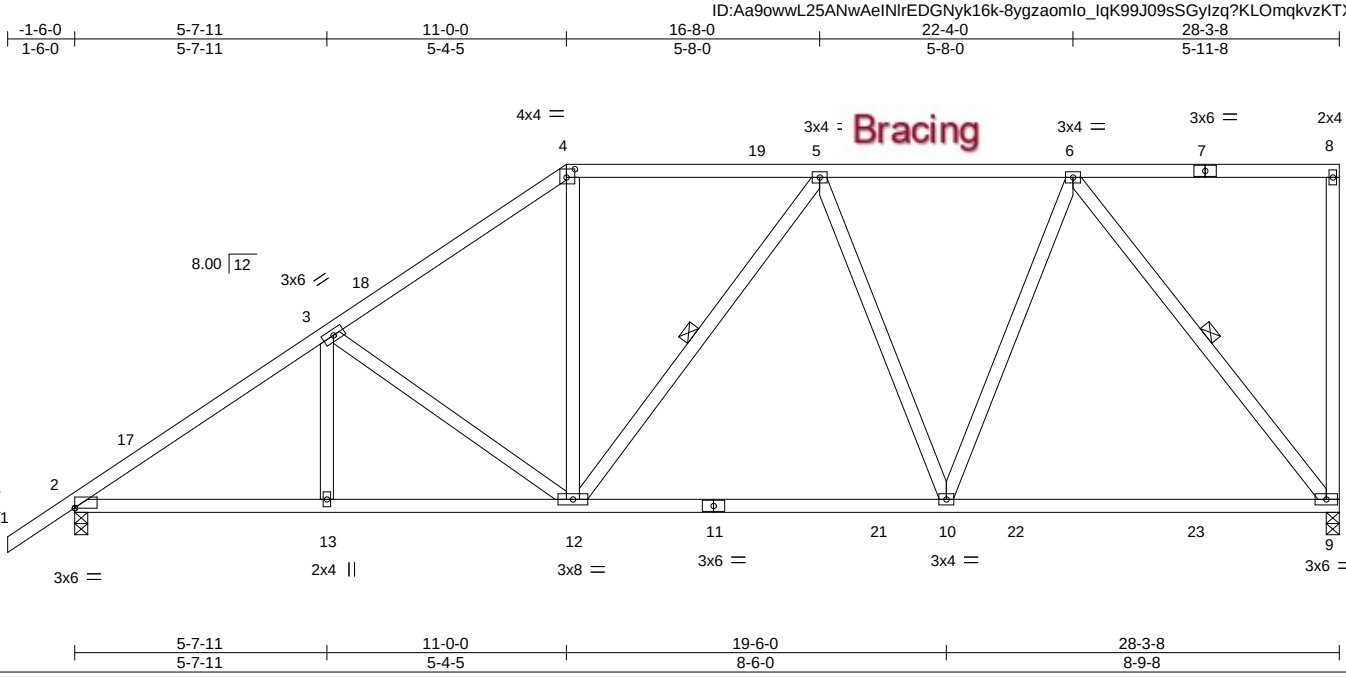


Plate Offsets (X,Y)-- [2:0-0-0,0-0-2], [4:0-2-4,0-2-4]

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	0.45	Vert(LL)	-0.24	9-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.96	Vert(CT)	-0.39	9-10	>869	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.56	Horz(CT)	0.05	9	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 177 lb	FT = 20%

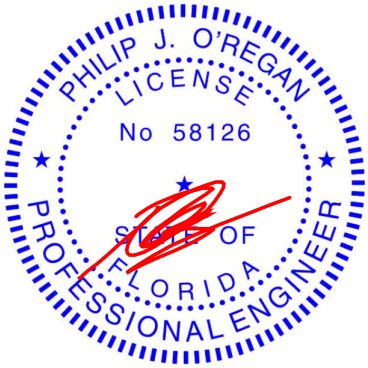
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-5-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 5-12, 6-9

REACTIONS. (size) 9=0-3-8, 2=0-3-8
Max Horz 2=274(LC 12)
Max Uplift 9=-255(LC 9), 2=-247(LC 12)
Max Grav 9=1191(LC 2), 2=1214(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1708/319, 3-4=-1353/291, 4-5=-1074/286, 5-6=-990/193
BOT CHORD 2-13=-439/1369, 12-13=-439/1369, 10-12=-260/1083, 9-10=-168/740
WEBS 3-12=-454/187, 4-12=-30/491, 5-10=-325/189, 6-10=-127/707, 6-9=-1181/272

NOTES- (8)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; 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 11-0-0, Exterior(2R) 11-0-0 to 15-2-15, Interior(1) 15-2-15 to 28-1-12 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=255, 2=247.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



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August 10,2022

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Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS REALITY - FT. WHITE SPEC T28494676
3264809	T15	Hip	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Jul 18 2022 MiTek Industries, Inc. Tue Aug 9 14:01:52 2022 Page 1
ID:Aa9owwL25ANwAeINlrEDGNyk16k-c9ELn8nxZIQhyJjWasNhp9q2pPfc7BBt8d303UypZ9T

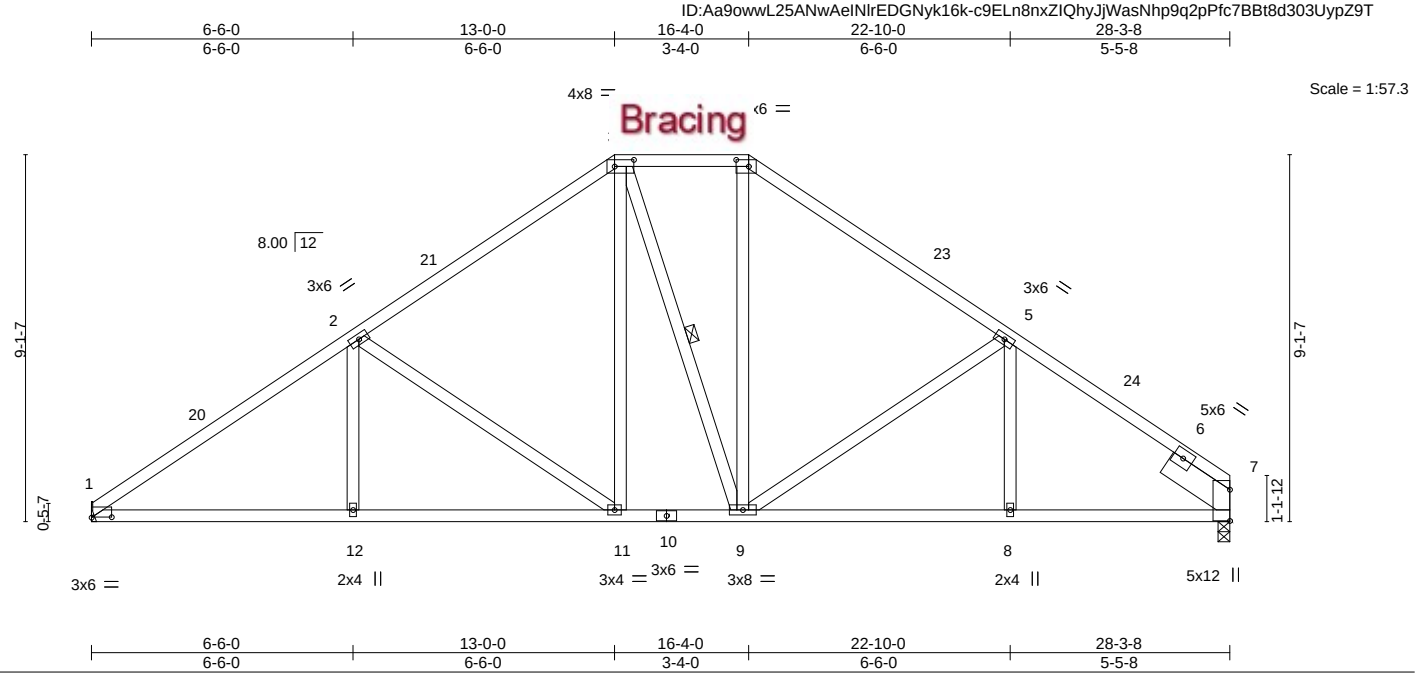


Plate Offsets (X,Y)-- [1:0-6-0,0-0-2], [3:0-5-12,0-2-0], [4:0-3-12,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.82	Vert(LL)	-0.10	8-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.96	Vert(CT)	-0.22	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.62	Horz(CT)	0.10	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 172 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3
SLIDER	Right 2x8 SP 2400F 2.0E 1-11-8

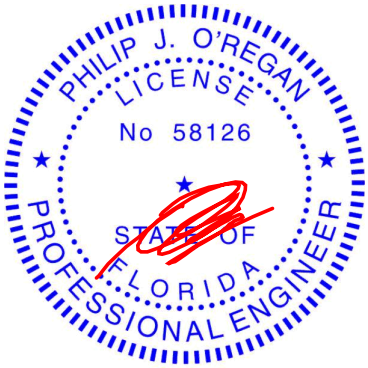
BRACING-

TOP CHORD	Structural wood sheathing directly applied or 2-4-13 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 2-2-0 oc bracing: 7-8.
WEBS	1 Row at midpt 3-9

REACTIONS. (size) 1=Mechanical, 7=0-3-8
Max Horz 1=184(LC 9)
Max Uplift 1=-201(LC 12), 7=-194(LC 13)
Max Grav 1=1047(LC 1), 7=1047(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1575/299, 2-3=-1122/255, 3-4=-841/259, 4-5=-1104/253, 5-7=-1346/264
BOT CHORD 1-12=-307/1241, 11-12=-307/1241, 9-11=-113/846, 8-9=-149/1044, 7-8=-149/1044
WEBS 2-12=0/282, 2-11=-511/236, 3-11=-97/364, 4-9=-84/325, 5-9=-305/190

NOTES- (9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 13-0-0, Exterior(2E) 13-0-0 to 16-4-0, Exterior(2R) 16-4-0 to 20-6-15, Interior(1) 20-6-15 to 28-3-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=201, 7=194.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



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August 10,2022

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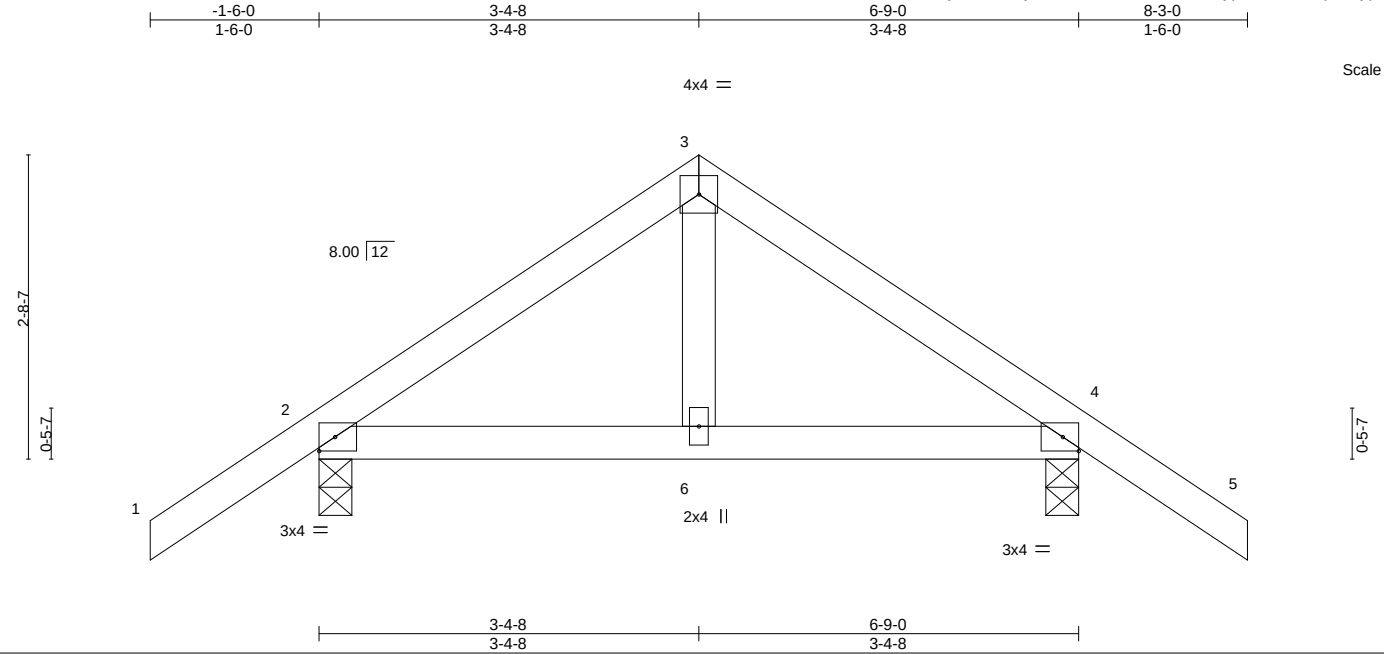
Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS REALITY - FT. WHITE SPEC T28494677
3264809	T16	Common	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Jul 18 2022 MiTek Industries, Inc. Tue Aug 9 14:01:53 2022 Page 1
ID:Aa9owwL25ANwAeINlrEDGNyk16k-4Loj?ToZKbZYaTli8auwLNNNypD9snF1NHpabxypZ9S



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	0.15	Vert(LL)	0.01	6-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.11	Vert(CT)	-0.01	6-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MP							Weight: 31 lb	FT = 20%

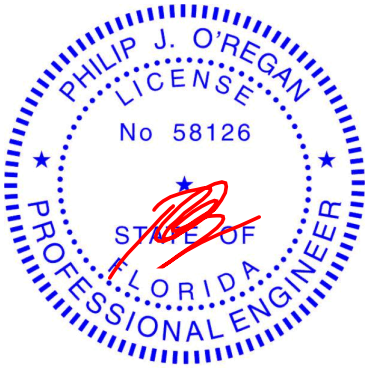
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

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

REACTIONS. (size) 2=0-3-8, 4=0-3-8
Max Horz 2=69(LC 11)
Max Uplift 2=-79(LC 12), 4=-79(LC 13)
Max Grav 2=331(LC 1), 4=331(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-249/304, 3-4=-249/304

NOTES- (7)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; 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 3-4-8, Exterior(2R) 3-4-8 to 6-9-0, Interior(1) 6-9-0 to 8-3-0 zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



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August 10,2022

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Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS REALITY - FT. WHITE SPEC T28494678
3264809	T16G	Common Supported Gable	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Jul 18 2022 MiTek Industries, Inc. Tue Aug 9 14:01:54 2022 Page 1
ID:Aa9owwL25ANwAeINlrEDGNyk16k-YXM6CppB5vhPBdtuhHP9uawYCDZKbEyAcxY78NypZ9R

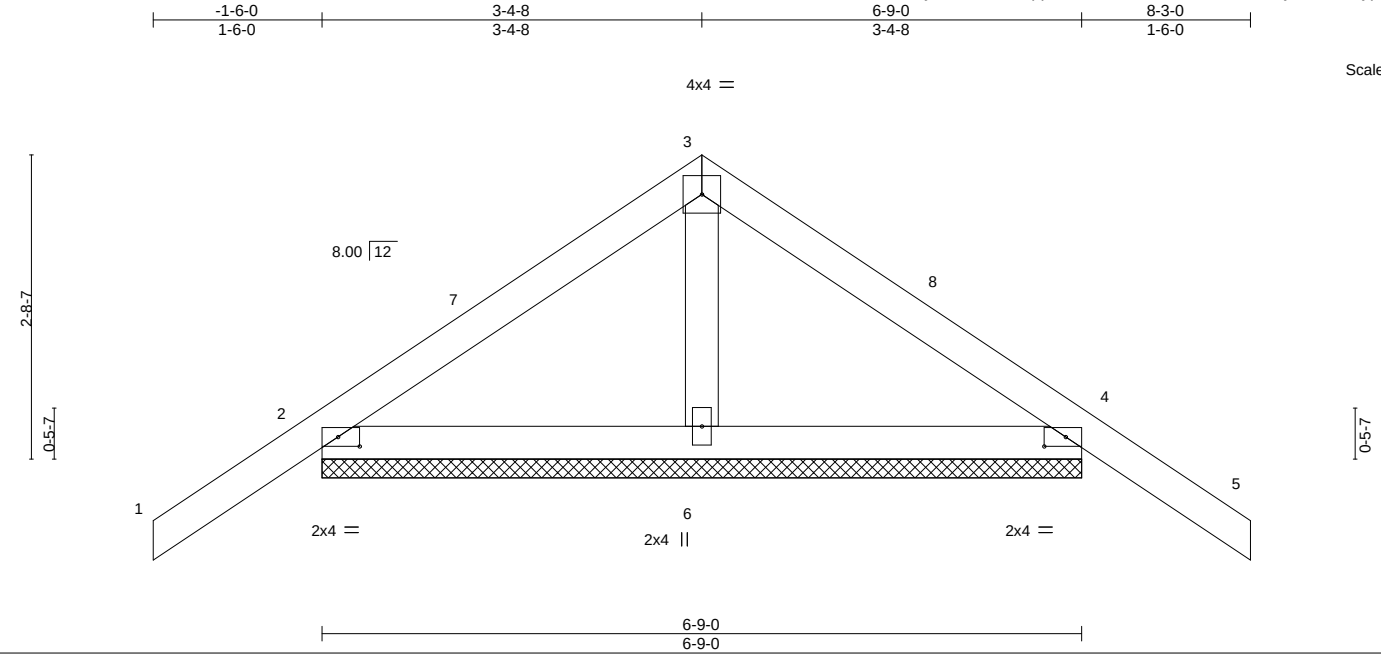


Plate Offsets (X,Y)-- [2:0-2-5,0-1-0], [4:0-2-5,0-1-0]

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	0.18	Vert(LL)	-0.00	4	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.11	Vert(CT)	-0.00	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-P							Weight: 31 lb	FT = 20%

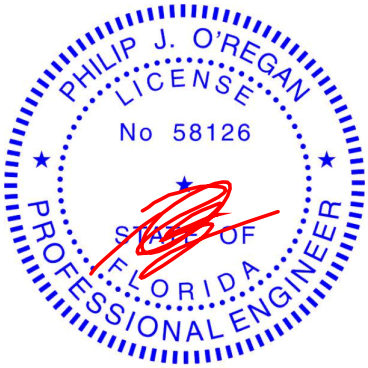
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

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

REACTIONS. (size) 2=6-9-0, 4=6-9-0, 6=6-9-0
Max Horz 2=69(LC 11)
Max Uplift 2=-78(LC 12), 4=-87(LC 13), 6=-3(LC 12)
Max Grav 2=228(LC 1), 4=228(LC 1), 6=206(LC 1)

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

NOTES- (11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; 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 3-4-8, Corner(3R) 3-4-8 to 6-4-8, Exterior(2N) 6-4-8 to 8-3-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4, 6.
10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 4.
11) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



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Date:

August 10,2022

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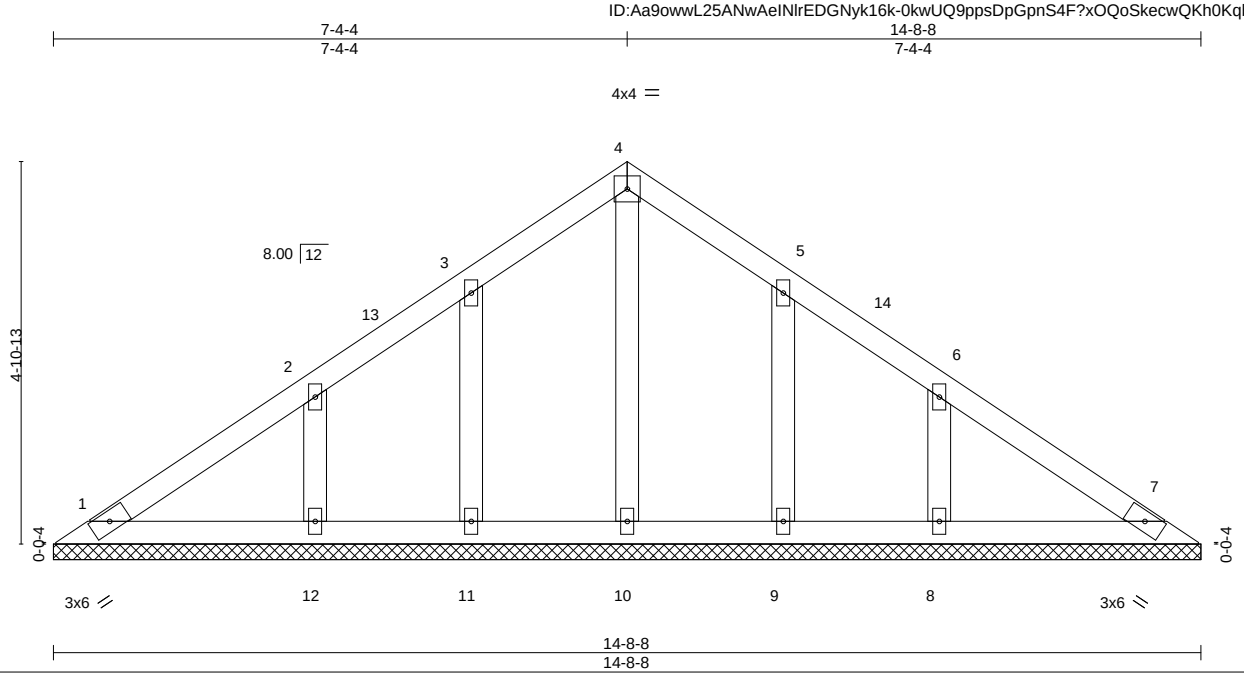
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS REALITY - FT. WHITE SPEC T28494679
3264809	V01	Valley	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Jul 18 2022 MiTek Industries, Inc. Tue Aug 9 14:01:55 2022 Page 1
ID:Aa9owwL25ANwAeINlrEDGNyk16k-0kwUQ9ppsDpGpnS4F?xOQoSkecwQKh0KqbIhgpypZ9Q



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	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.06	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 67 lb	FT = 20%

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

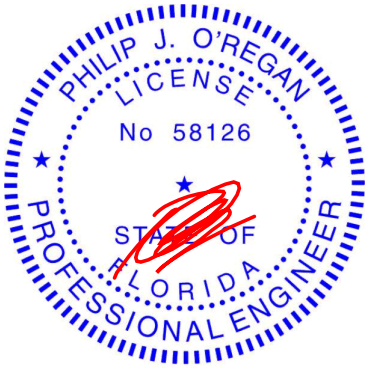
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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.

REACTIONS. All bearings 14-8-8.
(lb) - Max Horz 1=98(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 1, 7, 11, 12, 9 except 8=-100(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 7, 10, 11, 12, 9, 8

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

NOTES- (9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-5-12 to 3-4-4, Interior(1) 3-4-4 to 7-4-4, Exterior(2R) 7-4-4 to 10-4-4, Interior(1) 10-4-4 to 14-2-12 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
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) 1, 7, 11, 12, 9 except (jt=lb) 8=100.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



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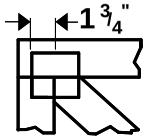
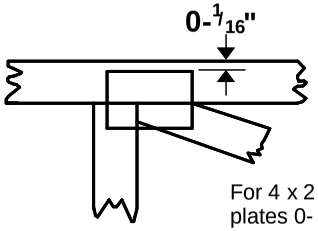
Chesterfield, MO 63017

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- 1/16" from outside edge of truss.

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

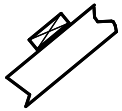
*** Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

4 x 4

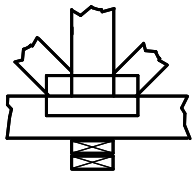
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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

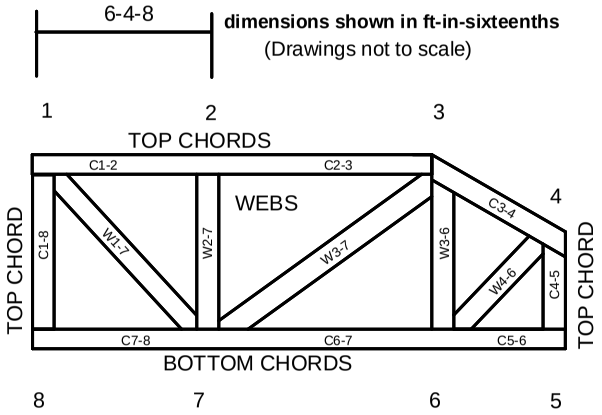


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

ESR-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/TPI 1 section 6.3 These truss designs rely on lumber values established by others.

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/TPI 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 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/TPI 1 Quality Criteria.

21.The design does not take into account any dynamic or other loads other than those expressly stated.