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

RE: 4276461 - IC CONST. - TEPEDINO ADDITION

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

Site Information:

Customer Info: IC CONSTRUCTION Project Name: Tepedino Addition Model: Custom
Lot/Block: N/A Subdivision: N/A
Address: 136 SW Stoneridge Drive, N/A
City: Columbia Cty State: FL

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

Name: License #:
Address:
City: State:

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

Design Code: FBC2023/TPI2014 Design Program: MiTek 20/20 8.7
Wind Code: ASCE 7-22 Wind Speed: 130 mph
Roof Load: 37.0 psf Floor Load: N/A psf

This package includes 15 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	T35237775	CJ01	10/12/24	15	T35237789	T08	10/12/24
2	T35237776	CJ03	10/12/24				
3	T35237777	CJ03A	10/12/24				
4	T35237778	CJ05	10/12/24				
5	T35237779	CJ05A	10/12/24				
6	T35237780	EJ01	10/12/24				
7	T35237781	HJ10	10/12/24				
8	T35237782	T01	10/12/24				
9	T35237783	T02	10/12/24				
10	T35237784	T03	10/12/24				
11	T35237785	T04	10/12/24				
12	T35237786	T05	10/12/24				
13	T35237787	T06	10/12/24				
14	T35237788	T07	10/12/24				

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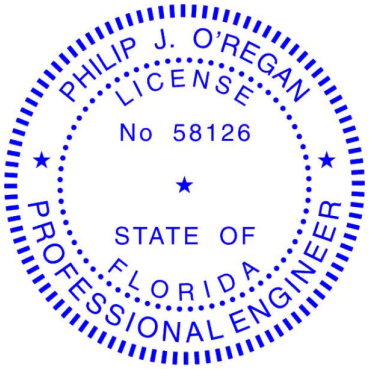
The truss drawing(s) referenced above have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Builders FirstSource-Lake City, FL.

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

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:

October 12,2024

Job	Truss	Truss Type	Qty	Ply	IC CONST. - TEPEDINO ADDITION T35237775
4276461	CJ01	Jack-Open	8	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Sep 25 2024 MiTek Industries, Inc. Fri Oct 11 06:01:18 2024 Page 1
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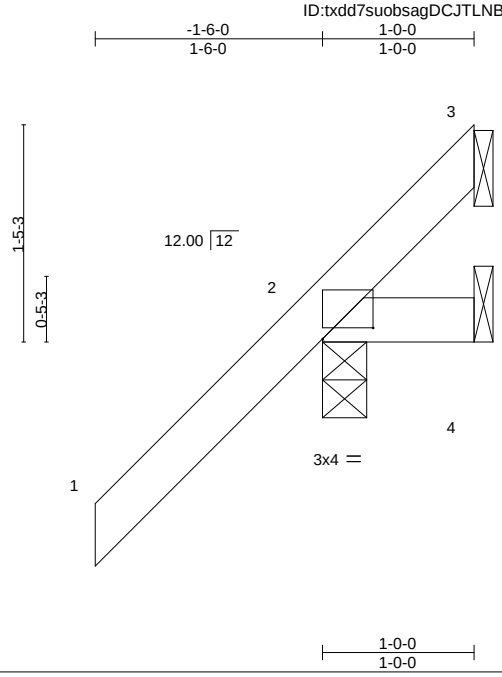

Plate Offsets (X,Y)-- [2:0-4-0,0-0-14]

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	0.32	Vert(LL)	-0.00	7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.11	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 FBC2023/TPI2014		Matrix-MP							Weight: 7 lb	FT = 20%

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

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

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=88(LC 12)
Max Uplift 3=-4(LC 13), 2=-88(LC 12), 4=-22(LC 1)
Max Grav 3=11(LC 8), 2=179(LC 1), 4=35(LC 16)

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

NOTES-
1) Wind: ASCE 7-22; 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 Zone3 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 4 lb uplift at joint 3, 88 lb uplift at joint 2 and 22 lb uplift at joint 4.

This item has been digitally signed and sealed by ORegan, Philip, PE on the date indicated here. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

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

October 12,2024

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

Job	Truss	Truss Type	Qty	Ply	IC CONST. - TEPEDINO ADDITION T35237776
4276461	CJ03	Jack-Open	7	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Sep 25 2024 MiTek Industries, Inc. Fri Oct 11 06:01:19 2024 Page 1
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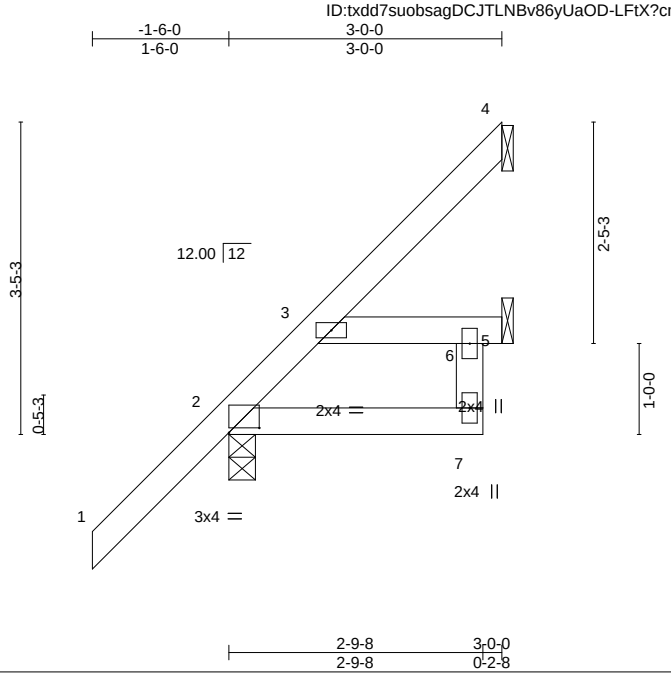

Plate Offsets (X,Y)-- [2:0-4-0,0-0-10]

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	0.32	Vert(LL)	-0.00	13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.14	Vert(CT)	-0.00	13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MR							Weight: 18 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
6-7: 2x4 SP No.3

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

REACTIONS. (size) 4=Mechanical, 2=0-3-8, 5=Mechanical
Max Horz 2=163(LC 12)
Max Uplift 4=-52(LC 12), 2=-30(LC 12), 5=-17(LC 12)
Max Grav 4=51(LC 19), 2=223(LC 1), 5=101(LC 3)

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

NOTES-
1) Wind: ASCE 7-22; 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 Zone3 -1-6-0 to 1-3-4, Zone1 1-3-4 to 2-11-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 52 lb uplift at joint 4, 30 lb uplift at joint 2 and 17 lb uplift at joint 5.

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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

October 12,2024

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Job	Truss	Truss Type	Qty	Ply	IC CONST. - TEPEDINO ADDITION T35237777
4276461	CJ03A	Jack-Open	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Sep 25 2024 MiTek Industries, Inc. Fri Oct 11 06:01:19 2024 Page 1
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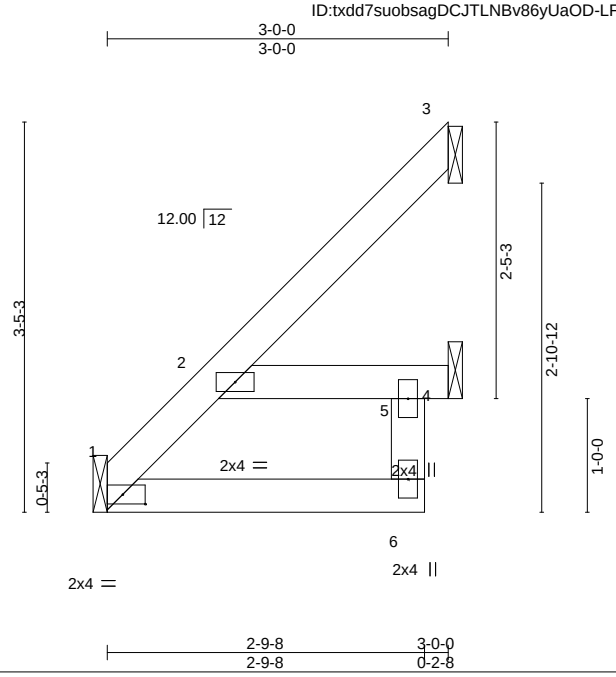

Plate Offsets (X,Y)-- [1:0-2-6,0-1-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.06	Vert(LL)	-0.00	12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.17	Vert(CT)	-0.00	12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MR							Weight: 15 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
5-6: 2x4 SP No.3

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

REACTIONS. (size) 1=Mechanical, 3=Mechanical, 4=Mechanical
Max Horz 1=113(LC 12)
Max Uplift 3=-51(LC 12), 4=-38(LC 12)
Max Grav 1=121(LC 1), 3=50(LC 19), 4=107(LC 3)

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

NOTES-
1) Wind: ASCE 7-22; 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 Zone3 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 51 lb uplift at joint 3 and 38 lb uplift at joint 4.

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

October 12,2024

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Job	Truss	Truss Type	Qty	Ply	IC CONST. - TEPEDINO ADDITION T35237778
4276461	CJ05	Jack-Open	7	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 8.730 s Nov 16 2023 MiTek Industries, Inc. Fri Oct 11 08:52:47 2024 Page 1

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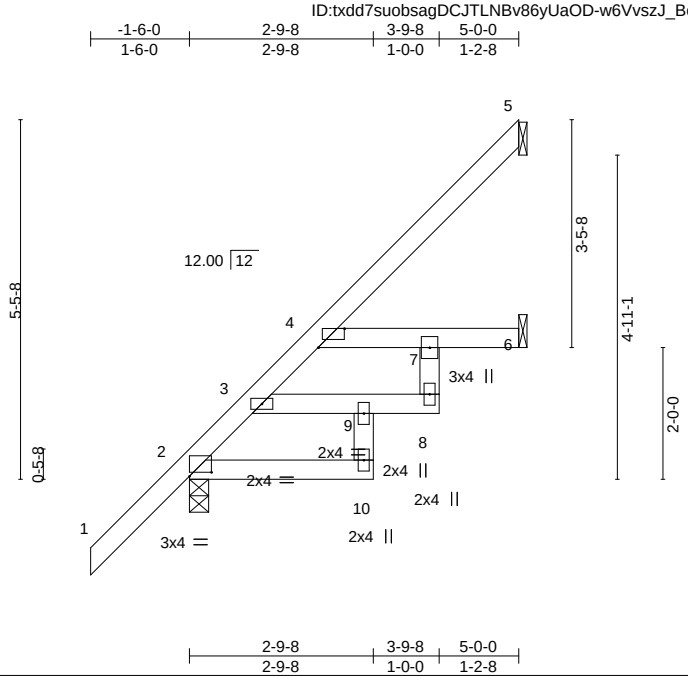

Plate Offsets (X,Y)-- [2:0-4-0,0-0-12], [4:0-4-12,Edge]

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	0.32	Vert(LL)	0.02	7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.40	Vert(CT)	-0.02	8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MR							Weight: 29 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
9-10,7-8: 2x4 SP No.3

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

REACTIONS. (lb/size) 5=72/Mechanical, 2=291/0-3-8 (min. 0-1-8), 6=118/Mechanical
Max Horz 2=240(LC 12)
Max Uplift 5=-83(LC 12), 2=-5(LC 12), 6=-59(LC 12)
Max Grav 5=86(LC 19), 2=291(LC 1), 6=139(LC 3)

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

NOTES-
1) Wind: ASCE 7-22; 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 1-2-15 to 4-11-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 83 lb uplift at joint 5, 5 lb uplift at joint 2 and 59 lb uplift at joint 6.

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:

October 12,2024

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Job	Truss	Truss Type	Qty	Ply	IC CONST. - TEPEDINO ADDITION T35237779
4276461	CJ05A	Jack-Open	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 8.730 s Nov 16 2023 MiTek Industries, Inc. Fri Oct 11 08:54:13 2024 Page 1

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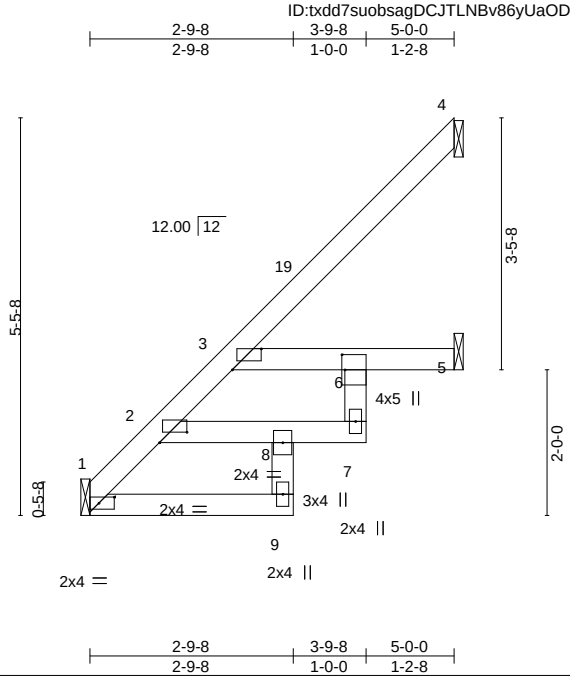

Plate Offsets (X,Y)-- [1:0-2-9,0-1-0], [2:0-4-8,0-1-12], [3:0-4-12,Edge], [6:0-2-8,0-0-8]

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	0.14	Vert(LL)	0.02	6	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.43	Vert(CT)	-0.02	6	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.02	5	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MR							Weight: 26 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
8-9,6-7: 2x4 SP No.3

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

REACTIONS. (lb/size) 1=197/Mechanical, 4=73/Mechanical, 5=129/Mechanical
Max Horz 1=191(LC 12)
Max Uplift 4=-84(LC 12), 5=-70(LC 12)
Max Grav 1=197(LC 1), 4=87(LC 19), 5=143(LC 19)

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

NOTES-
1) Wind: ASCE 7-22; 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 3-0-0 to 4-11-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 84 lb uplift at joint 4 and 70 lb uplift at joint 5.

LOAD CASE(S) Standard

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

October 12,2024

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Job	Truss	Truss Type	Qty	Ply	IC CONST. - TEPEDINO ADDITION T35237780
4276461	EJ01	Jack-Partial	8	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Sep 25 2024 MiTek Industries, Inc. Fri Oct 11 06:01:21 2024 Page 1
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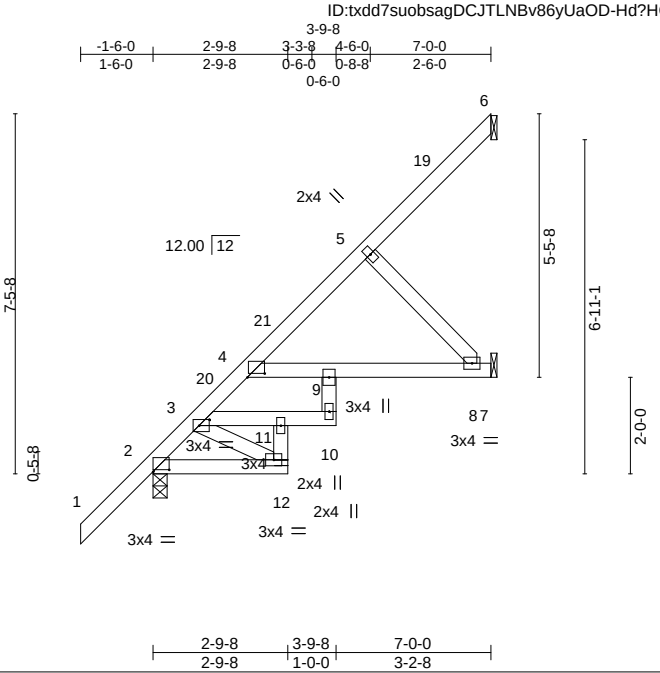

Plate Offsets (X,Y)-- [2:0-4-0,0-0-8], [3:0-2-8,0-1-8], [4:0-4-4,0-1-0]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.36	Vert(LL)	0.09	8-9	>904	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.40	Vert(CT)	-0.12	8-9	>720	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.06	7	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 44 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
11-12,9-10: 2x4 SP No.3
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) 6=Mechanical, 2=0-3-8, 7=Mechanical
Max Horz 2=306(LC 12)
Max Uplift 6=-44(LC 12), 2=-1(LC 12), 7=-149(LC 12)
Max Grav 6=50(LC 19), 2=346(LC 1), 7=237(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-14=-263/0, 3-4=-270/0

NOTES-
1) Wind: ASCE 7-22; 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 Zone3 -1-6-0 to 1-6-0, Zone1 1-6-0 to 6-11-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 44 lb uplift at joint 6, 1 lb uplift at joint 2 and 149 lb uplift at joint 7.

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

October 12,2024

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Job	Truss	Truss Type	Qty	Ply	IC CONST. - TEPEDINO ADDITION T35237781
4276461	HJ10	Diagonal Hip Girder	4	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Sep 25 2024 MiTek Industries, Inc. Fri Oct 11 06:01:21 2024 Page 1
ID:txdd7suobsagDCJTLNBv86yUaOD-Hd?HQIo_iaMhRTSjsshuTeXR4pLd4rwy19uRb4yUaBy

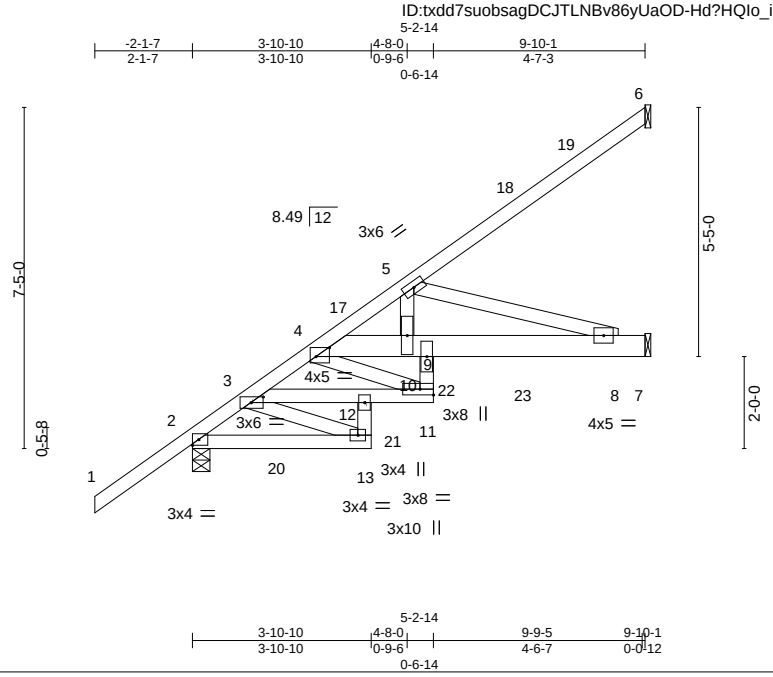

Plate Offsets (X,Y)-- [3:0-3-3,0-1-8], [4:0-3-8,0-2-6]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.42	Vert(LL)	0.07	8-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.56	Vert(CT)	-0.09	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.54	Horz(CT)	0.05	7	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 68 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
12-13,9-11: 2x4 SP No.3, 4-7: 2x6 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-11-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-0-15 oc bracing.

REACTIONS. (size) 6=Mechanical, 2=0-4-9, 7=Mechanical
Max Horz 2=306(LC 8)
Max Uplift 6=-114(LC 8), 2=-166(LC 4), 7=-252(LC 8)
Max Grav 6=137(LC 35), 2=579(LC 1), 7=450(LC 35)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-15=-705/292, 3-4=-765/309, 4-5=-1331/667
BOT CHORD 2-13=-236/421, 3-12=-331/483, 11-12=-390/608, 9-11=-262/486, 4-10=-692/1049, 9-10=-692/1049, 8-9=-741/1140
WEBS 3-13=-307/191, 4-11=-570/375, 5-8=-1189/773, 5-10=-378/793

NOTES-
1) Wind: ASCE 7-22; 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) 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 114 lb uplift at joint 6, 166 lb uplift at joint 2 and 252 lb uplift at joint 7.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 74 lb down and 60 lb up at 1-6-1, 74 lb down and 60 lb up at 1-6-1, 76 lb down and 79 lb up at 4-4-0, 76 lb down and 79 lb up at 4-4-0, and 100 lb down and 114 lb up at 7-1-15, and 100 lb down and 114 lb up at 7-1-15 on top chord, and 35 lb down and 49 lb up at 1-2-11, 35 lb down and 49 lb up at 1-2-11, 73 lb down and 34 lb up at 4-4-0, 73 lb down and 34 lb up at 4-4-0, and 108 lb down and 86 lb up at 7-1-15, and 108 lb down and 86 lb up at 7-1-15 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
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-6=-54, 13-14=-20, 11-12=-20, 7-9=-20

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Date:

October 12,2024

Continued on page 2

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LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 18=-7(F=-3, B=-3) 21=-74(F=-37, B=-37) 23=-179(F=-89, B=-89)

Job	Truss	Truss Type	Qty	Ply	IC CONST. - TEPEDINO ADDITION T35237782
4276461	T01	Hip Girder	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Sep 25 2024 MiTek Industries, Inc. Fri Oct 11 06:01:23 2024 Page 1
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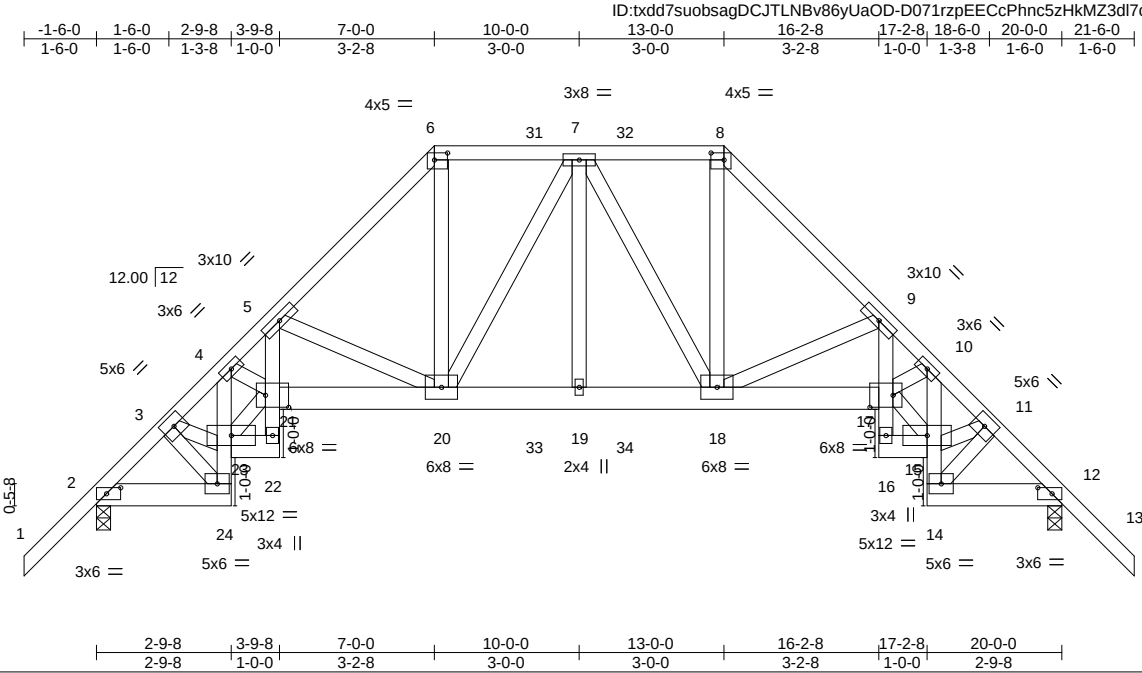

Plate Offsets (X,Y)-- [2:0-3-8,0-1-8], [6:0-3-4,0-1-12], [8:0-3-4,0-1-12], [12:0-3-9,0-1-8], [17:0-5-12,0-3-0], [21:0-5-12,0-3-0]

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	0.52	Vert(LL)	0.17	19	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL 1.25	BC	0.83	Vert(CT)	-0.23	19	>999	180		
BCLL	0.0 *	Rep Stress Incr NO	WB	0.95	Horz(CT)	0.28	12	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014	Matrix-MS							Weight: 167 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except* 4-24,5-22,9-16,10-14: 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-7-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-6-0 oc bracing.

REACTIONS. (size) 2=0-3-8, 12=0-3-8
Max Horz 2=-212(LC 27)
Max Uplift 2=-823(LC 8), 12=-823(LC 9)
Max Grav 2=1566(LC 1), 12=1566(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1993/1067, 3-4=-2898/1568, 4-5=-4451/2399, 5-6=-2509/1452, 6-7=-1797/1102, 7-8=-1748/1053, 8-9=-2479/1418, 9-10=-4262/2219, 10-11=-2815/1479, 11-12=-1993/1064
BOT CHORD 2-24=-772/1468, 23-24=-688/1343, 4-23=-1696/906, 22-23=-199/368, 21-22=-199/392, 5-21=-968/1939, 20-21=-1765/3358, 19-20=-1068/1989, 18-19=-1068/1989, 17-18=-1523/3122, 16-17=-173/365, 9-17=-831/1799, 15-16=-173/340, 14-15=-587/1235, 10-15=-1587/784, 12-14=-660/1348
WEBS 3-24=-1677/890, 3-23=-996/1895, 21-23=-1418/2721, 4-21=-693/1300, 5-20=-1695/936, 6-20=-907/1577, 7-20=-293/244, 7-19=-202/303, 7-18=-293/237, 8-18=-916/1578, 9-18=-1535/792, 15-17=-1214/2531, 10-17=-597/1220, 11-15=-854/1755, 11-14=-1530/754

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=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 823 lb uplift at joint 2 and 823 lb uplift at joint 12.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 62 lb down and 43 lb up at 7-0-0, 62 lb down and 40 lb up at 9-0-12, and 62 lb down and 40 lb up at 10-11-4, and 62 lb down and 43 lb up at 13-0-0 on top chord, and 603 lb down and 449 lb up at 7-0-0, 203 lb down and 169 lb up at 9-0-12, and 203 lb down and 169 lb up at 10-11-4, and 603 lb down and 449 lb up at 12-11-4 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).

Continued on page 2

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Date:

October 12,2024

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LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-6=-54, 6-8=-54, 8-13=-54, 24-25=-20, 22-23=-20, 17-21=-20, 15-16=-20, 14-28=-20
   Concentrated Loads (lb)
   Vert: 20=-558(F) 18=-558(F) 33=-187(F) 34=-187(F)

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Job	Truss	Truss Type	Qty	Ply	IC CONST. - TEPEDINO ADDITION T35237783
4276461	T02	Hip	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Sep 25 2024 MiTek Industries, Inc. Fri Oct 11 06:01:23 2024 Page 1
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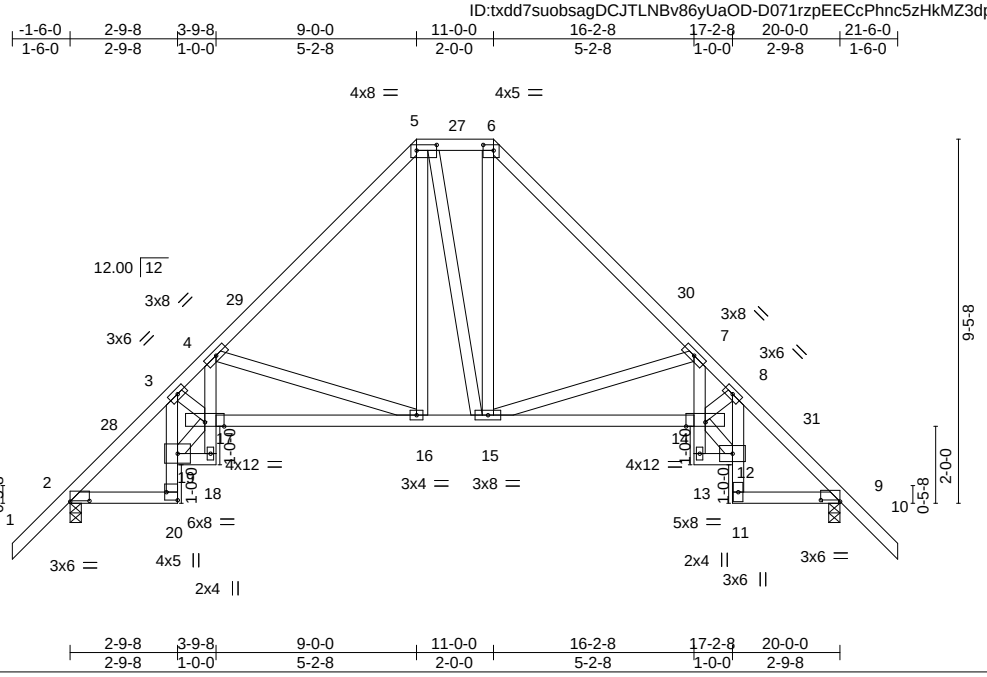

Plate Offsets (X,Y)-- [2:0-6-0,0-0-4], [5:0-6-4,0-1-12], [6:0-3-4,0-1-12], [9:0-6-0,0-0-7], [20:Edge,0-3-8]

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	0.32	Vert(LL)	-0.08	16-17	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.95	Vert(CT)	-0.18	16-17	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.62	Horz(CT)	0.24	9	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 146 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-4-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
2-2-0 oc bracing: 19-20,11-12
8-10-0 oc bracing: 16-17.

REACTIONS. (size) 2=0-3-8, 9=0-3-8
Max Horz 2=-261(LC 10)
Max Uplift 2=-204(LC 12), 9=-204(LC 13)
Max Grav 2=821(LC 1), 9=821(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-958/201, 3-4=-1685/452, 4-5=-839/216, 5-6=-519/214, 6-7=-841/241, 7-8=-1683/306, 8-9=-958/203
BOT CHORD 2-20=-190/674, 3-19=-955/256, 17-18=-93/324, 4-17=-132/738, 16-17=-451/1490, 15-16=-87/567, 14-15=-185/1324, 13-14=-37/289, 7-14=-29/655, 8-12=-849/100, 9-11=-74/596
WEBS 3-17=-207/673, 17-19=-243/1045, 4-16=-976/462, 5-16=-115/361, 6-15=-129/377, 7-15=-851/301, 8-14=-88/602, 12-14=-82/926

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-6-0 to 1-6-0, Zone1 1-6-0 to 9-0-0, Zone3 9-0-0 to 11-0-0, Zone2 11-0-0 to 15-2-15, Zone1 15-2-15 to 21-6-0 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) 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 204 lb uplift at joint 2 and 204 lb uplift at joint 9.

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Date:

October 12,2024

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Job	Truss	Truss Type	Qty	Ply	IC CONST. - TEPEDINO ADDITION T35237784
4276461	T03	Hip Girder	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Sep 25 2024 MiTek Industries, Inc. Fri Oct 11 06:01:25 2024 Page 1
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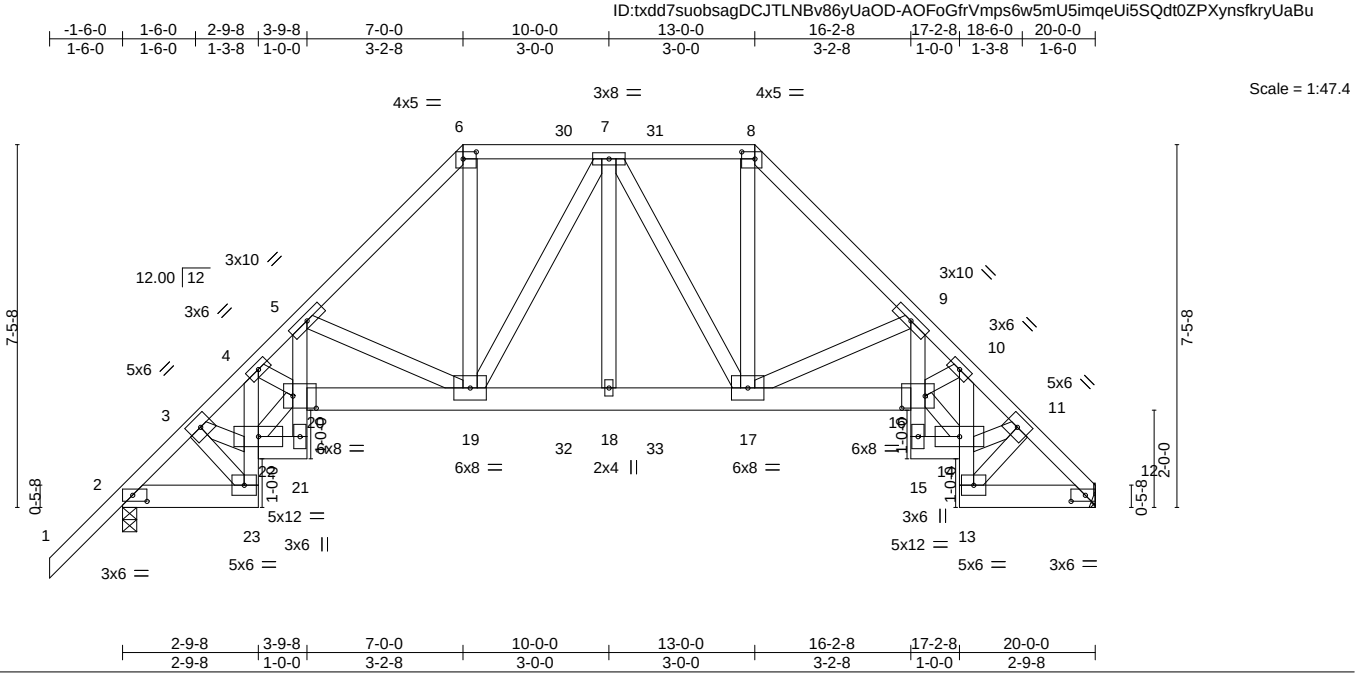

Plate Offsets (X,Y)-- [2:0-3-9,0-1-8], [6:0-3-4,0-1-12], [8:0-3-4,0-1-12], [12:0-3-9,0-1-8], [16:0-5-12,0-3-0], [20:0-5-12,0-3-0]

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)	0.18	18	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.86	Vert(CT)	-0.23	18	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.96	Horz(CT)	0.28	12	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 164 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except* 4-23,5-21,9-15,10-13: 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-7-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-5-5 oc bracing.

REACTIONS. (size) 12=Mechanical, 2=0-3-8
Max Horz 2=199(LC 26)
Max Uplift 12=-783(LC 9), 2=-824(LC 8)
Max Grav 12=1482(LC 1), 2=1569(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1998/1070, 3-4=-2888/1587, 4-5=-4421/2447, 5-6=-2501/1468, 6-7=-1791/1114, 7-8=-1745/1073, 8-9=-2473/1437, 9-10=-4269/2281, 10-11=-2856/1547, 11-12=-2026/1099
BOT CHORD 2-23=-797/1451, 22-23=-711/1327, 4-22=-1675/925, 21-22=-205/364, 20-21=-205/388, 5-20=-995/1917, 19-20=-1802/3318, 18-19=-1090/1937, 17-18=-1090/1937, 16-17=-1593/3098, 15-16=-184/368, 9-16=-877/1805, 14-15=-181/341, 13-14=-643/1258, 10-14=-1565/812, 12-13=-713/1367
WEBS 3-23=-1657/920, 3-22=-1018/1872, 20-22=-1448/2688, 4-20=-708/1284, 5-19=-1677/962, 6-19=-918/1571, 7-19=-297/244, 7-18=-200/302, 7-17=-292/235, 8-17=-929/1574, 9-17=-1571/869, 14-16=-1276/2518, 10-16=-621/1205, 11-14=-893/1743, 11-13=-1550/814

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=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) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 783 lb uplift at joint 12 and 824 lb uplift at joint 2.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 62 lb down and 43 lb up at 7-0-0, 62 lb down and 40 lb up at 9-0-12, and 62 lb down and 40 lb up at 10-11-4, and 62 lb down and 43 lb up at 13-0-0 on top chord, and 603 lb down and 449 lb up at 7-0-0, 203 lb down and 169 lb up at 9-0-12, and 203 lb down and 169 lb up at 10-11-4, and 603 lb down and 449 lb up at 12-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

Continued on page 2

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Date:

October 12,2024

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NOTES-

10) 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: 1-6=-54, 6-8=-54, 8-12=-54, 23-27=-20, 21-22=-20, 16-20=-20, 14-15=-20, 13-24=-20
   Concentrated Loads (lb)
   Vert: 19=-558(B) 17=-558(B) 32=-187(B) 33=-187(B)

Job	Truss	Truss Type	Qty	Ply	IC CONST. - TEPEDINO ADDITION T35237785
4276461	T04	Hip	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Sep 25 2024 MiTek Industries, Inc. Fri Oct 11 06:01:26 2024 Page 1
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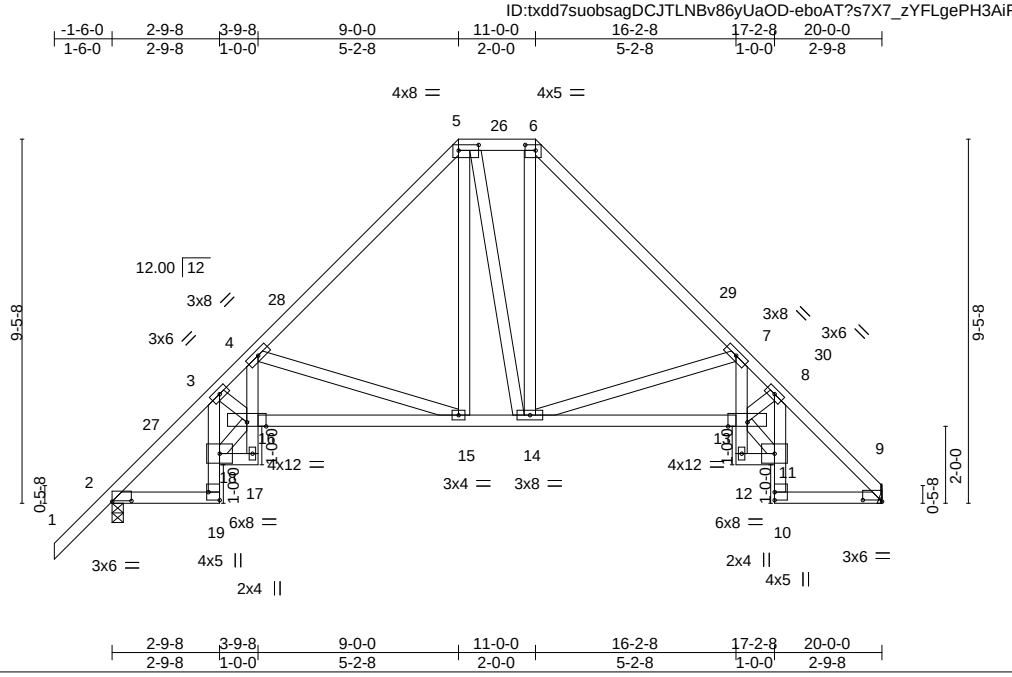

Plate Offsets (X,Y)-- [2:0-6-0,0-0-4], [5:0-6-4,0-1-12], [6:0-3-4,0-1-12], [9:0-6-0,0-0-7], [19:Edge,0-3-8]

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	0.32	Vert(LL)	-0.08	15-16	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.99	Vert(CT)	-0.18	15-16	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.61	Horz(CT)	0.24	9	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 143 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-4-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
2-2-0 oc bracing: 18-19,10-11
8-4-1 oc bracing: 15-16.

REACTIONS. (size) 9=Mechanical, 2=0-3-8
Max Horz 2=248(LC 9)
Max Uplift 9=-164(LC 13), 2=-205(LC 12)
Max Grav 9=737(LC 1), 2=824(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-962/205, 3-4=-1693/493, 4-5=-844/227, 5-6=-524/223, 6-7=-847/253, 7-8=-1726/361, 8-9=-986/217
BOT CHORD 2-19=-216/657, 3-18=-929/294, 16-17=-105/316, 4-16=-159/720, 15-16=-507/1453, 14-15=-107/545, 13-14=-249/1352, 12-13=-52/299, 7-13=-69/692, 8-11=-867/144, 9-10=-110/621
WEBS 3-16=-232/656, 16-18=-284/1017, 4-15=-961/486, 5-15=-121/356, 6-14=-137/373, 7-14=-876/370, 8-13=-111/599, 11-13=-136/960

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-6-0 to 1-6-0, Zone1 1-6-0 to 9-0-0, Zone3 9-0-0 to 11-0-0, Zone2 11-0-0 to 15-2-15, Zone1 15-2-15 to 20-0-0 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) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 164 lb uplift at joint 9 and 205 lb uplift at joint 2.

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Date:

October 12,2024

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Job	Truss	Truss Type	Qty	Ply	IC CONST. - TEPEDINO ADDITION T35237786
4276461	T05	Roof Special	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Sep 25 2024 MiTek Industries, Inc. Fri Oct 11 06:01:26 2024 Page 1
ID:txdd7suobsagDCJTLNBv86yUaOD-eboAT?s7X7_zYFLgePH3AiFlWqx8l1rhBRcCGHyUaBt

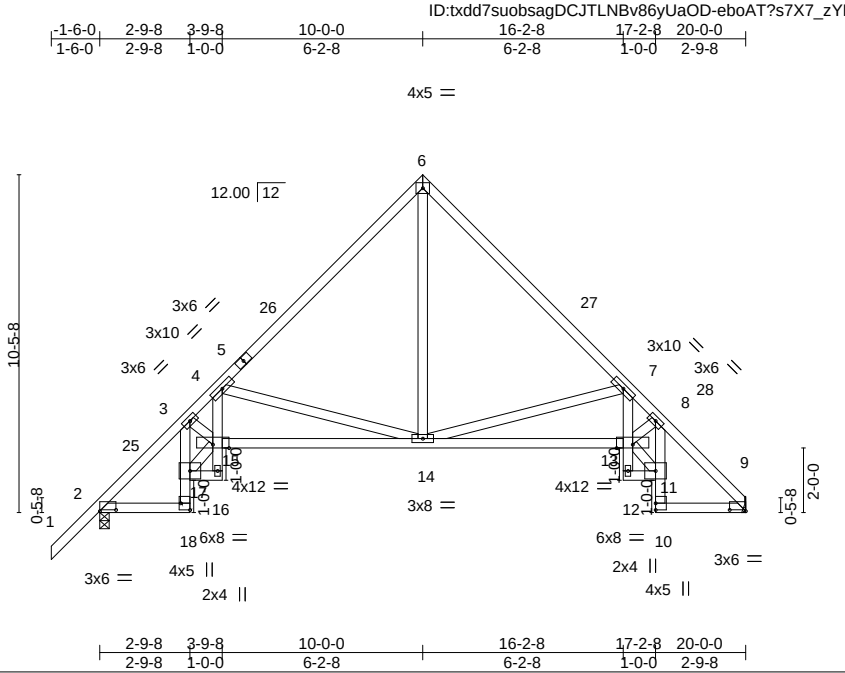

Plate Offsets (X,Y)-- [2:0-6-0,0-0-8], [9:0-6-0,0-0-7], [18:Edge,0-3-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.44	Vert(LL)	-0.09	13-14	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.98	Vert(CT)	-0.20	13-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.88	Horz(CT)	0.25	9	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 127 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 4-3-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
2-2-0 oc bracing: 17-18,10-11
7-10-5 oc bracing: 14-15.

REACTIONS. (size) 9=Mechanical, 2=0-3-8
Max Horz 2=272(LC 9)
Max Uplift 9=-157(LC 12), 2=-198(LC 12)
Max Grav 9=737(LC 1), 2=824(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-962/205, 3-4=-1699/487, 4-6=-805/206, 6-7=-805/262, 7-8=-1722/380, 8-9=-985/241
BOT CHORD 2-18=-223/686, 3-17=-961/290, 15-16=-110/332, 4-15=-128/716, 14-15=-569/1565, 13-14=-276/1385, 12-13=-56/299, 7-13=-67/671, 8-11=-859/150, 9-10=-116/620
WEBS 3-15=-281/727, 15-17=-276/1047, 4-14=-1073/569, 6-14=-178/636, 7-14=-941/438, 8-13=-128/629, 11-13=-142/950

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-6-0 to 1-6-0, Zone1 1-6-0 to 10-0-0, Zone2 10-0-0 to 14-2-15, Zone1 14-2-15 to 20-0-0 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.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 157 lb uplift at joint 9 and 198 lb uplift at joint 2.

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Date:

October 12,2024

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Job	Truss	Truss Type	Qty	Ply	IC CONST. - TEPEDINO ADDITION T35237787
4276461	T06	Roof Special	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Sep 25 2024 MiTek Industries, Inc. Fri Oct 11 06:01:27 2024 Page 1
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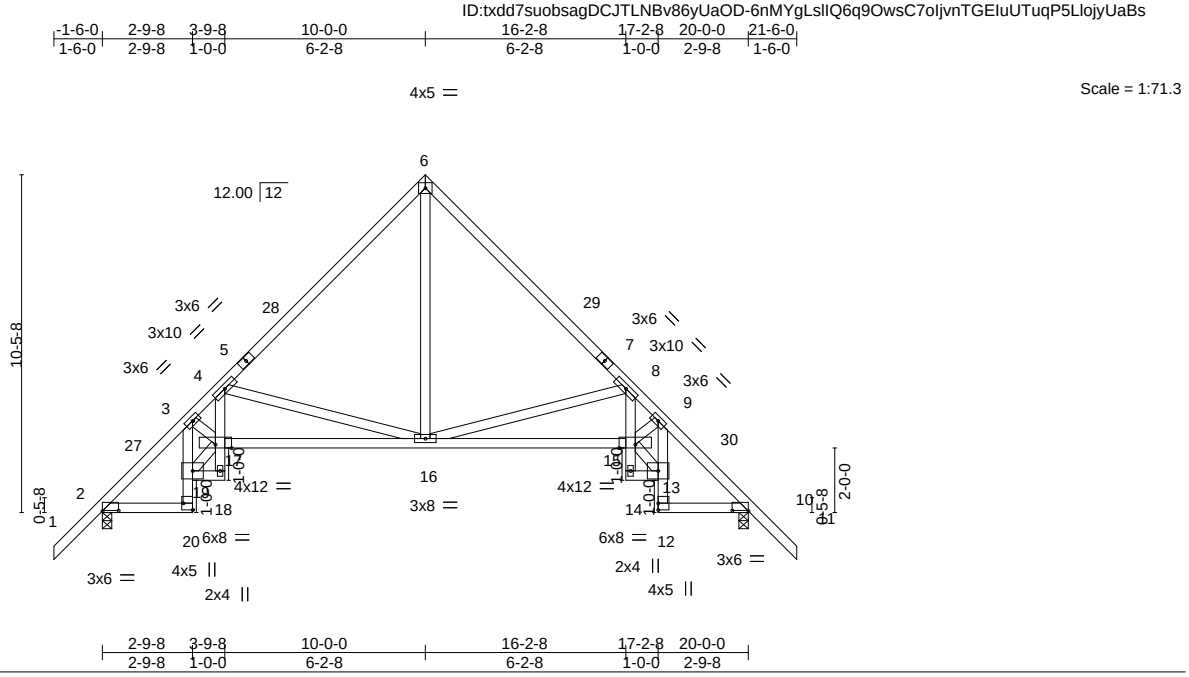

Plate Offsets (X,Y)-- [2:0-6-0,0-0-4], [10:0-6-0,0-0-4], [20:Edge,0-3-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.44	Vert(LL)	-0.09	15-16	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.95	Vert(CT)	-0.20	15-16	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.90	Horz(CT)	0.25	10	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 130 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 4-3-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
2-2-0 oc bracing: 19-20,12-13
8-3-3 oc bracing: 16-17.

REACTIONS. (size) 2=0-3-8, 10=0-3-8
Max Horz 2=-284(LC 10)
Max Uplift 2=-197(LC 12), 10=-197(LC 13)
Max Grav 2=821(LC 1), 10=821(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-957/196, 3-4=-1723/446, 4-6=-800/193, 6-8=-800/251, 8-9=-1680/325, 9-10=-957/214
BOT CHORD 2-20=-197/703, 3-19=-986/252, 17-18=-98/340, 4-17=-101/734, 16-17=-514/1602, 15-16=-212/1357, 14-15=-40/289, 8-15=-26/650, 9-13=-841/107, 10-12=-81/594
WEBS 3-17=-256/744, 17-19=-234/1074, 4-16=-1090/545, 6-16=-162/629, 8-16=-916/367, 9-15=-105/631, 13-15=-88/915

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-6-0 to 1-6-0, Zone1 1-6-0 to 10-0-0, Zone2 10-0-0 to 14-2-15, Zone1 14-2-15 to 21-6-0 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.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 197 lb uplift at joint 2 and 197 lb uplift at joint 10.

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Date:

October 12,2024

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Job	Truss	Truss Type	Qty	Ply	IC CONST. - TEPEDINO ADDITION
4276461	T07	Common	2	1	T35237788

Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Sep 25 2024 MiTek Industries, Inc. Fri Oct 11 06:01:28 2024 Page 1

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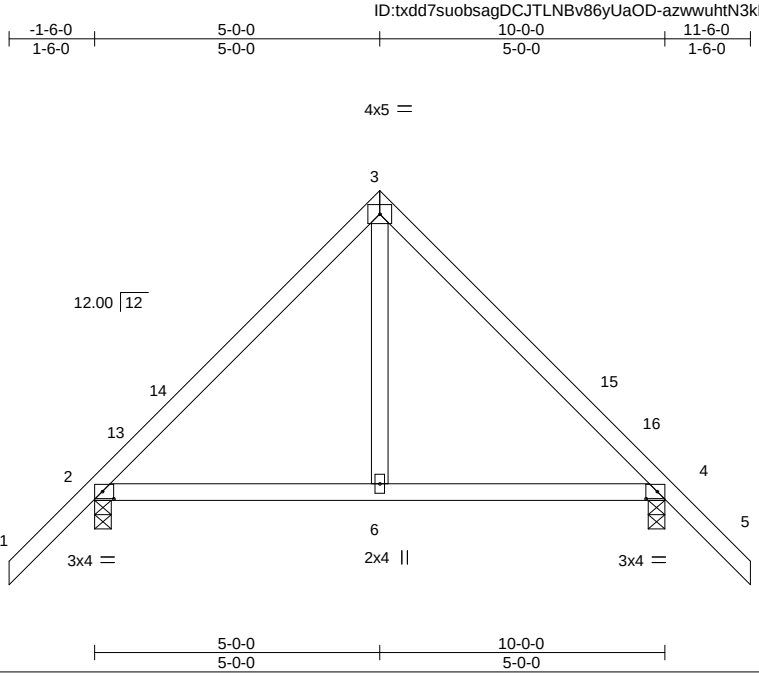

Plate Offsets (X,Y)-- [2:0-2-6,0-1-8], [4:0-2-6,0-1-8]

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	0.28	Vert(LL)	0.03	6-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.25	Vert(CT)	-0.03	6-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 50 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS. (size) 2=0-3-8, 4=0-3-8
Max Horz 2=-161(LC 10)
Max Uplift 2=-119(LC 12), 4=-119(LC 13)
Max Grav 2=451(LC 1), 4=451(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-371/156, 3-4=-371/156

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-6-0 to 1-6-0, Zone1 1-6-0 to 5-0-0, Zone2 5-0-0 to 9-2-15, Zone1 9-2-15 to 11-6-0 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.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 119 lb uplift at joint 2 and 119 lb uplift at joint 4.

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Job	Truss	Truss Type	Qty	Ply	IC CONST. - TEPEDINO ADDITION T35237789
4276461	T08	Common Girder	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Sep 25 2024 MiTek Industries, Inc. Fri Oct 11 06:01:28 2024 Page 1
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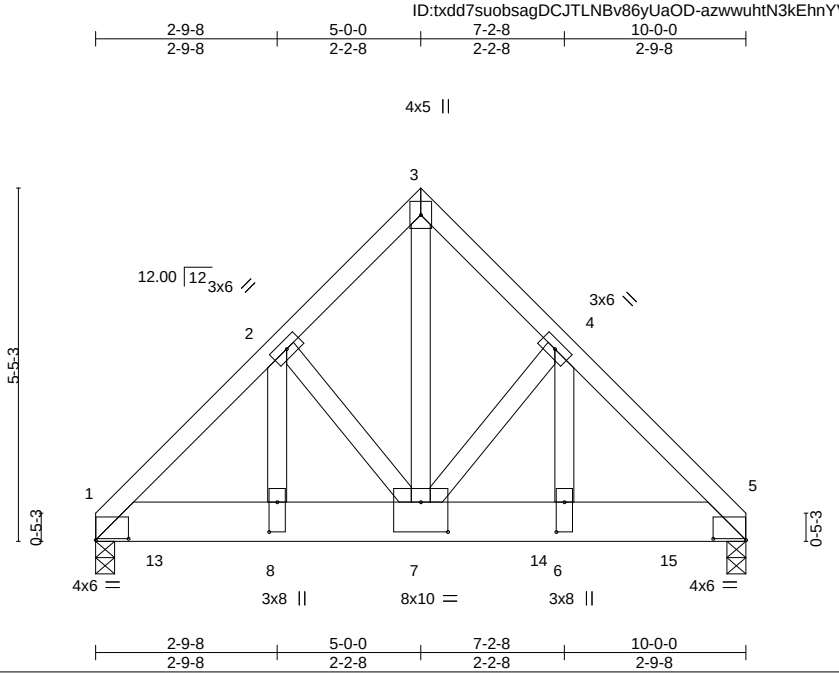

Plate Offsets (X,Y)-- [1:0-6-1,0-0-4], [5:0-6-1,0-0-4], [6:0-5-8,0-1-8], [7:0-5-0,0-5-8], [8:0-5-8,0-1-8]

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	0.20	Vert(LL)	-0.03	7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.22	Vert(CT)	-0.06	7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.88	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 75 lb	FT = 20%

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

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

REACTIONS. (size) 1=0-3-8, 5=0-3-8
Max Horz 1=124(LC 28)
Max Uplift 1=-731(LC 8), 5=-497(LC 9)
Max Grav 1=2336(LC 1), 5=1580(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2438/858, 2-3=-1771/733, 3-4=-1770/734, 4-5=-2013/709
BOT CHORD 1-8=-611/1700, 7-8=-611/1700, 6-7=-457/1386, 5-6=-457/1386
WEBS 3-7=-961/2315, 2-7=-735/280, 2-8=-241/930

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=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) 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 731 lb uplift at joint 1 and 497 lb uplift at joint 5.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 718 lb down and 176 lb up at 0-11-4, 717 lb down and 184 lb up at 2-11-4, 1462 lb down and 803 lb up at 4-11-4, and 177 lb down at 6-10-3, and 101 lb down at 8-10-3 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
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-5=-54, 1-5=-20
Concentrated Loads (lb)
Vert: 7=-1462(B) 8=-717(B) 13=-718(B) 14=-177(B) 15=-101(B)

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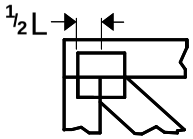
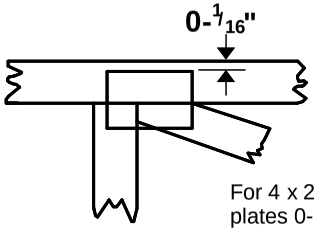
Symbols

PLATE LOCATION AND ORIENTATION



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



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

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

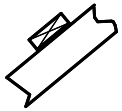
* Plate location details available in MiTek software or upon request.

PLATE SIZE

4 x 4

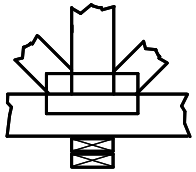
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

BEARING

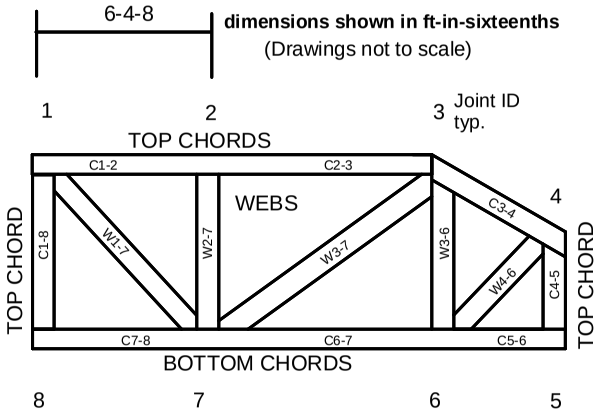


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number/letter where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-22: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



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

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

Product Code Approvals

ICC-ES Reports:

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

Design General Notes

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

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

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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.