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

RE: 3341076 - EXCEPTIONS REALITY - 125 SW MILKWEED

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

Site Information:

Customer Info: Exceptions Reality Project Name: Spec House Model: Custom
Lot/Block: N/A Subdivision: N/A
Address: 25044 NW 140th Lane, N/A
City: Alachua Cty State: FL

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

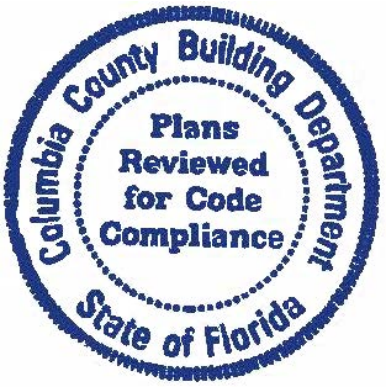
Name: License #:
Address:
City: State:

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 25 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	T29463841	CJ01	12/23/22	15	T29463855	T08	12/23/22
2	T29463842	CJ03	12/23/22	16	T29463856	T09	12/23/22
3	T29463843	CJ05	12/23/22	17	T29463857	T09A	12/23/22
4	T29463844	EJ01	12/23/22	18	T29463858	T10	12/23/22
5	T29463845	EJ01G	12/23/22	19	T29463859	T11	12/23/22
6	T29463846	HJ10	12/23/22	20	T29463860	T12	12/23/22
7	T29463847	T01	12/23/22	21	T29463861	T13	12/23/22
8	T29463848	T01G	12/23/22	22	T29463862	T14	12/23/22
9	T29463849	T02	12/23/22	23	T29463863	T15	12/23/22
10	T29463850	T03	12/23/22	24	T29463864	T16	12/23/22
11	T29463851	T04	12/23/22	25	T29463865	T17	12/23/22
12	T29463852	T05	12/23/22				
13	T29463853	T06	12/23/22				
14	T29463854	T07	12/23/22				



This item has been electronically signed and sealed by ORegan, Philip, PE using a Digital Signature.
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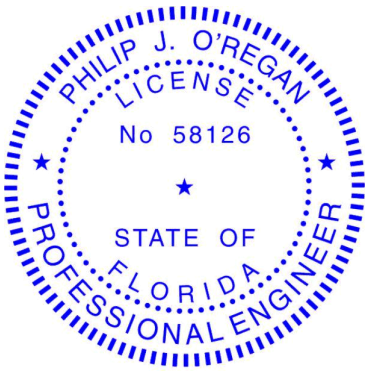
The truss drawing(s) referenced above have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Builders FirstSource-Lake City, FL.

Truss Design Engineer's Name: ORegan, Philip
My license renewal date for the state of Florida is February 28, 2023.

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.



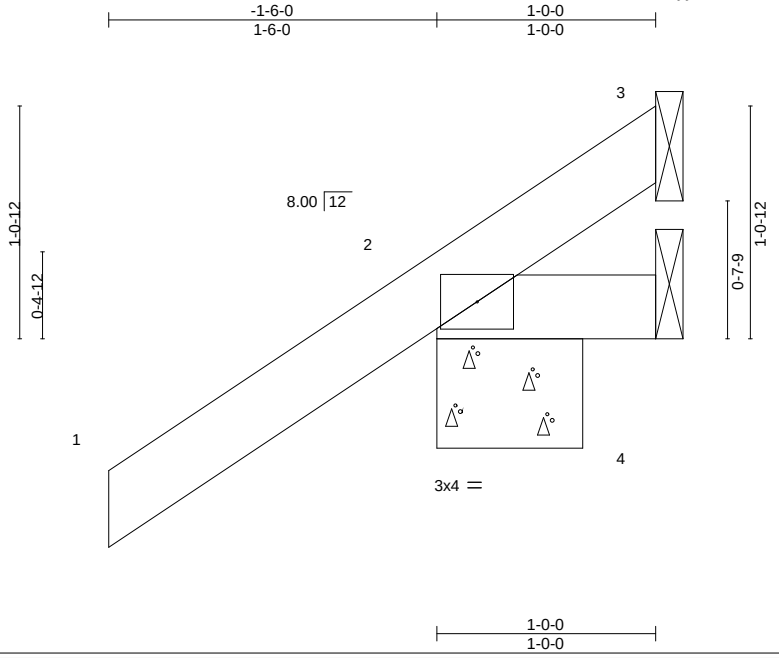
Philip J. O'Regan PE No.58126
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

December 23,2022

ORegan, Philip

Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS REALITY - 125 SW MILKWEED
3341076	CJ01	Jack-Open	10	1	T29463841
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 11 2022 MiTek Industries, Inc. Thu Dec 22 11:52:40 2022 Page 1
ID:krMvx1mH9U?wf6?cKU0X49yy8lb-JwhWHwl_LiOOxZo9?H8nlAlbtihEVet8N8fQiFy6QKL



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)	0.00	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=0-8-0, 4=Mechanical
Max Horz 2=52(LC 12)
Max Uplift 3=-5(LC 1), 2=-69(LC 12), 4=-20(LC 1)
Max Grav 3=7(LC 8), 2=179(LC 1), 4=21(LC 16)

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

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 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.

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

December 23,2022

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS REALITY - 125 SW MILKWEED
3341076	CJ03	Jack-Open	10	1	T29463842
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 11 2022 MiTek Industries, Inc. Thu Dec 22 11:52:41 2022 Page 1
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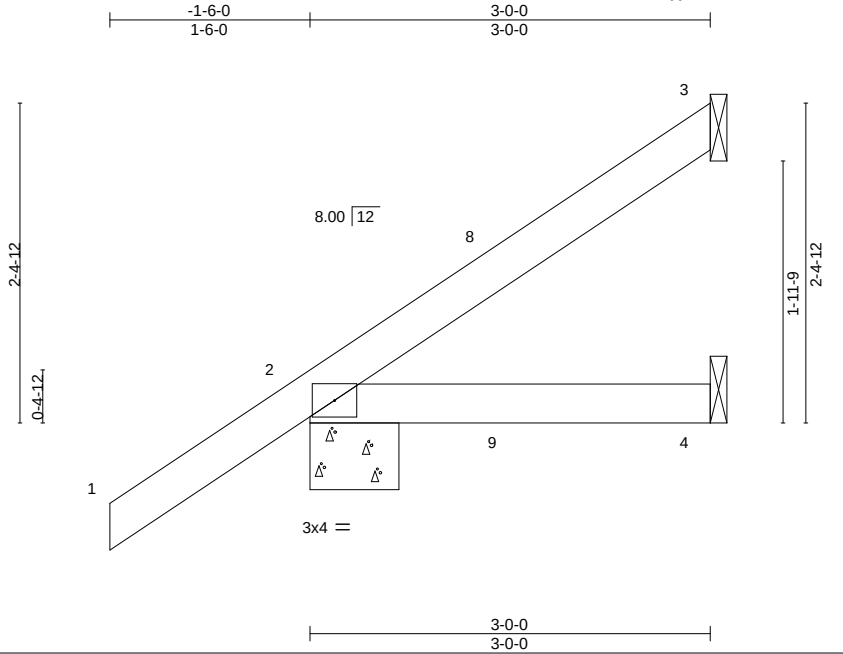

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.16	Vert(LL)	0.01	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.10	Vert(CT)	-0.01	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		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=0-8-0, 4=Mechanical
Max Horz 2=97(LC 12)
Max Uplift 3=-44(LC 12), 2=-49(LC 12), 4=-16(LC 9)
Max Grav 3=62(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-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 2-11-4 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.

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

December 23,2022

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS REALITY - 125 SW MILKWEED
3341076	CJ05	Jack-Open	10	1	T29463843
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 11 2022 MiTek Industries, Inc. Thu Dec 22 11:52:42 2022 Page 1
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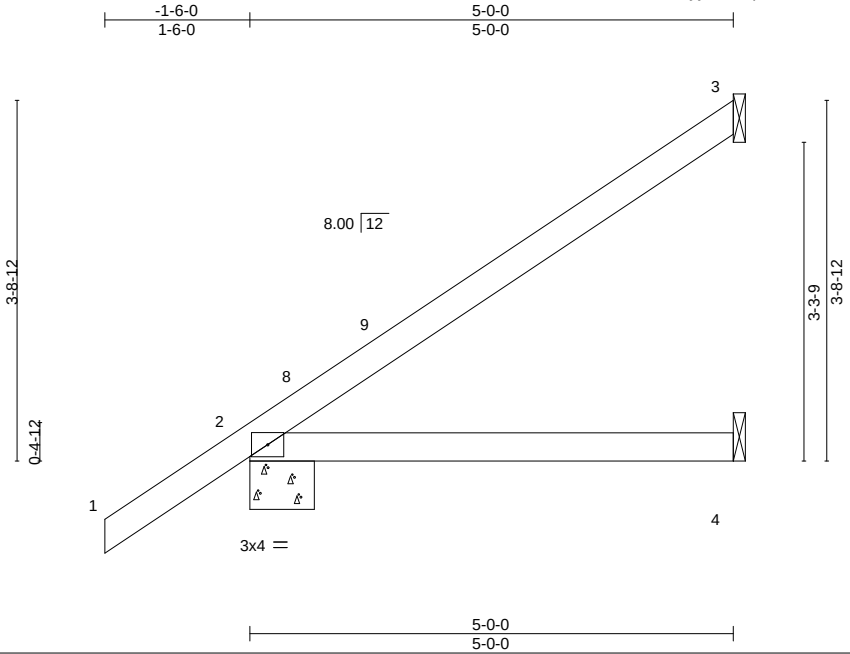

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.28	Vert(LL)	0.03	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.24	Vert(CT)	-0.06	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 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=0-8-0, 4=Mechanical
Max Horz 2=143(LC 12)
Max Uplift 3=-81(LC 12), 2=-49(LC 12), 4=-1(LC 12)
Max Grav 3=120(LC 19), 2=276(LC 1), 4=89(LC 3)

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

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 4-11-4 zone; porch 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.

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MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

December 23,2022

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS REALITY - 125 SW MILKWEED
3341076	EJ01	JACK-PARTIAL	23	1	T29463844 Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 11 2022 MiTek Industries, Inc. Thu Dec 22 11:52:43 2022 Page 1
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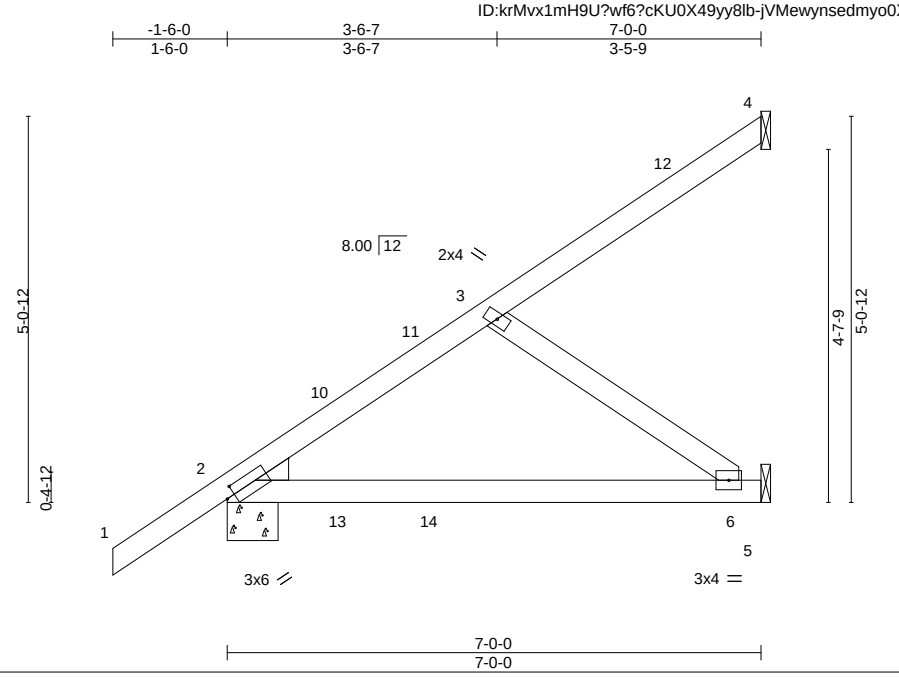

Plate Offsets (X,Y)-- [2:0-1-5,0-1-8]

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	0.35	Vert(LL)	0.17	6-9	>479	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.48	Vert(CT)	-0.16	6-9	>529	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	-0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 32 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
WEDGE
Left: 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 9-8-5 oc bracing.

REACTIONS. (size) 4=Mechanical, 2=0-8-0, 5=Mechanical
Max Horz 2=182(LC 12)
Max Uplift 4=-48(LC 12), 2=-55(LC 12), 5=-79(LC 9)
Max Grav 4=80(LC 19), 2=346(LC 1), 5=176(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-6=-218/282

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 6-11-4 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) 4, 2, 5.

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MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

December 23,2022

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS REALITY - 125 SW MILKWEED
3341076	EJ01G	Monopitch Supported Gable	1	1	T29463845 Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 11 2022 MiTek Industries, Inc. Thu Dec 22 11:52:45 2022 Page 1
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1-6-0 6-8-0 2-9-12

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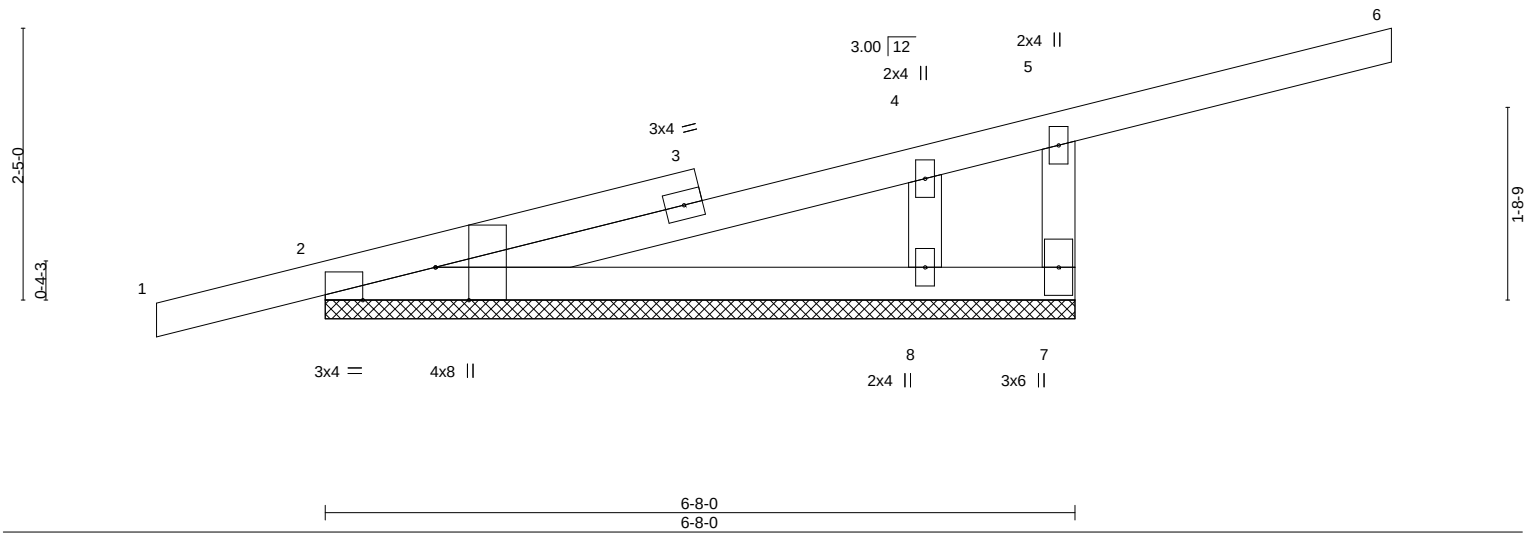

6-8-0
6-8-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.67	Vert(LL)	0.04	6	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.24	Vert(CT)	-0.01	6	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00		n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-P							Weight: 33 lb	FT = 20%

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

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

REACTIONS. (size) 2=6-8-0, 7=6-8-0, 8=6-8-0
Max Horz 2=84(LC 8)
Max Uplift 2=-105(LC 8), 7=-190(LC 9), 8=-1(LC 12)
Max Grav 2=265(LC 1), 7=292(LC 1), 8=262(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 5-7=-330/564

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Corner(3E) -1-6-0 to 1-6-0, Exterior(2N) 1-6-0 to 9-5-12 zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8 except (jt=lb) 2=105, 7=190.

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MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

December 23,2022

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS REALITY - 125 SW MILKWEED
3341076	HJ10	Diagonal Hip Girder	5	1	T29463846
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 11 2022 MiTek Industries, Inc. Thu Dec 22 11:52:46 2022 Page 1
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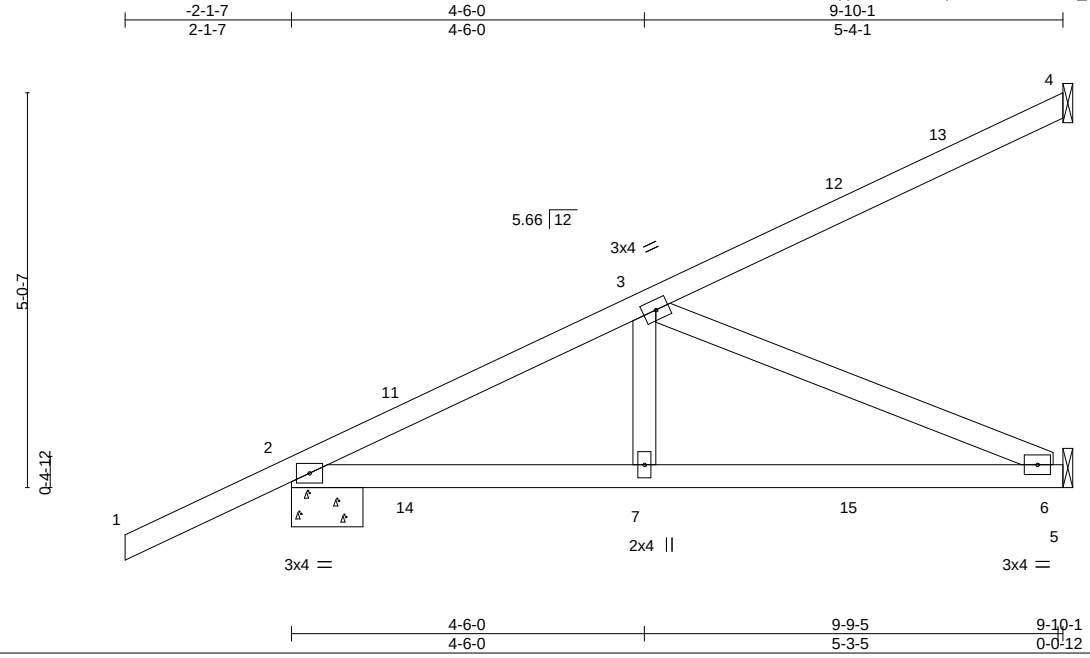

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.57	Vert(LL)	-0.04	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.53	Vert(CT)	-0.09	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.38	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	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 10-0-0 oc bracing.

REACTIONS. (size) 4=Mechanical, 2=0-10-15, 6=Mechanical
Max Horz 2=182(LC 26)
Max Uplift 4=-93(LC 8), 2=-221(LC 4), 6=-165(LC 5)
Max Grav 4=147(LC 1), 2=524(LC 1), 6=304(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-639/290
BOT CHORD 2-7=-342/545, 6-7=-342/545
WEBS 3-7=-55/270, 3-6=-592/372

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; 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) N/A
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
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) 4 except (jt=lb) 2=221, 6=165.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 62 lb down and 73 lb up at 1-6-1, 62 lb down and 73 lb up at 1-6-1, 76 lb down and 46 lb up at 4-4-0, 76 lb down and 46 lb up at 4-4-0, and 109 lb down and 92 lb up at 7-1-15, and 109 lb down and 92 lb up at 7-1-15 on top chord, and 44 lb down and 45 lb up at 1-6-1, 44 lb down and 45 lb up at 1-6-1, 19 lb down and 24 lb up at 4-4-0, 19 lb down and 24 lb up at 4-4-0, and 70 lb down and 16 lb up at 7-1-15, and 70 lb down and 16 lb up at 7-1-15 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 5-8=-20
Concentrated Loads (lb)
Vert: 7=-4(F=-2, B=-2) 12=-73(F=-36, B=-36) 15=-59(F=-29, B=-29)

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

December 23,2022

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS REALITY - 125 SW MILKWEED
3341076	T01	Common	5	1	T29463847
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 11 2022 MiTek Industries, Inc. Thu Dec 22 11:52:48 2022 Page 1
ID:krMvx1mH9U?wf6?cKU0X49yy8lb-4TAXzfr?T9OFunPhTzHf4sewQwJXNBEJCObr?oy6QKD

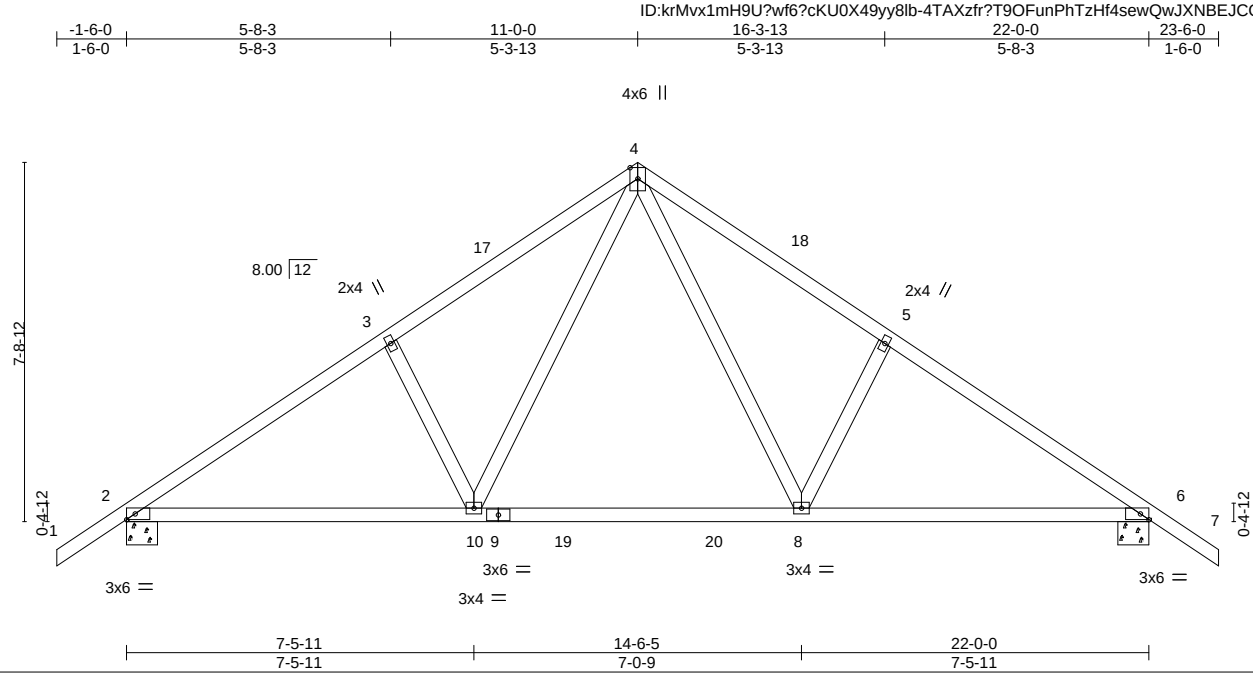

Plate Offsets (X,Y)-- [6:0-2-3,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.34	Vert(LL)	-0.16	8-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.41	Vert(CT)	-0.28	8-10	>929	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.30	Horz(CT)	0.03	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 113 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP M 31
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-4-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-8-0, 6=0-8-0
Max Horz 2=184(LC 11)
Max Uplift 2=-251(LC 12), 6=-251(LC 13)
Max Grav 2=1214(LC 19), 6=1214(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1688/336, 3-4=-1598/388, 4-5=-1599/388, 5-6=-1689/336
BOT CHORD 2-10=-298/1472, 8-10=-112/975, 6-8=-197/1360
WEBS 4-8=-229/869, 5-8=-283/201, 4-10=-229/868, 3-10=-283/201

NOTES-
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=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 11-0-0, Exterior(2R) 11-0-0 to 14-0-0, Interior(1) 14-0-0 to 23-6-0 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=251, 6=251.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

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

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

December 23,2022

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS REALITY - 125 SW MILKWEED
3341076	T01G	Common Supported Gable	1	1	T29463848 Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 11 2022 MiTek Industries, Inc. Thu Dec 22 11:52:49 2022 Page 1
ID:krMvx1mH9U?wf6?cKU0X49yy8lb-YfkvA?sdETW6Wx_u1gouc4A8UKlE6hBSR2KOXEy6QKC

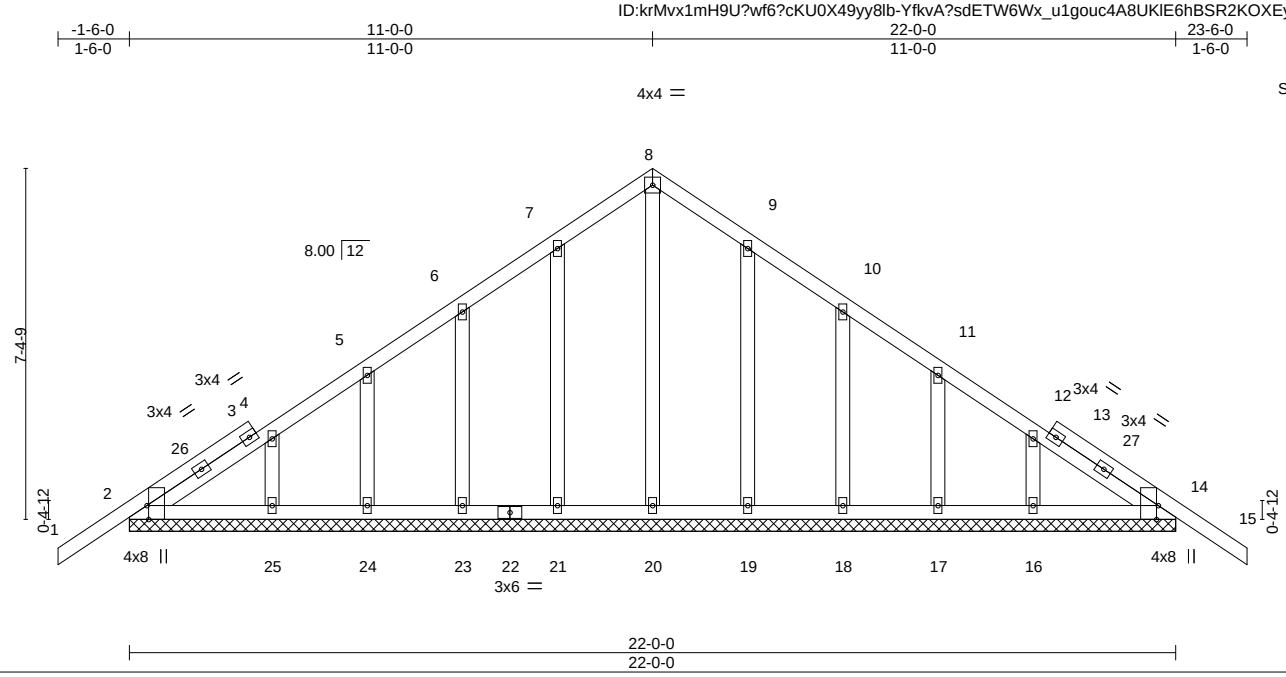

Plate Offsets (X,Y)-- [2:0-3-8,Edge], [14:0-3-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.13	Vert(LL)	-0.01	15	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.06	Vert(CT)	-0.01	15	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.12	Horz(CT)	0.00	14	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 137 lb	FT = 20%

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

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

REACTIONS. All bearings 22-0-0.
(lb) - Max Horz 2=-176(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 14, 21, 23, 24, 25, 19, 18, 17, 16
Max Grav All reactions 250 lb or less at joint(s) 2, 14, 20, 21, 23, 24, 25, 19, 18, 17, 16

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

NOTES-
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=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Corner(3E) -1-6-0 to 1-6-0, Exterior(2N) 1-6-0 to 11-0-0, Corner(3R) 11-0-0 to 14-0-0, Exterior(2N) 14-0-0 to 23-6-0 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) 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.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 14, 21, 23, 24, 25, 19, 18, 17, 16.
11) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2.

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MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

December 23,2022

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS REALITY - 125 SW MILKWEED
3341076	T02	Common	4	1	T29463849
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 11 2022 MiTek Industries, Inc. Thu Dec 22 11:52:51 2022 Page 1
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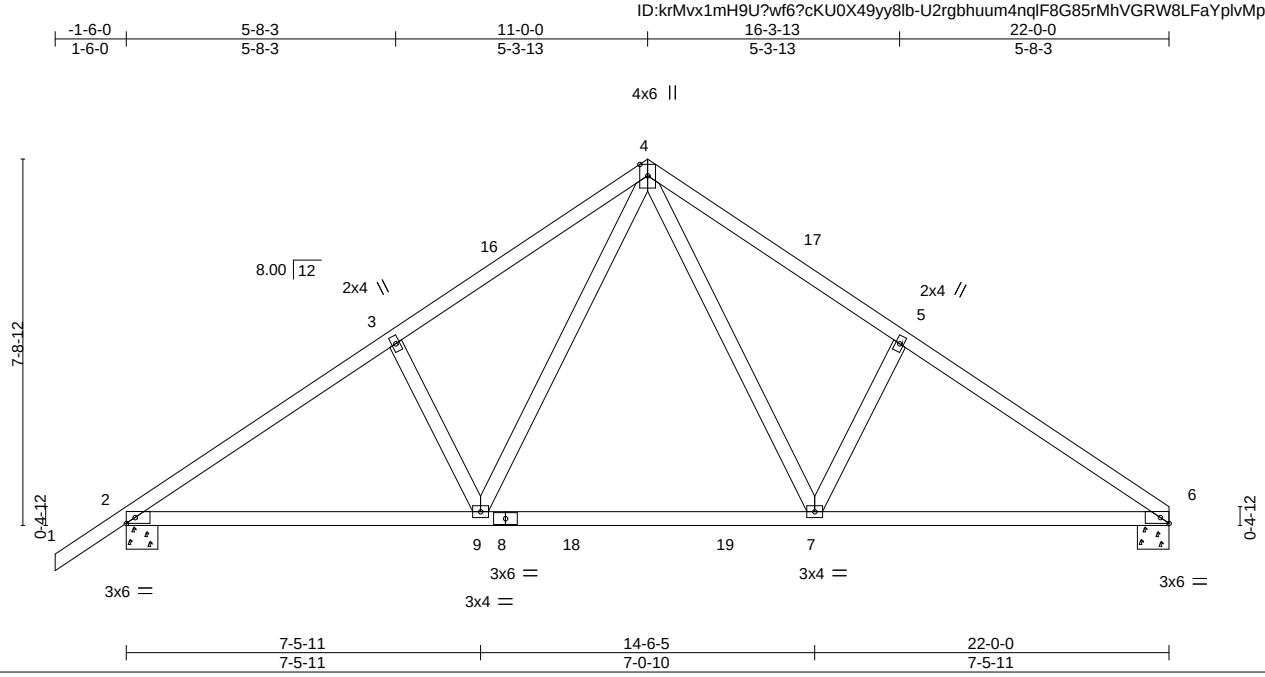

Plate Offsets (X,Y)-- [6:0-2-3,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.35	Vert(LL)	-0.15	7-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.41	Vert(CT)	-0.28	7-9	>938	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.31	Horz(CT)	0.03	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 111 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP M 31
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-4-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 6=0-8-0, 2=0-8-0
Max Horz 2=176(LC 9)
Max Uplift 6=-217(LC 13), 2=-251(LC 12)
Max Grav 6=1137(LC 20), 2=1216(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1691/337, 3-4=-1601/389, 4-5=-1612/396, 5-6=-1701/344
BOT CHORD 2-9=-314/1463, 7-9=-128/967, 6-7=-219/1356
WEBS 4-7=-237/882, 5-7=-289/205, 4-9=-228/867, 3-9=-283/201

NOTES-
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=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 11-0-0, Exterior(2R) 11-0-0 to 14-0-0, Interior(1) 14-0-0 to 22-0-0 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) 6=217, 2=251.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-6=-54, 9-13=-20, 7-9=-80(F=-60), 7-10=-20

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MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

December 23,2022

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS REALITY - 125 SW MILKWEED
3341076	T03	Common	2	1	T29463850 Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 11 2022 MiTek Industries, Inc. Thu Dec 22 11:52:52 2022 Page 1
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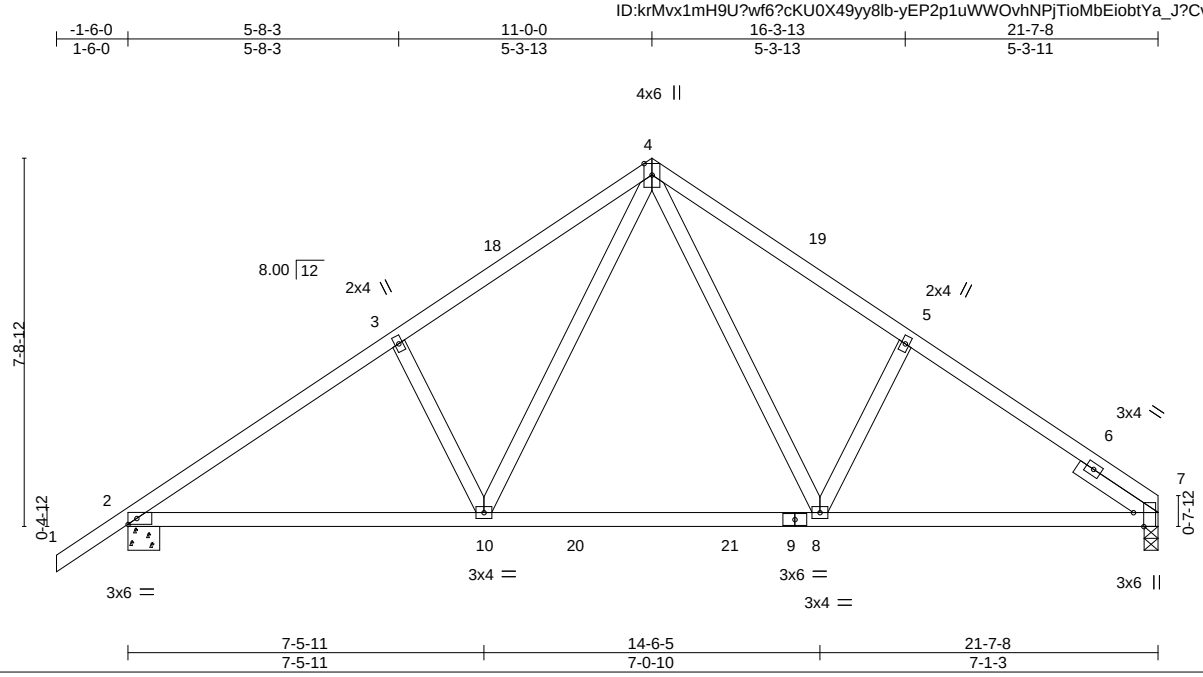

Plate Offsets (X,Y)-- [7:0-3-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.44	Vert(LL)	-0.17	8-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.89	Vert(CT)	-0.31	8-10	>846	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.30	Horz(CT)	0.03	7	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS							Weight: 112 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
2-9: 2x4 SP M 31
WEBS 2x4 SP No.3
SLIDER Right 2x4 SP No.3 1-11-8

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) 7=0-3-8, 2=0-8-0
Max Horz 2=176(LC 9)
Max Uplift 7=-214(LC 13), 2=-248(LC 12)
Max Grav 7=1124(LC 20), 2=1198(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1662/332, 3-4=-1572/384, 4-5=-1513/378, 5-7=-1575/327
BOT CHORD 2-10=-314/1437, 8-10=-128/935, 7-8=-207/1257
WEBS 3-10=-280/201, 4-10=-230/883, 4-8=-218/776

NOTES-
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=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 11-0-0, Exterior(2R) 11-0-0 to 14-0-0, Interior(1) 14-0-0 to 21-7-8 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, 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) 7=214, 2=248.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-7=-54, 10-15=-20, 8-10=-80(F=-60), 8-11=-20

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MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

December 23,2022

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS REALITY - 125 SW MILKWEED
3341076	T04	Hip Girder	1	1	T29463851
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 11 2022 MiTek Industries, Inc. Thu Dec 22 11:52:55 2022 Page 1
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-1-6-0	3-11-4	7-0-0	11-1-7	15-10-0	20-6-10	24-8-0	27-8-12	31-8-0	33-2-0
1-6-0	3-11-4	3-0-12	4-1-6	4-8-10	4-8-9	4-1-6	3-0-12	3-11-4	1-6-0

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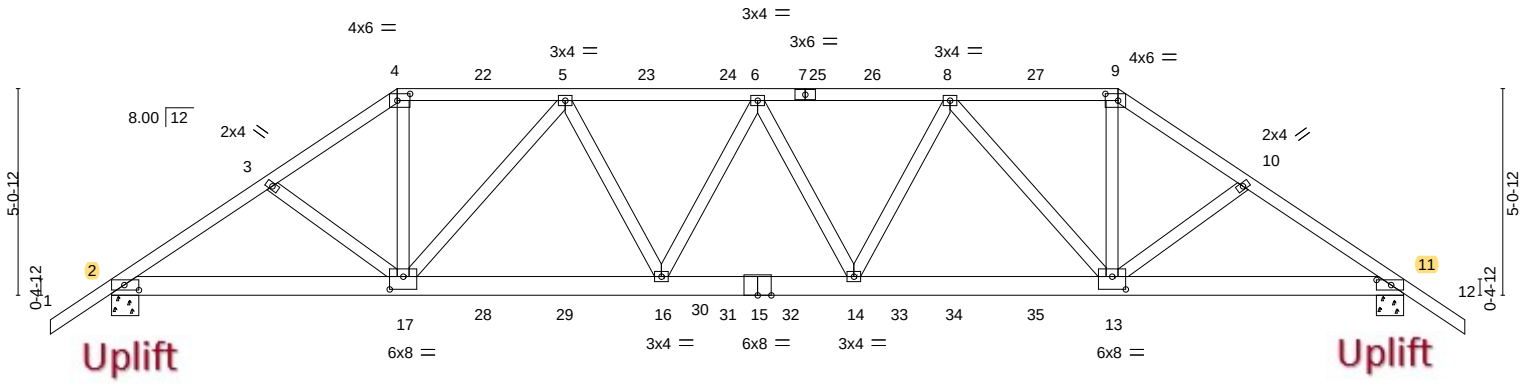

7-0-0	13-5-11	18-2-5	24-8-0	31-8-0
7-0-0	6-5-11	4-8-10	6-5-11	7-0-0

Plate Offsets (X,Y)-- [2:0-4-5,0-1-8], [4:0-3-12,0-2-0], [9:0-3-12,0-2-0], [11:0-4-5,0-1-8], [13:0-4-0,0-3-12], [17:0-4-0,0-3-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.50	Vert(LL)	0.27	16-17	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.98	Vert(CT)	-0.41	13-14	>917	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.98	Horz(CT)	0.12	11	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS							Weight: 202 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 2-6-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-2-5 oc bracing.

REACTIONS. (size) 2=0-8-0, 11=0-8-0
Max Horz 2=-125(LC 6)
Max Uplift 2=-1036(LC 8), 11=-1063(LC 9)
Max Grav 2=2413(LC 1), 11=2453(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3953/1762, 3-4=-3799/1741, 4-5=-3181/1502, 5-6=-4414/2038, 6-8=-4430/2037, 8-9=-3239/1541, 9-10=-3869/1789, 10-11=-4023/1810
BOT CHORD 2-17=-1458/3241, 16-17=-1836/4045, 14-16=-2035/4499, 13-14=-1828/4076, 11-13=-1414/3300
WEBS 4-17=-846/1881, 5-17=-1373/683, 5-16=-392/850, 8-14=-358/808, 8-13=-1325/640, 9-13=-816/1850

NOTES-
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=20ft; 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=1036, 11=1063.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 70 lb down and 51 lb up at 7-0-0, 70 lb down and 49 lb up at 9-0-12, 70 lb down and 49 lb up at 11-0-12, 70 lb down and 49 lb up at 13-0-12, 70 lb down and 47 lb up at 15-0-12, 70 lb down and 47 lb up at 16-7-4, 70 lb down and 49 lb up at 18-7-4, 70 lb down and 49 lb up at 20-7-4, and 70 lb down and 49 lb up at 22-7-4, and 175 lb down and 155 lb up at 24-8-0 on top chord, and 431 lb down and 292 lb up at 7-0-0, 156 lb down and 99 lb up at 9-0-12, 156 lb down and 99 lb up at 11-0-12, 156 lb down and 99 lb up at 13-0-12, 156 lb down and 99 lb up at 15-0-12, 156 lb down and 99 lb up at 16-7-4, 156 lb down and 99 lb up at 18-7-4, 156 lb down and 99 lb up at 20-7-4, and 156 lb down and 99 lb up at 22-7-4, and 431 lb down and 292 lb up at 24-7-4 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).

LOAD CASE(S) Standard

Continued on page 2

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

December 23,2022

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

LOAD CASE(S) Standard

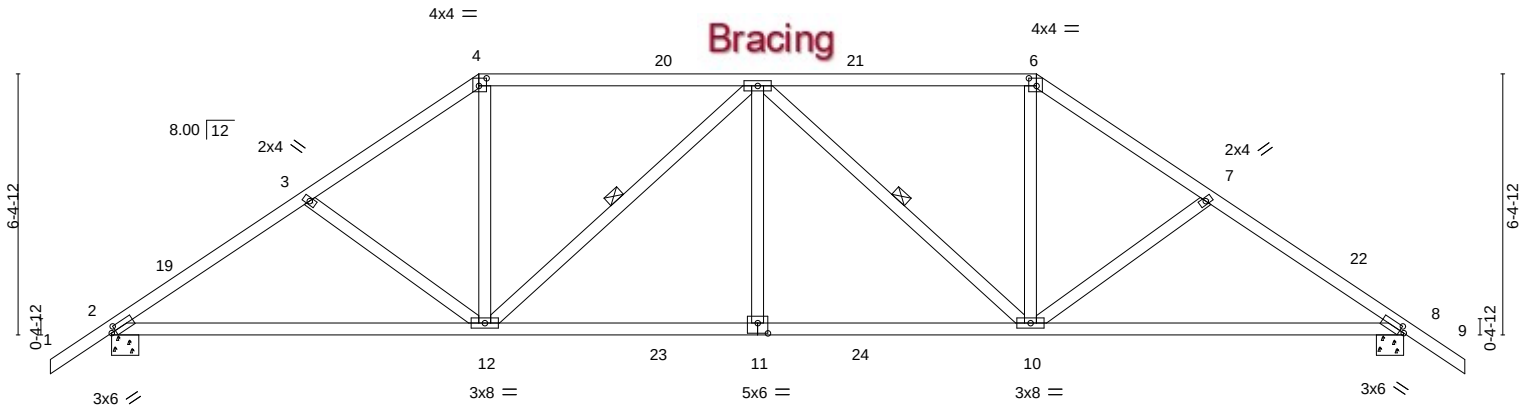
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-54, 4-9=-54, 9-12=-54, 2-11=-20
   Concentrated Loads (lb)
   Vert: 4=-18(B) 9=-89(B) 17=-431(B) 5=-18(B) 8=-18(B) 13=-431(B) 22=-18(B) 23=-18(B) 24=-18(B) 25=-18(B) 26=-18(B) 27=-18(B) 28=-156(B) 29=-156(B) 30=-156(B) 31=-156(B) 32=-156(B) 33=-156(B) 34=-156(B) 35=-156(B)

Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS REALITY - 125 SW MILKWEED
3341076	T05	Hip	1	1	T29463852
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 11 2022 MiTek Industries, Inc. Thu Dec 22 11:52:57 2022 Page 1
ID:krMvx1mH9U?wf6?cKU0X49yy8lb-JCDxskyeLwXzTAcQVMxmxmVPFZIg_GleHIGppmy6QK4

-1-6-0	4-10-4	9-0-0	15-10-0	22-8-0	26-9-12	31-8-0	33-2-0
1-6-0	4-10-4	4-1-12	6-10-0	6-10-0	4-1-12	4-10-4	1-6-0

Scale = 1:56.5



9-0-0	15-10-0	22-8-0	31-8-0
9-0-0	6-10-0	6-10-0	9-0-0

Plate Offsets (X,Y)-- [2:0-1-5,0-1-8], [4:0-2-4,0-2-4], [6:0-2-4,0-2-4], [8:0-1-5,0-1-8], [11:0-3-0,0-3-0]

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	0.53	Vert(LL)	-0.15	12-15	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.79	Vert(CT)	-0.31	12-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.28	Horz(CT)	0.08	8	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS							Weight: 173 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 3-10-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 5-12, 5-10

REACTIONS. (size) 2=0-8-0, 8=0-8-0
Max Horz 2=-155(LC 10)
Max Uplift 2=-282(LC 12), 8=-282(LC 13)
Max Grav 2=1354(LC 2), 8=1354(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1918/392, 3-4=-1749/357, 4-5=-1422/337, 5-6=-1422/337, 6-7=-1749/357, 7-8=-1918/392
BOT CHORD 2-12=-334/1577, 11-12=-289/1756, 10-11=-289/1756, 8-10=-229/1577
WEBS 3-12=-283/161, 4-12=-94/730, 5-12=-510/192, 5-11=0/315, 5-10=-510/192, 6-10=-94/730, 7-10=-283/162

NOTES-
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=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-8-0, Interior(1) 1-8-0 to 9-0-0, Exterior(2R) 9-0-0 to 13-5-12, Interior(1) 13-5-12 to 22-8-0, Exterior(2R) 22-8-0 to 26-11-4, Interior(1) 26-11-4 to 33-2-0 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) 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) 2=282, 8=282.

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

December 23,2022

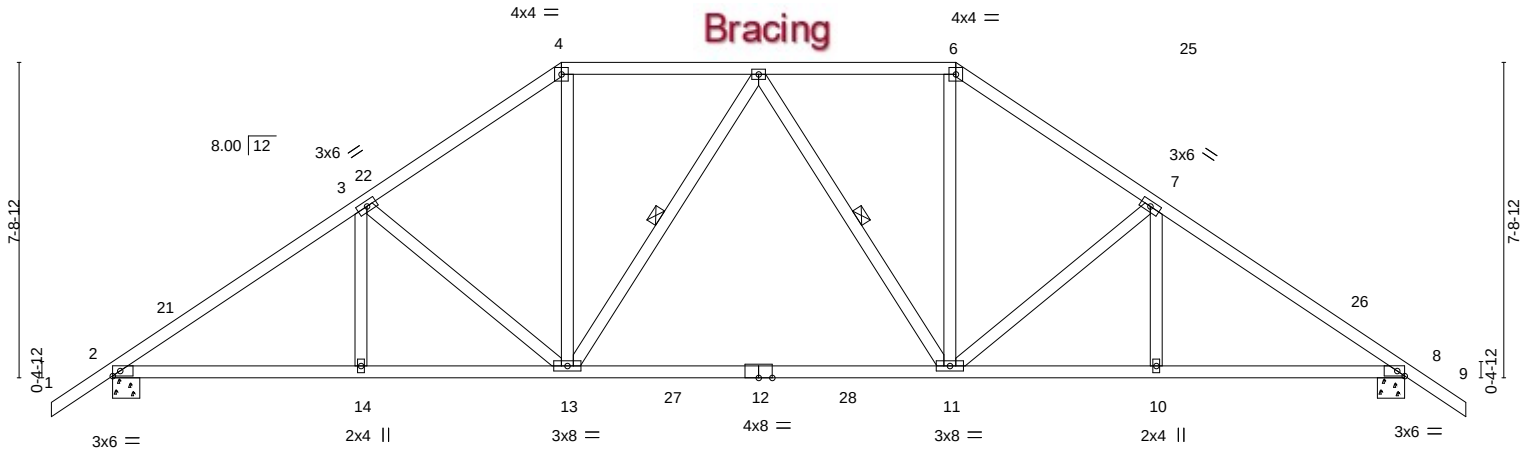
MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS REALITY - 125 SW MILKWEED
3341076	T06	Hip	1	1	T29463853
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 11 2022 MiTek Industries, Inc. Thu Dec 22 11:52:59 2022 Page 1
ID:krMvx1mH9U?wf6?cKU0X49yy8lb-FaKhHQ_vtYnhjUlpcn_E0Bbp5Mx9S91xkblwtfy6QK2

-1-6-0	6-1-1	11-0-0	15-10-0	20-8-0	25-6-15	31-8-0	33-2-0
1-6-0	6-1-1	4-10-15	4-10-0	4-10-0	4-10-15	6-1-1	1-6-0

Scale = 1:56.5



6-1-1	11-0-0	20-8-0	25-6-15	31-8-0
6-1-1	4-10-15	9-8-0	4-10-15	6-1-1

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.31	Vert(LL)	-0.33	11-13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.98	Vert(CT)	-0.55	11-13	>688	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.36	Horz(CT)	0.07	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 183 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 3-11-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
2-2-0 oc bracing: 11-13.
WEBS 1 Row at midpt 5-13, 5-11

REACTIONS. (size) 2=0-8-0, 8=0-8-0
Max Horz 2=-184(LC 10)
Max Uplift 2=-277(LC 12), 8=-277(LC 13)
Max Grav 2=1349(LC 2), 8=1349(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1941/367, 3-4=-1614/340, 4-5=-1295/323, 5-6=-1295/323, 6-7=-1614/340, 7-8=-1941/367
BOT CHORD 2-14=-318/1599, 13-14=-318/1599, 11-13=-180/1369, 10-11=-194/1563, 8-10=-194/1563
WEBS 3-13=-444/201, 4-13=-107/675, 5-13=-265/161, 5-11=-265/161, 6-11=-107/675, 7-11=-444/201

NOTES-
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=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-8-0, Interior(1) 1-8-0 to 11-0-0, Exterior(2R) 11-0-0 to 15-5-12, Interior(1) 15-5-12 to 20-8-0, Exterior(2R) 20-8-0 to 25-1-12, Interior(1) 25-1-12 to 33-2-0 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) 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) 2=277, 8=277.

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

December 23,2022

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS REALITY - 125 SW MILKWEED
3341076	T07	Hip	1	1	T29463854
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 11 2022 MiTek Industries, Inc. Thu Dec 22 11:53:00 2022 Page 1
ID:krMvx1mH9U?wf6?cKU0X49yy8lb-jmu4Um?XervYKdK?AUVTZO7xhmJ8BWH4zFVTQ5y6QK1

-1-6-0 | 6-5-0 | 13-0-0 | 18-8-0 | 24-8-0 | 28-2-4 | 32-5-4 | 37-8-0 | 39-2-0
1-6-0 | 6-5-0 | 6-7-0 | 5-8-0 | 6-0-0 | 3-6-4 | 4-3-0 | 5-2-12 | 1-6-0

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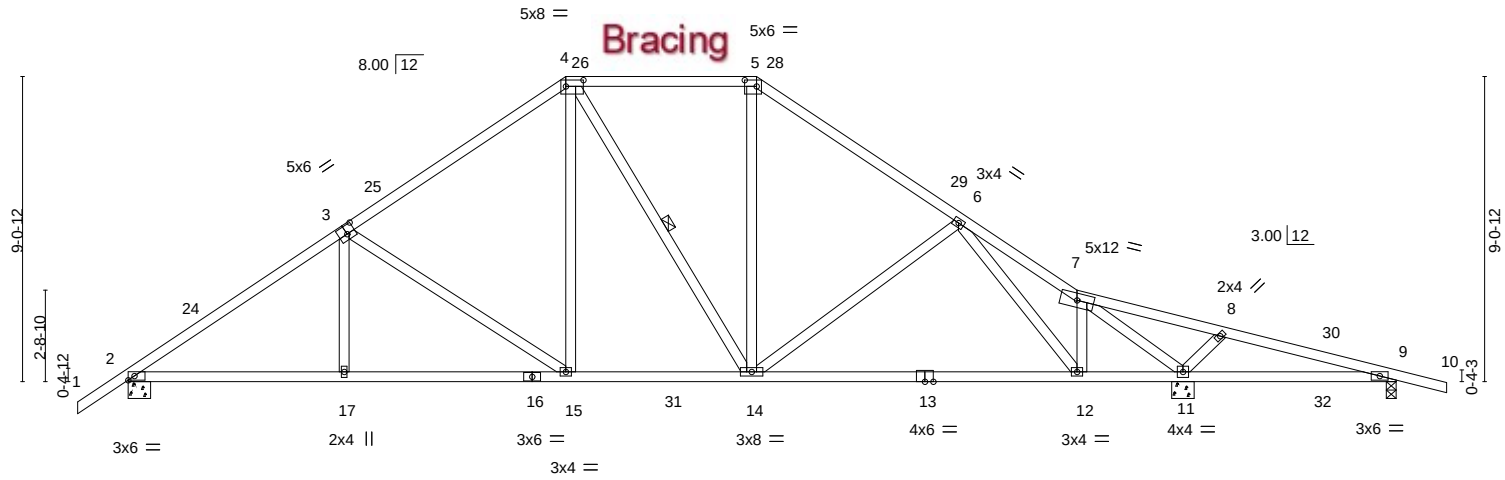

6-5-0 | 13-0-0 | 18-8-0 | 28-2-4 | 31-4-0 | 37-8-0
6-5-0 | 6-7-0 | 5-8-0 | 9-6-4 | 3-1-12 | 6-4-0

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

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	0.45	Vert(LL)	-0.22	12-14	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.80	Vert(CT)	-0.46	12-14	>820	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.74	Horz(CT)	0.06	11	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 213 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 4-1-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 4-14

REACTIONS. (size) 2=0-8-0, 11=0-8-0, 9=0-3-8
Max Horz 2=-212(LC 10)
Max Uplift 2=-265(LC 12), 11=-347(LC 13), 9=-164(LC 9)
Max Grav 2=1304(LC 19), 11=1747(LC 2), 9=159(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1849/500, 3-4=-1360/454, 4-5=-1043/433, 5-6=-1325/446, 6-7=-1280/313, 7-8=-144/747, 8-9=-82/587
BOT CHORD 2-17=-345/1602, 15-17=-345/1602, 14-15=-142/1099, 12-14=-246/1173, 11-12=-140/1089, 9-11=-515/96
WEBS 3-17=0/286, 3-15=-610/244, 4-15=-100/538, 5-14=-86/482, 7-12=-31/413, 7-11=-2265/446, 8-11=-351/213

NOTES-
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=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 2-3-3, Interior(1) 2-3-3 to 13-0-0, Exterior(2R) 13-0-0 to 18-3-15, Interior(1) 18-3-15 to 18-8-0, Exterior(2R) 18-8-0 to 23-11-15, Interior(1) 23-11-15 to 39-2-0 zone; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 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) 2=265, 11=347, 9=164.

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

December 23,2022

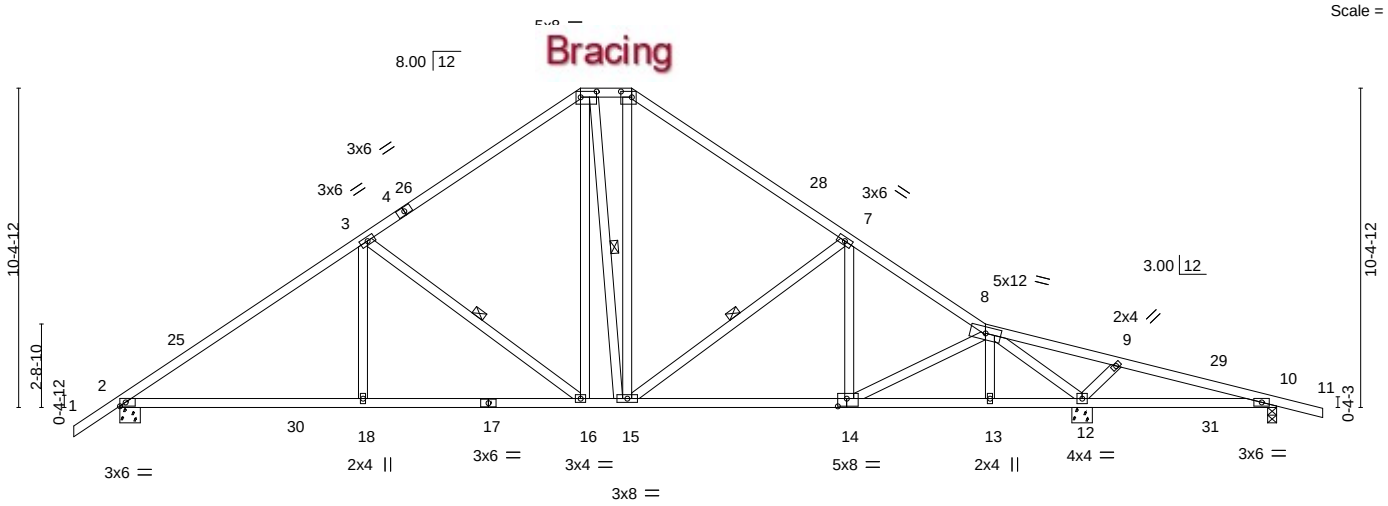
MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS REALITY - 125 SW MILKWEED
3341076	T08	Hip	1	1	T29463855
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 11 2022 MiTek Industries, Inc. Thu Dec 22 11:53:02 2022 Page 1
ID:krMvx1mH9U?wf6?cKU0X49yy8lb-g90qvR0nAT9GaxUOlvXxepDFSa?AfQ_NRZ_aU_y6QK?

1-6-0 | 7-11-0 | 15-0-0 | 16-8-0 | 23-9-0 | 28-2-4 | 32-5-4 | 37-8-0 | 39-2-0
1-6-0 | 7-11-0 | 7-1-0 | 1-8-0 | 7-1-0 | 4-5-4 | 4-3-0 | 5-2-12 | 1-6-0

Scale = 1:75.0



7-11-0 | 15-0-0 | 16-8-0 | 23-9-0 | 28-2-4 | 31-4-0 | 37-8-0
7-11-0 | 7-1-0 | 1-8-0 | 7-1-0 | 4-5-4 | 3-1-12 | 6-4-0

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

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	0.63	Vert(LL)	-0.14	18-21	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.77	Vert(CT)	-0.26	18-21	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.66	Horz(CT)	0.06	12	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS							Weight: 229 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 3-8-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 10-12.
WEBS 1 Row at midpt 3-16, 5-15, 7-15

REACTIONS. (size) 2=0-8-0, 12=0-8-0, 10=0-3-8
Max Horz 2=-241(LC 10)
Max Uplift 2=-259(LC 12), 12=-336(LC 13), 10=-176(LC 9)
Max Grav 2=1339(LC 19), 12=1738(LC 2), 10=161(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1808/457, 3-5=-1199/418, 5-6=-918/412, 6-7=-1196/424, 7-8=-1467/416, 8-9=-136/742, 9-10=-84/613
BOT CHORD 2-18=-308/1593, 16-18=-308/1593, 15-16=-86/1005, 14-15=-207/1248, 13-14=-142/992, 12-13=-137/996, 10-12=-542/97
WEBS 3-18=0/378, 3-16=-742/279, 5-16=-130/518, 6-15=-129/482, 7-15=-449/224, 8-14=-83/296, 8-12=-2101/443, 9-12=-346/213

NOTES-
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=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 2-3-3, Interior(1) 2-3-3 to 15-0-0, Exterior(2E) 15-0-0 to 16-8-0, Exterior(2R) 16-8-0 to 21-11-15, Interior(1) 21-11-15 to 39-2-0 zone; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 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) 2=259, 12=336, 10=176.

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

December 23,2022

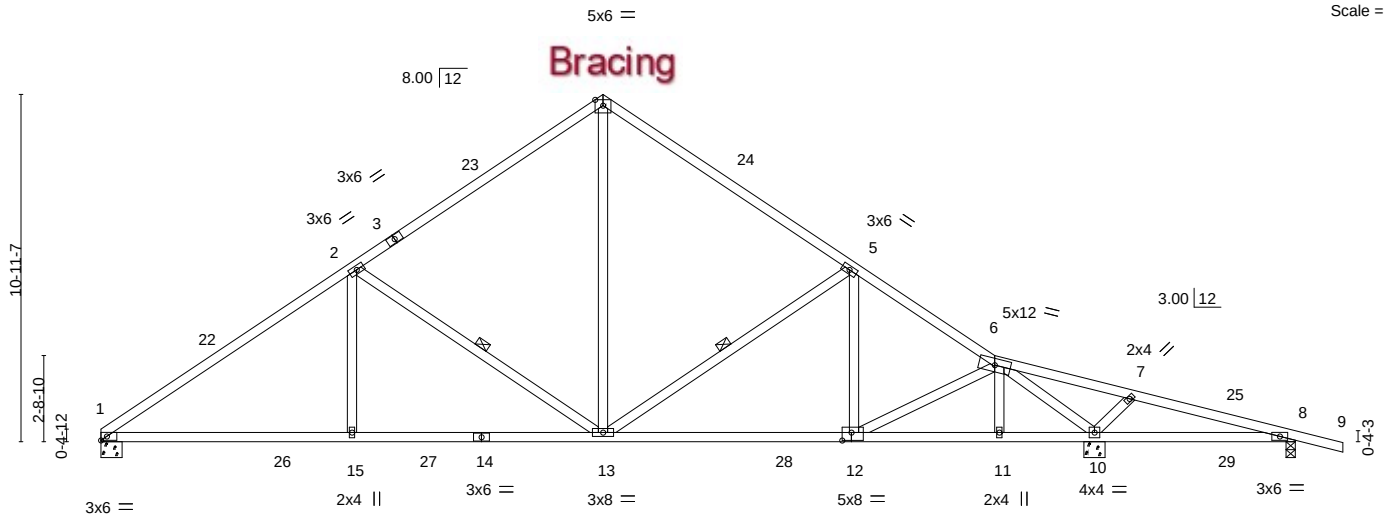
MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS REALITY - 125 SW MILKWEED
3341076	T09	ROOF SPECIAL	8	1	T29463856 Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 11 2022 MiTek Industries, Inc. Thu Dec 22 11:53:04 2022 Page 1
ID:krMvx1mH9U?wf6?cKU0X49yy8lb-cY8aK721i4P_pFemPKaPjElZRNh47K4gutThYsy6QJz

7-11-0	15-10-0	23-9-0	28-2-4	32-5-4	37-8-0	39-2-0
7-11-0	7-11-0	7-11-0	4-5-4	4-3-0	5-2-12	1-6-0

Scale = 1:72.7



7-11-0	15-10-0	23-9-0	28-2-4	31-4-0	37-8-0
7-11-0	7-11-0	7-11-0	4-5-4	3-1-12	6-4-0

Plate Offsets (X,Y)-- [12:0-3-8,0-3-0]

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	0.72	Vert(LL)	-0.15	15-18	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.80	Vert(CT)	-0.27	15-18	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.69	Horz(CT)	0.07	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 200 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 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 2-13, 5-13

REACTIONS. (size) 1=0-8-0, 10=0-8-0, 8=0-3-8
Max Horz 1=-246(LC 8)
Max Uplift 1=-223(LC 12), 10=-336(LC 13), 8=-180(LC 9)
Max Grav 1=1305(LC 19), 10=1796(LC 2), 8=156(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1881/455, 2-4=-1232/403, 4-5=-1240/398, 5-6=-1534/399, 6-7=-142/825, 7-8=-94/693
BOT CHORD 1-15=-322/1682, 13-15=-322/1682, 12-13=-199/1314, 11-12=-125/997, 10-11=-120/1000, 8-10=-619/106
WEBS 2-15=0/418, 2-13=-803/303, 4-13=-218/914, 5-13=-503/247, 6-12=-90/358, 6-10=-2203/425, 7-10=-349/214

NOTES-
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=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 3-9-3, Interior(1) 3-9-3 to 15-10-0, Exterior(2R) 15-10-0 to 19-7-3, Interior(1) 19-7-3 to 39-2-0 zone; porch 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, 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) 1=223, 10=336, 8=180.

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

December 23,2022

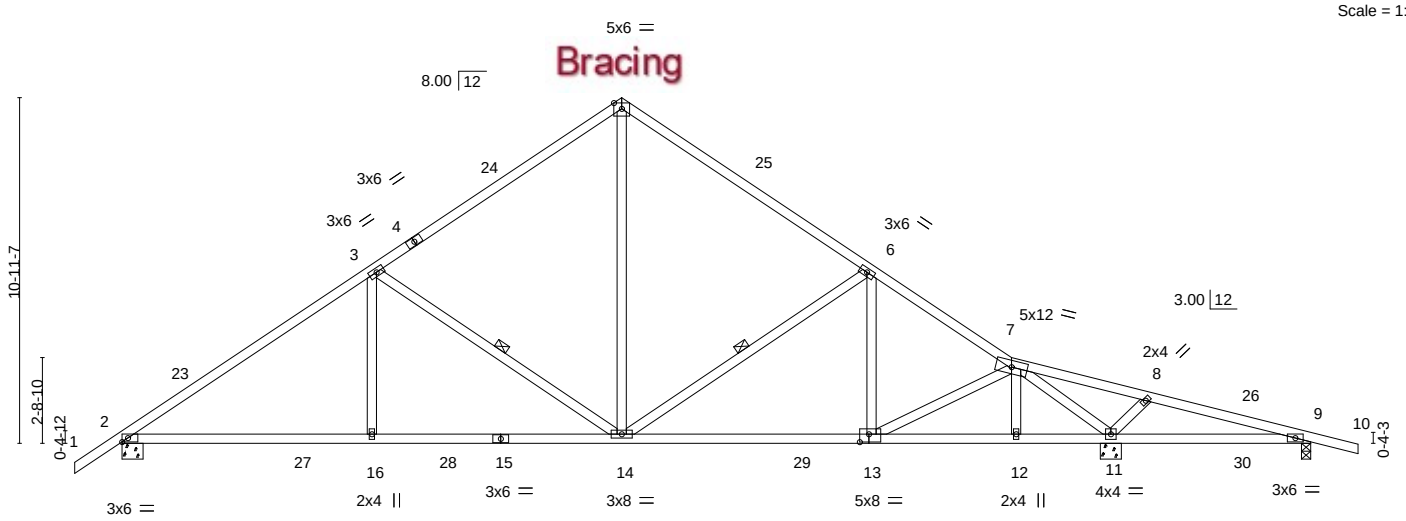
MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS REALITY - 125 SW MILKWEED
3341076	T09A	Roof Special	5	1	T29463857 Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 11 2022 MiTek Industries, Inc. Thu Dec 22 11:53:06 2022 Page 1
ID:krMvx1mH9U?wf6?cKU0X49yy8lb-YwFLlp3IDhgh2Yo9XlctofNv_BMvbEZzLByocly6QJx

-1-6-0	7-11-0	15-10-0	23-9-0	28-2-4	32-5-4	37-8-0	39-2-0
1-6-0	7-11-0	7-11-0	7-11-0	4-5-4	4-3-0	5-2-12	1-6-0

Scale = 1:73.0



7-11-0	15-10-0	23-9-0	28-2-4	31-4-0	37-8-0
7-11-0	7-11-0	7-11-0	4-5-4	3-1-12	6-4-0

Plate Offsets (X,Y)-- [13:0-3-8,0-3-0]

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	0.72	Vert(LL)	-0.14	16-19	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.78	Vert(CT)	-0.25	16-19	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.69	Horz(CT)	0.07	11	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 202 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 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 9-11.
WEBS 1 Row at midpt 3-14, 6-14

REACTIONS. (size) 2=0-8-0, 11=0-8-0, 9=0-3-8
Max Horz 2=-253(LC 10)
Max Uplift 2=-256(LC 12), 11=-336(LC 13), 9=-180(LC 9)
Max Grav 2=1382(LC 19), 11=1795(LC 2), 9=156(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1889/437, 3-5=-1230/397, 5-6=-1237/397, 6-7=-1532/397, 7-8=-142/825, 8-9=-94/693
BOT CHORD 2-16=-315/1671, 14-16=-315/1671, 13-14=-194/1312, 12-13=-123/995, 11-12=-118/999, 9-11=-619/106
WEBS 3-16=0/416, 3-14=-792/296, 5-14=-213/910, 6-14=-503/247, 7-13=-89/358, 7-11=-2202/423, 8-11=-349/214

NOTES-
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=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 2-3-3, Interior(1) 2-3-3 to 15-10-0, Exterior(2R) 15-10-0 to 19-7-3, Interior(1) 19-7-3 to 39-2-0 zone; porch 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, 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=256, 11=336, 9=180.

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

December 23,2022

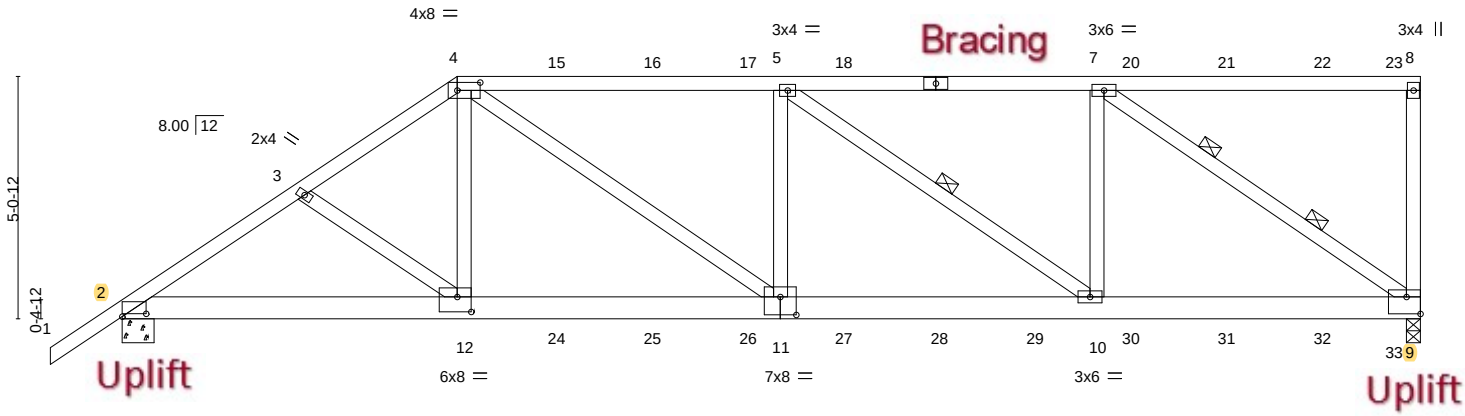
MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS REALITY - 125 SW MILKWEED
3341076	T10	HALF HIP GIRDER	1	1	T29463858 Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 11 2022 MiTek Industries, Inc. Thu Dec 22 11:53:08 2022 Page 1
ID:krMvx1mH9U?wf6?cKU0X49yy8lb-UJN5AV5YlJwPIsxXeAeLu4THA_0O35NFpVRuhey6QJv

-1-6-0	3-9-11	7-0-0	13-9-1	20-4-7	27-1-8
1-6-0	3-9-11	3-2-5	6-9-1	6-7-5	6-9-1

Scale: 1/4"=1'



7-0-0	13-9-1	20-4-7	27-1-8
7-0-0	6-9-1	6-7-5	6-9-1

Plate Offsets (X,Y)-- [2:0-6-0,0-0-12], [4:0-5-12,0-2-0], [9:Edge,0-4-4], [11:0-4-0,0-4-8], [12:0-3-8,0-3-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.61	Vert(LL)	0.17	11-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.91	Vert(CT)	-0.26	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.86	Horz(CT)	0.08	9	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS							Weight: 174 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
4-6: 2x4 SP M 31
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-2-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-11-13 oc bracing.
WEBS 1 Row at midpt 5-10
2 Rows at 1/3 pts 7-9

REACTIONS. (size) 9=0-3-8, 2=0-8-0
Max Horz 2=191(LC 8)
Max Uplift 9=-1059(LC 5), 2=-837(LC 8)
Max Grav 9=2297(LC 1), 2=1990(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3198/1407, 3-4=-3048/1386, 4-5=-3285/1510, 5-7=-2471/1128
BOT CHORD 2-12=-1270/2616, 11-12=-1199/2532, 10-11=-1510/3284, 9-10=-1128/2471
WEBS 4-12=-380/871, 4-11=-483/916, 5-11=-122/352, 5-10=-997/507, 7-10=-555/1283, 7-9=-2982/1359

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=1059, 2=837.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 70 lb down and 51 lb up at 7-0-0, 70 lb down and 49 lb up at 9-0-12, 70 lb down and 49 lb up at 11-0-12, 70 lb down and 49 lb up at 13-0-12, 70 lb down and 49 lb up at 15-0-12, 70 lb down and 42 lb up at 17-0-12, 70 lb down and 49 lb up at 19-0-12, 70 lb down and 49 lb up at 21-0-12, 70 lb down and 49 lb up at 23-0-12, and 70 lb down and 49 lb up at 25-0-12, and 63 lb down and 51 lb up at 26-6-12 on top chord, and 431 lb down and 292 lb up at 7-0-0, 156 lb down and 99 lb up at 9-0-12, 156 lb down and 99 lb up at 11-0-12, 156 lb down and 99 lb up at 13-0-12, 156 lb down and 99 lb up at 15-0-12, 156 lb down and 99 lb up at 17-0-12, 156 lb down and 99 lb up at 19-0-12, 156 lb down and 99 lb up at 21-0-12, 156 lb down and 99 lb up at 23-0-12, and 156 lb down and 99 lb up at 25-0-12, and 162 lb down and 93 lb up at 26-6-12 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).

LOAD CASE(S) Standard

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

December 23,2022

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: 1-4=-54, 4-8=-54, 2-9=-20
   Concentrated Loads (lb)
   Vert: 4=-18(F) 6=-18(F) 12=-431(F) 15=-18(F) 16=-18(F) 17=-18(F) 18=-18(F) 19=-18(F) 20=-18(F) 21=-18(F) 22=-18(F) 23=-34(F) 24=-156(F) 25=-156(F) 26=-156(F) 27=-156(F) 28=-156(F) 29=-156(F) 30=-156(F) 31=-156(F) 32=-156(F) 33=-162(F)

Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS REALITY - 125 SW MILKWEED
3341076	T11	HALF HIP	1	1	T29463859
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 11 2022 MiTek Industries, Inc. Thu Dec 22 11:53:09 2022 Page 1
ID:krMvx1mH9U?wf6?cKU0X49yy8lb-zVxTNr6AWc2Gv0WkCt9aQI?UrOLXof8P29ASD4y6QJu

-1-6-0 4-8-3 9-0-0 14-8-0 21-5-9 27-1-8
1-6-0 4-8-3 4-3-13 5-8-0 6-9-9 5-7-15

Scale: 1/4"=1'

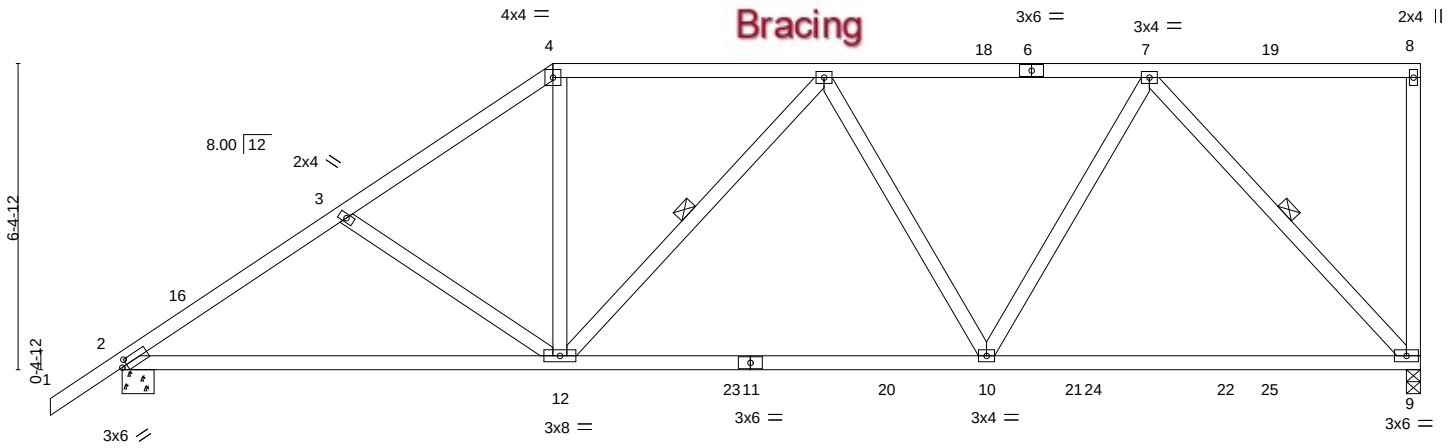

Plate Offsets (X,Y)-- [2:0-1-5,0-1-8]

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	0.49	Vert(LL)	-0.24	9-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.98	Vert(CT)	-0.42	9-10	>777	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.44	Horz(CT)	0.05	9	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 155 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 4-3-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 5-12, 7-9

REACTIONS. (size) 9=0-3-8, 2=0-8-0
Max Horz 2=237(LC 12)
Max Uplift 9=-261(LC 9), 2=-257(LC 12)
Max Grav 9=1128(LC 2), 2=1165(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1599/352, 3-4=-1423/309, 4-5=-1144/298, 5-7=-1142/234
BOT CHORD 2-12=-436/1314, 10-12=-303/1244, 9-10=-205/815
WEBS 3-12=-289/168, 4-12=-52/570, 5-10=-280/178, 7-10=-111/672, 7-9=-1185/306

NOTES-
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=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 9-0-0, Exterior(2R) 9-0-0 to 13-2-15, Interior(1) 13-2-15 to 26-11-12 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=261, 2=257.

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

December 23,2022

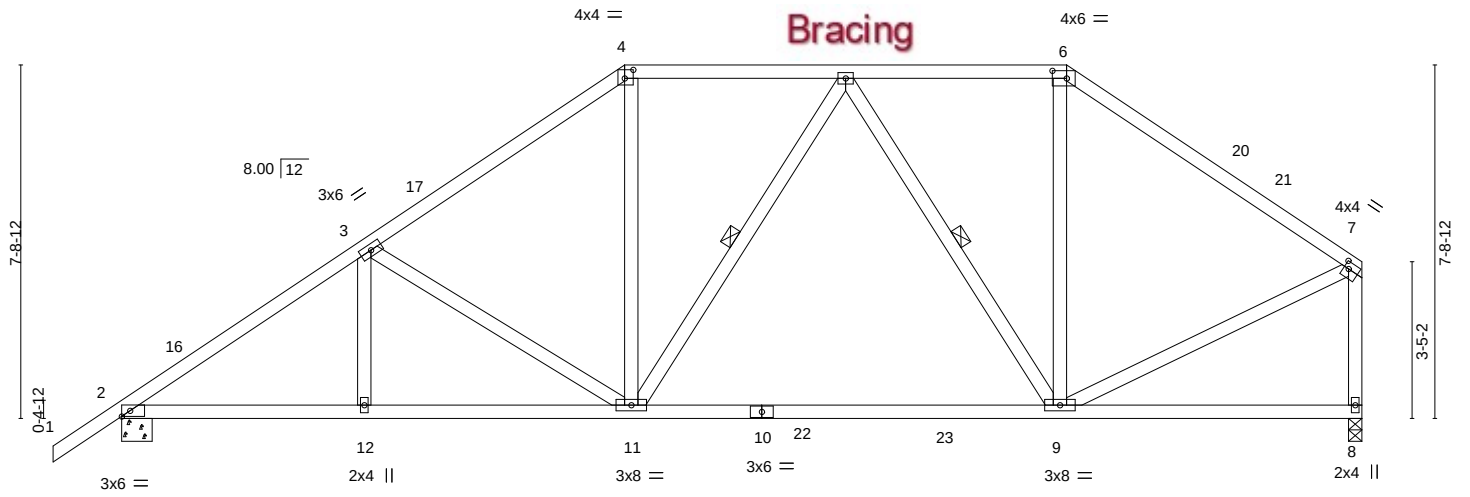
MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS REALITY - 125 SW MILKWEED
3341076	T12	HIP	1	1	T29463860
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 11 2022 MiTek Industries, Inc. Thu Dec 22 11:53:11 2022 Page 1
ID:krMvx1mH9U?wf6?cKU0X49yy8lb-vu3EoW7Q2EI_9Kg6JIC2Vj5oWC2_GZBiVTfZIyy6QJs

-1-6-0 | 5-3-11 | 11-0-0 | 15-10-0 | 20-8-0 | 27-1-8
1-6-0 | 5-3-11 | 5-8-5 | 4-10-0 | 4-10-0 | 6-5-8

Scale = 1:50.4



5-3-11 | 11-0-0 | 20-8-0 | 27-1-8
5-3-11 | 5-8-5 | 9-8-0 | 6-5-8

Plate Offsets (X,Y)-- [4:0-2-4,0-2-4], [6:0-3-12,0-2-0], [7:0-1-4,0-1-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.54	Vert(LL)	-0.30	9-11	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.92	Vert(CT)	-0.48	9-11	>677	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.41	Horz(CT)	0.04	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 165 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 4-6-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 5-11, 5-9

REACTIONS. (size) 2=0-8-0, 8=0-3-8
Max Horz 2=200(LC 12)
Max Uplift 2=-250(LC 12), 8=-192(LC 13)
Max Grav 2=1160(LC 2), 8=1102(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1646/326, 3-4=-1287/282, 4-5=-1015/283, 5-6=-781/217, 6-7=-1011/190, 7-8=-1027/204
BOT CHORD 2-12=-374/1367, 11-12=-374/1367, 9-11=-178/967
WEBS 3-11=-461/204, 4-11=-54/460, 5-9=-410/167, 6-9=-41/335, 7-9=-108/831

NOTES-
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=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 11-0-0, Exterior(2R) 11-0-0 to 15-2-15, Interior(1) 15-2-15 to 20-8-0, Exterior(2R) 20-8-0 to 24-10-15, Interior(1) 24-10-15 to 26-11-12 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) 2=250, 8=192.

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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

December 23,2022

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS REALITY - 125 SW MILKWEED
3341076	T13	HIP	1	1	T29463861
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 11 2022 MiTek Industries, Inc. Thu Dec 22 11:53:12 2022 Page 1
ID:krMvx1mH9U?wf6?cKU0X49yy8lb-N4dc?s83pXQrnTFJt?jH2wdz6cQG?xFrk7P6qPy6QJr

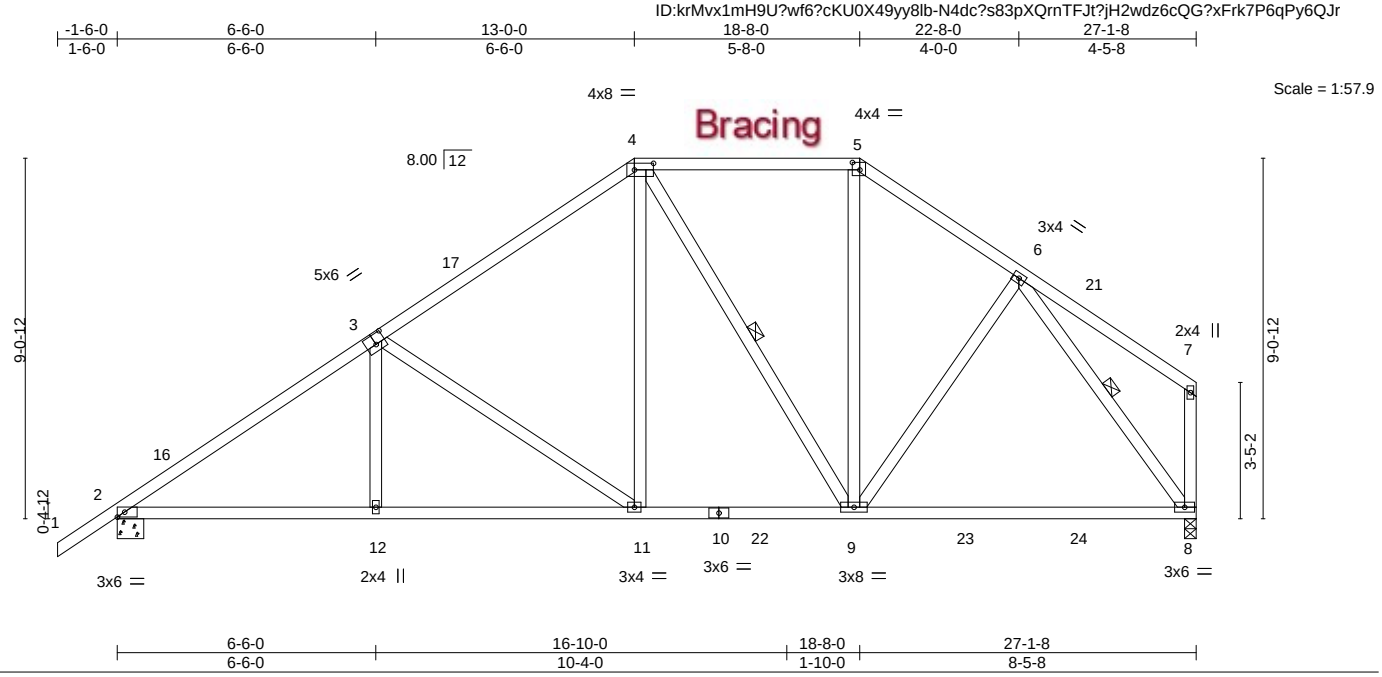

Plate Offsets (X,Y)-- [3:0-3-0,0-3-0], [4:0-5-12,0-2-0], [5:0-2-4,0-2-4]

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	0.55	Vert(LL)	-0.22	8-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.78	Vert(CT)	-0.37	8-9	>874	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.74	Horz(CT)	0.04	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 173 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 4-5-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-7-14 oc bracing.
WEBS 1 Row at midpt 4-9, 6-8

REACTIONS. (size) 2=0-8-0, 8=0-3-8
Max Horz 2=220(LC 12)
Max Uplift 2=-244(LC 12), 8=-186(LC 13)
Max Grav 2=1187(LC 19), 8=1124(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1623/307, 3-4=-1134/261, 4-5=-773/227, 5-6=-975/233
BOT CHORD 2-12=-364/1396, 11-12=-363/1400, 9-11=-165/892, 8-9=-104/649
WEBS 3-12=0/286, 3-11=-616/239, 4-11=-97/538, 4-9=-259/124, 5-9=-68/351, 6-9=-75/266, 6-8=-1039/183

NOTES-
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=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 13-0-0, Exterior(2R) 13-0-0 to 17-2-15, Interior(1) 17-2-15 to 18-8-0, Exterior(2R) 18-8-0 to 22-8-0, Interior(1) 22-8-0 to 26-11-12 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) 2=244, 8=186.

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

December 23,2022

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS REALITY - 125 SW MILKWEED
3341076	T14	HIP	1	1	T29463862
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 11 2022 MiTek Industries, Inc. Thu Dec 22 11:53:14 2022 Page 1
ID:krMvx1mH9U?wf6?cKU0X49yy8lb-JTkMQYAJL9gZ0nPh?Qlm7LjIPP6eTxG8BRuDuHy6QJp

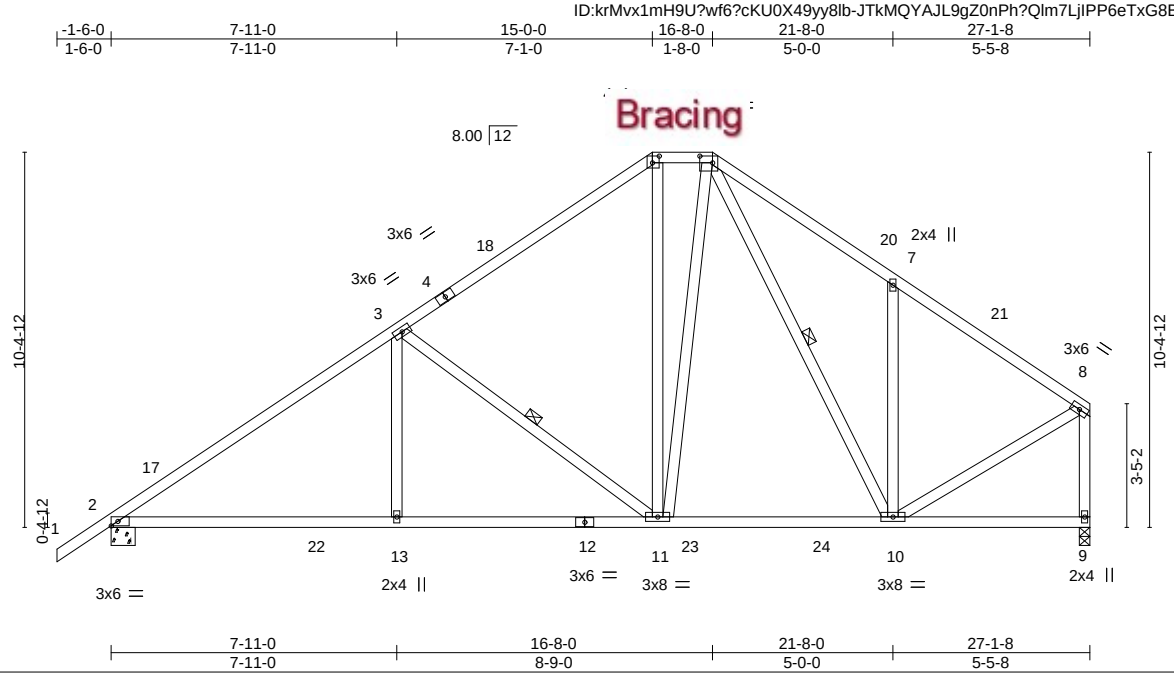

Plate Offsets (X,Y)-- [5:0-2-4,0-2-4], [6:0-4-4,0-2-4]

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	0.63	Vert(LL)	-0.14	13-16	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.73	Vert(CT)	-0.26	13-16	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.32	Horz(CT)	0.04	9	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 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-11-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-8-1 oc bracing.
WEBS 1 Row at midpt 3-11, 6-10

REACTIONS. (size) 2=0-8-0, 9=0-3-8
Max Horz 2=240(LC 12)
Max Uplift 2=-237(LC 12), 9=-179(LC 13)
Max Grav 2=1231(LC 19), 9=1109(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1612/282, 3-5=-1008/240, 5-6=-766/254, 6-7=-1005/336, 7-8=-953/182, 8-9=-1036/190
BOT CHORD 2-13=-342/1398, 11-13=-342/1398, 10-11=-100/753
WEBS 3-13=0/362, 3-11=-730/278, 5-11=-78/366, 6-11=-126/422, 7-10=-344/248, 8-10=-123/861

NOTES-
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=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 15-0-0, Exterior(2E) 15-0-0 to 16-8-0, Exterior(2R) 16-8-0 to 20-10-15, Interior(1) 20-10-15 to 26-11-12 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) 2=237, 9=179.

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

December 23,2022

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS REALITY - 125 SW MILKWEED
3341076	T15	COMMON	3	1	T29463863
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 11 2022 MiTek Industries, Inc. Thu Dec 22 11:53:15 2022 Page 1
ID:krMvx1mH9U?wf6?cKU0X49yy8lb-nfIkeuAx6SoQex_uY8G?gZFRspSXCOoHQ5dmRky6QJo

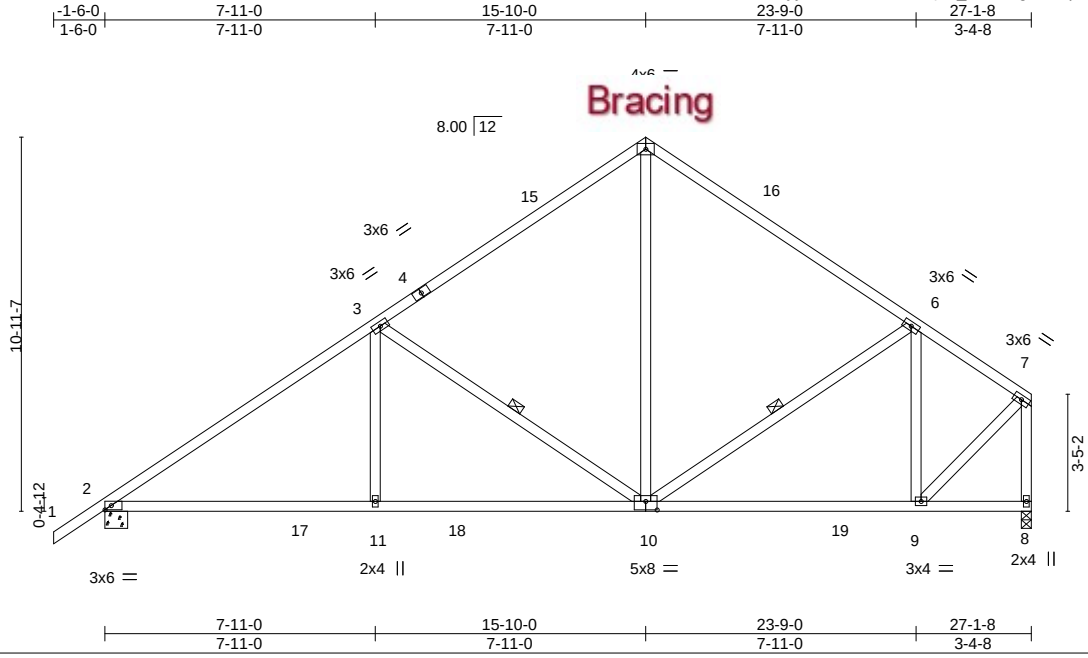

Plate Offsets (X,Y)-- [10:0-4-0,0-3-0]

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	0.71	Vert(LL)	-0.13	11-14	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.75	Vert(CT)	-0.24	11-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.37	Horz(CT)	0.04	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 161 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 3-10-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 3-10, 6-10

REACTIONS. (size) 8=0-3-8, 2=0-8-0
Max Horz 2=248(LC 12)
Max Uplift 8=-176(LC 13), 2=-234(LC 12)
Max Grav 8=1130(LC 20), 2=1251(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1657/279, 3-5=-992/249, 5-6=-1002/256, 6-7=-808/150, 7-8=-1122/189
BOT CHORD 2-11=-350/1446, 10-11=-350/1446, 9-10=-112/674
WEBS 3-11=0/417, 3-10=-795/297, 5-10=-112/651, 6-9=-459/153, 7-9=-161/959

NOTES-
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=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 15-10-0, Exterior(2R) 15-10-0 to 18-10-0, Interior(1) 18-10-0 to 26-11-12 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) 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) 8=176, 2=234.

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MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

December 23,2022

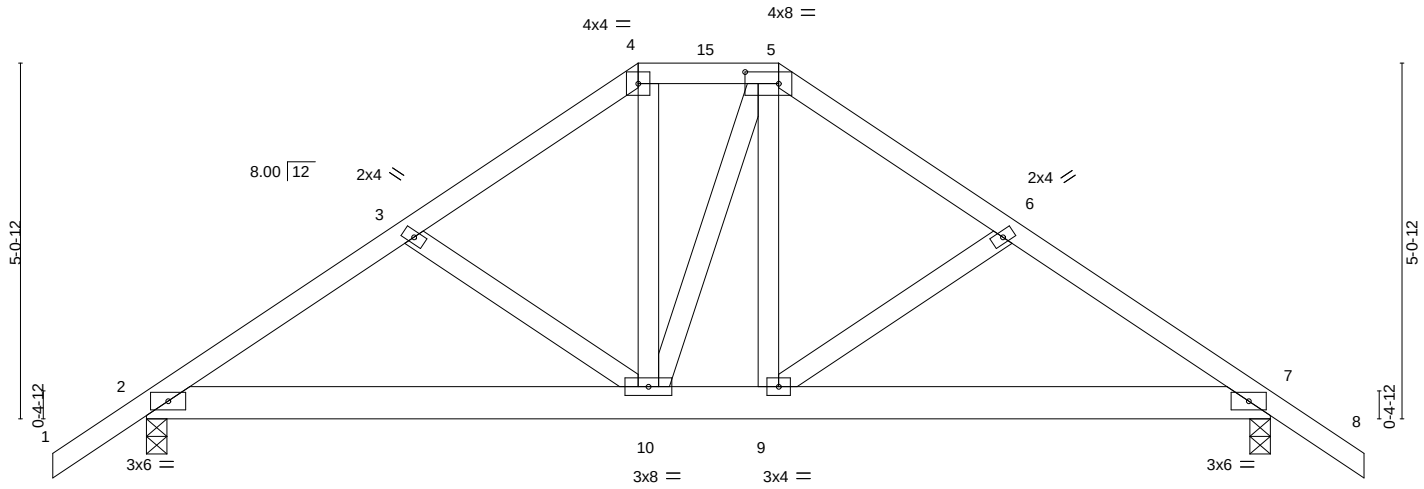
MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS REALITY - 125 SW MILKWEED
3341076	T16	Hip Girder	1	1	T29463864
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 11 2022 MiTek Industries, Inc. Thu Dec 22 11:53:17 2022 Page 1
ID:krMvx1mH9U?wf6?cKU0X49yy8lb-k2QV2aCBe428tF7GgZITl_KvSdEzgK6atP6tVcy6QJm

-1-4-0	3-9-11	7-0-0	9-0-0	12-2-5	16-0-0	17-4-0
1-4-0	3-9-11	3-2-5	2-0-0	3-2-5	3-9-11	1-4-0

Scale = 1:32.8



7-0-0	9-0-0	16-0-0
7-0-0	2-0-0	7-0-0

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

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	0.19	Vert(LL)	0.05	9-14	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.37	Vert(CT)	-0.08	9-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.25	Horz(CT)	0.02	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 102 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 4-5-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-2-5 oc bracing.

REACTIONS. (size) 2=0-3-8, 7=0-3-8
Max Horz 2=-123(LC 25)
Max Uplift 2=-469(LC 8), 7=-470(LC 9)
Max Grav 2=1144(LC 1), 7=1153(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1672/746, 3-4=-1525/717, 4-5=-1240/634, 5-6=-1530/731, 6-7=-1680/745
BOT CHORD 2-10=-636/1367, 9-10=-577/1241, 7-9=-565/1375
WEBS 4-10=-324/663, 5-9=-302/611

NOTES-
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=20ft; 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
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=469, 7=470.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 70 lb down and 51 lb up at 7-0-0, and 171 lb down and 155 lb up at 9-0-0 on top chord, and 431 lb down and 292 lb up at 7-0-0, and 431 lb down and 292 lb up at 8-11-4 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).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-5=-54, 5-8=-54, 2-7=-20
Concentrated Loads (lb)
Vert: 4=-18(F) 5=-89(F) 10=-431(F) 9=-431(F)

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MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

December 23,2022

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	EXCEPTIONS REALITY - 125 SW MILKWEED
3341076	T17	Common	1	1	T29463865
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 11 2022 MiTek Industries, Inc. Thu Dec 22 11:53:18 2022 Page 1
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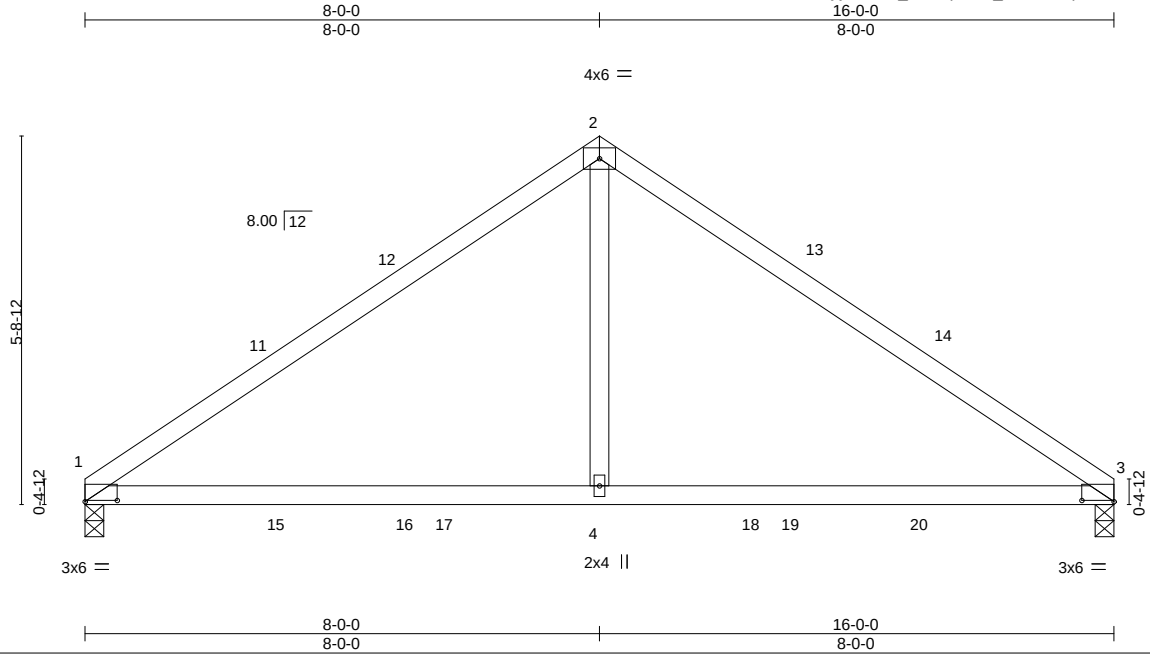

Plate Offsets (X,Y)-- [1:0-6-0,0-0-3], [3:0-6-0,0-0-3]

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	0.79	Vert(LL)	0.20	4-7	>980	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.81	Vert(CT)	-0.27	4-10	>705	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.24	Horz(CT)	0.01	1	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 61 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 4-2-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-4-3 oc bracing.

REACTIONS. (size) 1=0-3-8, 3=0-3-8
Max Horz 1=-117(LC 8)
Max Uplift 1=-117(LC 12), 3=-117(LC 13)
Max Grav 1=668(LC 2), 3=668(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-814/576, 2-3=-814/576
BOT CHORD 1-4=-392/607, 3-4=-392/607
WEBS 2-4=-423/465

NOTES-
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=20ft; 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 8-0-0, Exterior(2R) 8-0-0 to 11-0-0, Interior(1) 11-0-0 to 16-0-0 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, 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) 1=117, 3=117.

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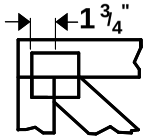
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

December 23,2022

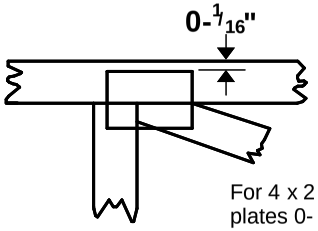
MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Symbols

PLATE LOCATION AND ORIENTATION



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



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

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

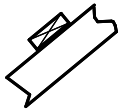
*** Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

4 x 4

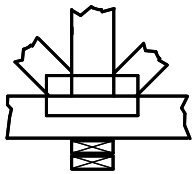
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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

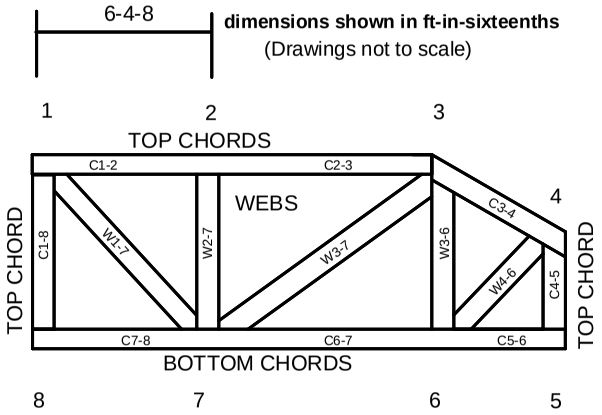


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

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.