



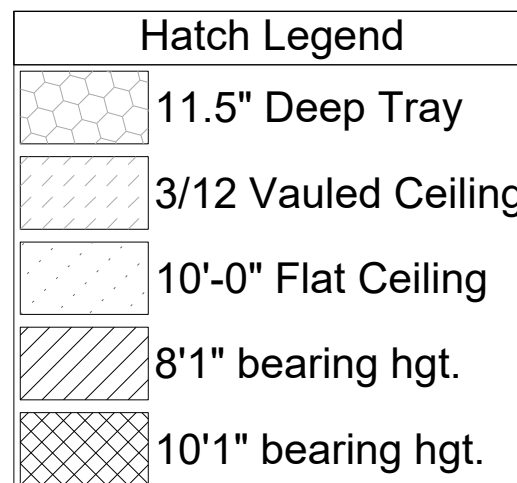
Floor: Load: 55# psf; 40 TCLL, 10 TCDL, 00 BCLL, 05 BCDL; Dur.: 1.00
Design checked for 10 psf non-concurrent LL on BC.

Roof: Load: 37# psf; 20 TCLL, 07 TCDL, 00 BCLL, 10 BCDL; Dur.: 1.25
Design checked for 10 psf non-concurrent LL on BC

UPLIFT SUMMARY	1		11		21	
	2		12		22	
	3		13		23	
	4		14		24	
	5		15		25	
	6		16		26	
	7		17		27	
	8		18		28	
	9		19		29	
	10		20		30	
Only points listed above have reactions > 5000# or Uplift > 1000#. Values shown on the sealed Truss Design Drawings supersede the above						

Client Info	Client:	Adams Homes
	Project:	Model :2265-CR-Tray-Frame
	Address:	
		Lot # 13 Forest Country Lake City, Florida

Rev.						
Date	:	11/19/21	Scale	:	1/4" = 1'-0"	D= 1/4"
Revised	:	.	Drawn By	:	Steve R.	
Sheet #	:	1 of 1	Job #	:	613840	



Please Print	Name	Employed By	Approval Date
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Lumber design values are in accordance with ANSI/TPI 1 section 6.3
These truss designs rely on lumber values established by others.

RE: 613840 - 2265-Cr-Tray

MiTek USA, Inc.
6904 Parke East Blvd.
Tampa, FL 33610-4115

Site Information:

Customer Info: Adams Homes-Gainesville Project Name: - Model: 2265-CR-Tray
Lot/Block: 13 Subdivision: Forest Country
Address: SW Pinehurst Dr. , SW Pinehurst Dr.
City: Lake City State: FL

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

Name: License #:
Address:
City: State:

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

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

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

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

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	T26099152	A1	11/29/21	23	T26099174	CJ3	11/29/21
2	T26099153	A2	11/29/21	24	T26099175	CJ3T	11/29/21
3	T26099154	A3	11/29/21	25	T26099176	CJ5	11/29/21
4	T26099155	A4	11/29/21	26	T26099177	CJ5T	11/29/21
5	T26099156	A5	11/29/21	27	T26099178	E01X	11/29/21
6	T26099157	A6	11/29/21	28	T26099179	E02	11/29/21
7	T26099158	A7	11/29/21	29	T26099180	E02X	11/29/21
8	T26099159	A8	11/29/21	30	T26099181	E03	11/29/21
9	T26099160	A9	11/29/21	31	T26099182	EJ7	11/29/21
10	T26099161	A10	11/29/21	32	T26099183	EJ7T	11/29/21
11	T26099162	A11	11/29/21	33	T26099184	EJ7V	11/29/21
12	T26099163	A12	11/29/21	34	T26099185	EJ7W	11/29/21
13	T26099164	A13	11/29/21	35	T26099186	EJ7X	11/29/21
14	T26099165	A14	11/29/21	36	T26099187	EJ7Y	11/29/21
15	T26099166	A15	11/29/21	37	T26099188	EJ7Z	11/29/21
16	T26099167	A16	11/29/21	38	T26099189	HJ1	11/29/21
17	T26099168	A17	11/29/21	39	T26099190	HJ1T	11/29/21
18	T26099169	A18	11/29/21	40	T26099191	PB1	11/29/21
19	T26099170	A19	11/29/21				
20	T26099171	B1	11/29/21				
21	T26099172	B1X	11/29/21				
22	T26099173	CJ1	11/29/21				

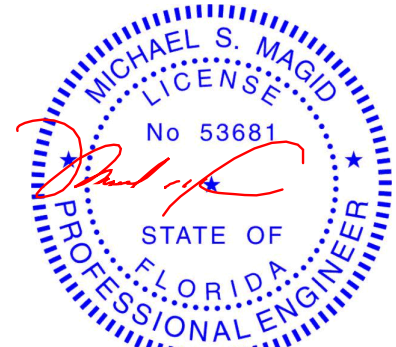


The truss drawing(s) referenced above have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Tibbetts Lumber Co., LLC.

Truss Design Engineer's Name: Magid, Michael

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.



Michael S. Magid PE No.53681
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

November 29, 2021



RE: \$JOBNAME - \$JOBDESC

MiTek USA, Inc.
6904 Parke East Blvd.
Tampa, FL 33610-4115

Site Information:

Customer Info: \$SI_CUSTOMER Project Name: \$SI_JOBNAME Model: \$SI_MODEL
Lot/Block: \$SI_LOTNUM Subdivision: \$SI_SUBDIV
Address: \$SI_SITEADDR
City: \$SI_SITECITY State: \$SI_SITESTATE

Job 613840	Truss A1	Truss Type Half Hip Girder	Qty 1	Ply 2	2265-Cr-Tray	T26099152
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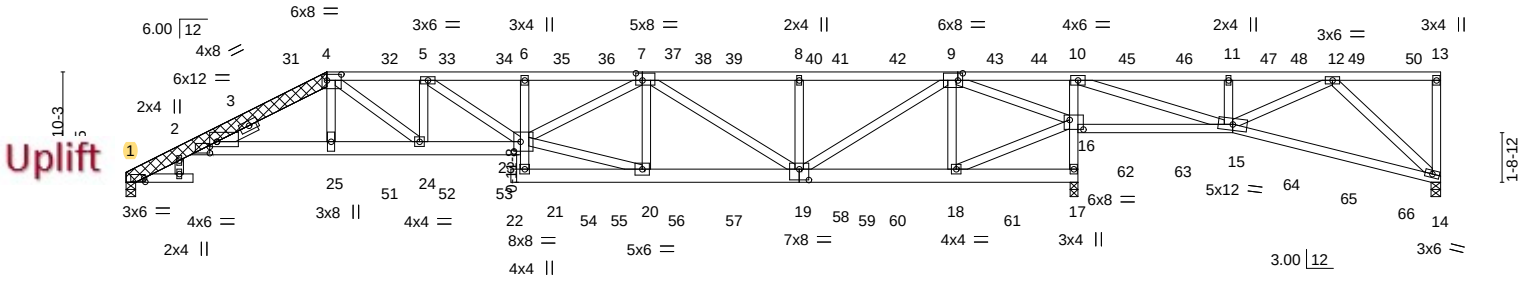
Tibbetts Lumber Co., LLC, Ocala, FL - 34472,

8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Nov 29 06:52:23 2021 Page 1

ID:BVCP0onomzlvFXJ68ELDtZyqlf8-tfixGSpl5nBQeT4QfQm?hhMzBdtccmPnL_iB2yEOzs

2-0-0-2-4-0 2-0-0-0-4-0	7-0-0 4-8-0	10-4-8 3-4-8	13-9-0 3-4-8	18-1-11 4-4-11	23-5-10 5-3-15	28-9-9 5-3-15	33-2-4 4-4-11	38-7-0 5-4-12	42-0-12 3-5-12	45-10-0 3-9-4
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Scale = 1:80.3



Job	Truss	Truss Type	Qty	Ply	2265-Cr-Tray	T26099152
613840	A1	Half Hip Girder	1	2	Job Reference (optional)	

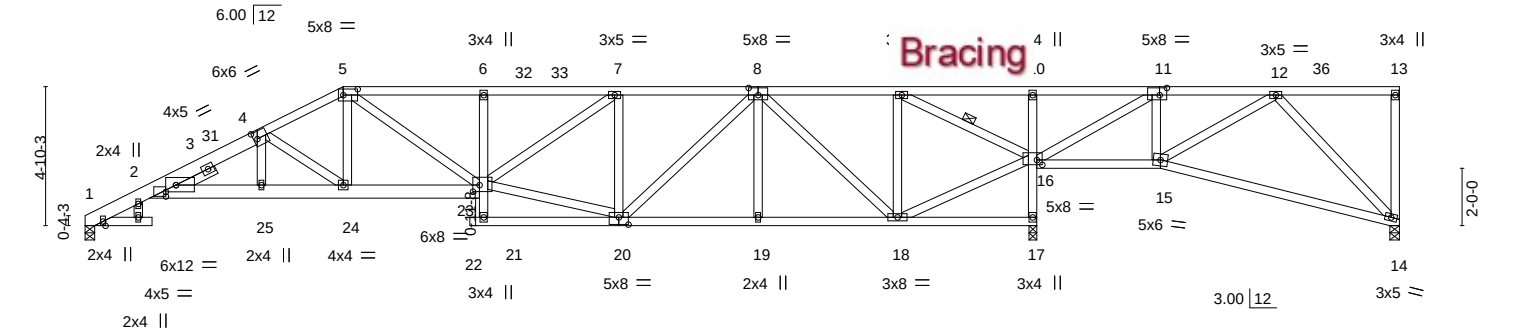
- NOTES-**
- 9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 10) Bearing at joint(s) 1, 14 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 649 lb uplift at joint 1, 27 lb uplift at joint 14 and 473 lb uplift at joint 17.
- 12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 215 lb down and 943 lb up at 7-0-0, 98 lb down and 57 lb up at 9-0-12, 98 lb down and 57 lb up at 11-0-12, 98 lb down and 57 lb up at 13-0-12, 106 lb down and 67 lb up at 15-0-12, 106 lb down and 67 lb up at 17-0-12, 106 lb down and 67 lb up at 19-0-12, 106 lb down and 67 lb up at 21-0-12, 106 lb down and 67 lb up at 22-11-0, 106 lb down and 67 lb up at 24-9-4, 106 lb down and 67 lb up at 26-9-4, 106 lb down and 67 lb up at 28-9-4, 106 lb down and 67 lb up at 30-9-4, 106 lb down and 67 lb up at 32-9-4, 105 lb down and 66 lb up at 34-9-4, 105 lb down and 66 lb up at 36-9-4, 105 lb down and 66 lb up at 38-9-4, 110 lb down and 36 lb up at 40-9-4, 108 lb down and 55 lb up at 42-9-4, and 112 lb down and 66 lb up at 44-9-4, and 141 lb down and 64 lb up at 45-8-4 on top chord, and 1242 lb down and 110 lb up at 7-0-0, 82 lb down at 9-0-12, 82 lb down at 11-0-12, 82 lb down at 13-0-12, 85 lb down at 15-0-12, 85 lb down at 17-0-12, 85 lb down at 19-0-12, 85 lb down at 21-0-12, 85 lb down at 22-11-0, 85 lb down at 24-9-4, 85 lb down at 26-9-4, 85 lb down at 28-9-4, 85 lb down at 30-9-4, 85 lb down at 33-0-8, 83 lb down at 34-9-4, 83 lb down at 36-9-4, 83 lb down at 38-7-0, 62 lb down and 23 lb up at 40-9-4, and 62 lb down at 42-9-4, and 82 lb down at 44-9-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

- LOAD CASE(S)** Standard
- 1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
- Uniform Loads (plf)
- Vert: 1-30=-76, 4-30=-54, 4-13=-54, 2-23=-20, 21-22=-20, 17-21=-20, 15-16=-20, 14-15=-20
- Concentrated Loads (lb)
- Vert: 4=231(B) 13=-141(B) 17=-61(B) 10=-106(B) 15=-62(B) 25=-1232(B) 18=-61(B) 9=-106(B) 32=-98(B) 33=-98(B) 34=-98(B) 35=-106(B) 37=-106(B) 38=-106(B) 39=-106(B) 40=-106(B) 41=-106(B) 42=-106(B) 44=-106(B) 45=-105(B) 46=-105(B) 47=-105(B) 48=-105(B) 49=-108(B) 50=-112(B) 51=-72(B) 52=-72(B) 53=-72(B) 54=-61(B) 55=-61(B) 56=-61(B) 57=-61(B) 58=-61(B) 59=-61(B) 60=-61(B) 61=-61(B) 62=-62(B) 63=-62(B) 64=-62(B) 65=-59(B) 66=-59(B)

Job 613840	Truss A2	Truss Type Half Hip	Qty 1	Ply 1	2265-Cr-Tray	T26099153
Tibbetts Lumber Co., LLC, Ocala, FL - 34472,						8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Nov 29 06:52:48 2021 Page 1
Job Reference (optional)						ID:BVCP0onomzlvFXJ68ELDtZyqlf8-fSJOW?6RCSLt8JUeDAjtCyuGtGBGzq95XkXXa6yEOzT

2-0-0 2-4-0 2-0-0 0-4-0	6-1-13 3-9-12	9-0-0 2-10-3	13-9-0 4-9-0	18-7-5 4-10-5	23-5-10 4-10-5	28-3-15 4-10-5	33-2-4 4-10-5	37-6-0 4-3-12	41-6-4 4-0-4	45-10-0 4-3-12
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Scale = 1:80.3



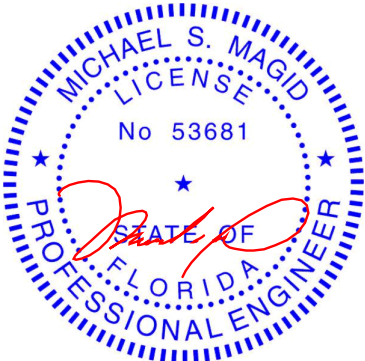
2-0-0 2-4-0 2-0-0 0-4-0	6-1-13 3-9-12	9-0-0 2-10-3	13-9-0 4-9-0	18-7-5 4-10-5	23-5-10 4-10-5	28-3-15 4-10-5	33-2-4 4-10-5	37-6-0 4-3-12	45-10-0 8-4-0
Plate Offsets (X,Y)-- [2:0-4-4,0-4-12], [2:0-4-4,0-2-14], [4:0-1-8,0-3-0], [5:0-6-0,0-2-8], [8:0-4-0,0-3-0], [11:0-3-0,0-3-0], [16:0-2-4,0-2-0], [20:0-4-0,0-3-0], [23:0-2-12,0-2-12]									
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.77	Vert(LL)	-0.22	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.62	Vert(CT)	-0.41		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.92	Horz(CT)	0.22		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS		Wind(LL)	0.14	Weight: 290 lb	FT = 20%

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2 *Except* 1-4: 2x6 SP DSS	TOP CHORD	Structural wood sheathing directly applied or 3-8-4 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2 *Except* 2-23: 2x6 SP DSS	BOT CHORD	Rigid ceiling directly applied or 3-10-9 oc bracing. Except:
WEBS	2x4 SP No.2	WEBS	10-0-0 oc bracing: 21-23
SLIDER	Left 2x4 SP No.2 1-6-0		1 Row at midpt 9-16

REACTIONS.	
(size)	14=0-4-0, 1=0-4-0, 17=0-3-4
Max Horz	1=109(LC 12)
Max Uplift	14=-42(LC 9), 1=-24(LC 12), 17=-119(LC 12)
Max Grav	14=138(LC 22), 1=1100(LC 1), 17=2213(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	1-2=-485/0, 2-4=-2860/264, 4-5=-2167/207, 5-6=-2237/216, 6-7=-2218/213, 7-8=-1619/130, 8-9=-280/0, 9-10=-175/1790, 10-11=-179/1803, 11-12=-97/632
BOT CHORD	2-25=-305/2635, 24-25=-306/2664, 23-24=-198/1917, 6-23=-275/107, 19-20=-75/1111, 18-19=-75/1111, 16-17=-2171/197, 10-16=-270/78, 15-16=-638/97
WEBS	4-25=-14/406, 4-24=-912/147, 5-24=-18/549, 5-23=-23/505, 20-23=-123/1459, 7-23=-104/746, 7-20=-704/139, 8-20=-75/696, 8-18=-1227/111, 9-18=-14/840, 16-18=-4/326, 9-16=-2281/192, 11-16=-1346/98, 11-15=0/462, 12-15=-653/120

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=6.0psf; h=15ft; B=45ft; L=46ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-2-0 to 4-9-0, Interior(1) 4-9-0 to 9-0-0, Exterior(2R) 9-0-0 to 15-5-12, Interior(1) 15-5-12 to 45-8-4 zone; cantilever 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)	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)	Bearing at joint(s) 14, 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8)	Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 42 lb uplift at joint 14, 24 lb uplift at joint 1 and 119 lb uplift at joint 17.

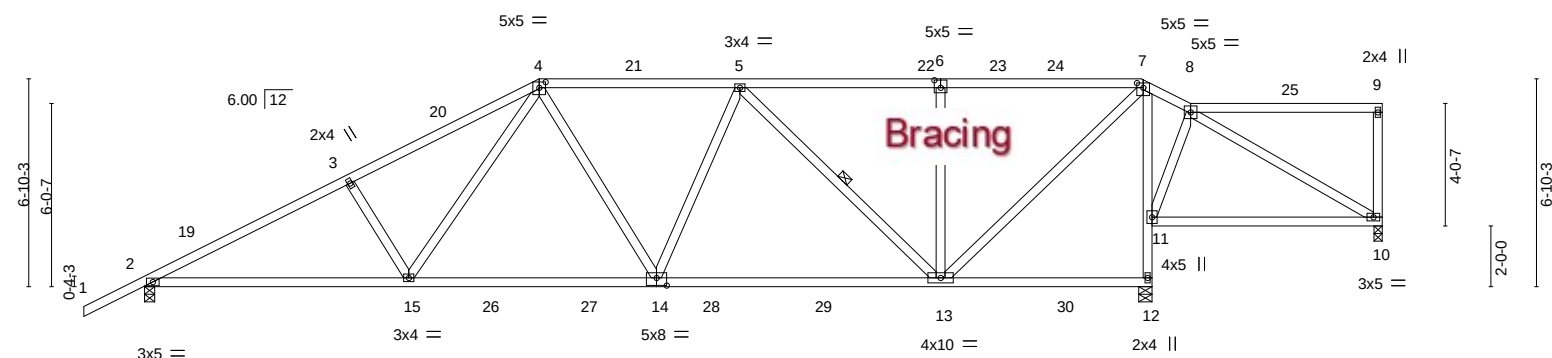


Michael S. Magid PE No.53681
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

November 29,2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601		 6904 Parke East Blvd. Tampa, FL 33610
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Tibbetts Lumber Co., LLC, Ocala, FL - 34472, 8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Nov 29 06:52:51 2021 Page 1
ID:BVCP0oonmzlvFXJ68ELDtZyqlf8-31_X809JVnJS?mDpllGaqbWruT78AKTXDimBBQyEOZQ
34-5-8
-2-0-0 | 6-9-4 | 13-0-0 | 19-7-5 | 26-2-11 | 32-10-0 | 33-2-4 | 40-9-4
2-0-0 | 6-9-4 | 6-2-12 | 6-7-5 | 6-7-5 | 6-7-5 | 0-4-4 | 6-3-12
1-3-4
Scale = 1:75.5



	8-8-7	16-10-6	26-2-11	33-2-4	40-9-4
	8-8-7	8-1-15	9-4-5	6-11-9	7-7-0
Plate Offsets (X,Y)--	[4:0-2-8,0-2-4], [6:0-2-8,0-3-0], [7:0-2-8,0-1-14], [14:0-4-0,0-3-0]				

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 0.46	Vert(LL) -0.26 13-14	>999	360	MT20	244/190
TCDL 7.0		Lumber DOL 1.25	BC 0.99	Vert(CT) -0.45 13-14	>876	240		
BCLL 0.0 *		Rep Stress Incr YES	WB 0.37	Horz(CT) 0.07 12	n/a	n/a		
BCDL 10.0		Code FBC2020/TPI2014	Matrix-MS	Wind(LL) 0.06 14-15	>999	240	Weight: 232 lb	FT = 20%

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 3-2-15 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS	2x4 SP No.2	WEBS	1 Row at midnt 5-13

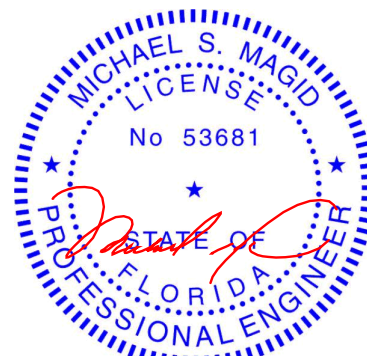
REACTIONS. (size) 10=0-3-4, 2=0-4-0, 12=0-5-4
 Max Horz 2=173(LC 12)
 Max Uplift 10=-22(LC 9), 2=-105(LC 12), 12=-85(LC 12)
 Max Grav 10=214(LC 24), 2=1494(LC 17), 12=1833(LC 17)

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

TOP CHORD	2-3=-2531/179, 3-4=-2395/193, 4-5=-1769/155, 5-6=-1139/105, 6-7=-1139/105
BOT CHORD	2-15=-263/2266, 14-15=-174/1684, 13-14=-152/1680, 11-12=-1715/186, 7-11=-1392/166
WEBS	3-15=-346/143, 4-15=-29/740, 4-14=0/297, 5-14=-23/274, 5-13=-755/98, 6-13=-372/124, 7-13=-120/1690

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=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl. G Cp=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-0 to 1-0-0, Interior(1) 1-0-0 to 13-0-0, Exterior(2R) 13-0-0 to 16-0-0, Interior(1) 16-0-0 to 32-10-12, Exterior(2E) 32-10-12 to 34-5-8, Interior(1) 34-5-8 to 40-7-8 zone; cantilever 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) 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 22 lb uplift at joint 10, 105 lb uplift at joint 2 and 85 lb uplift at joint 12.



Michael S. Magid PE No.53681
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

November 29, 2021



Design valid for use only with MITEK® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personnel injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Code**

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



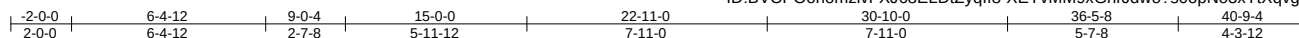
6904 Parke East Blvd
Tampa, FL 36610

Job 613840	Truss A5	Truss Type Roof Special	Qty 1	Ply 1	2265-Cr-Tray T26099156
Job Reference (optional)					

Tibbetts Lumber Co., LLC, Ocala, FL - 34472,

8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Nov 29 06:52:52 2021 Page 1

ID:BVCP0onmzlvFXJ68ELDtZyqlf8-XEYvMM9xGhrJdwo?s0opNo3xYtXqvg5hSMVljtyEOzP



Scale = 1:75.9

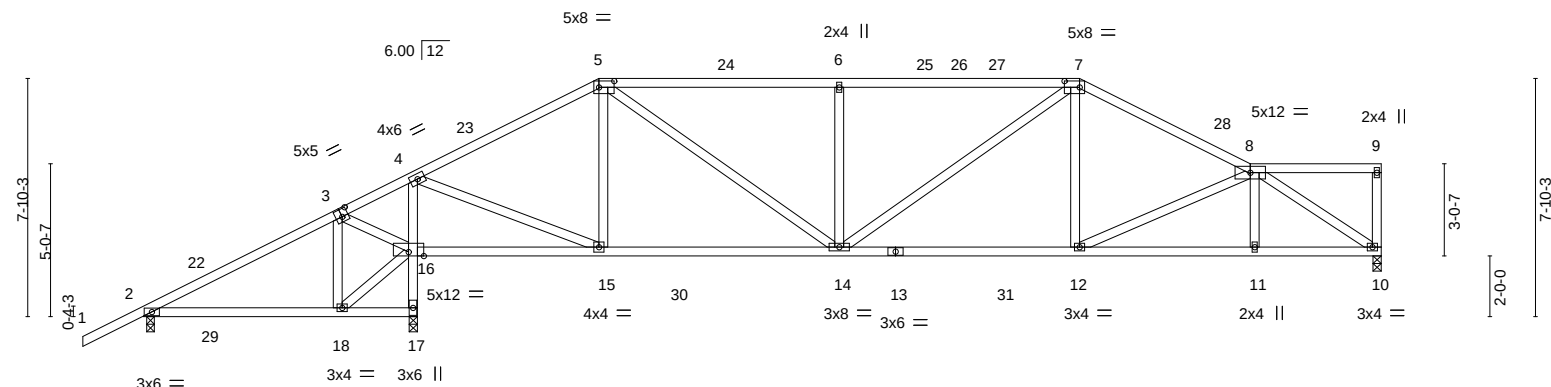


Plate Offsets (X,Y)--	[3:0-2-8,0-3-0], [5:0-6-0,0-2-8], [7:0-6-0,0-2-8]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.72	Vert(LL)	-0.15 12-14	>999	360	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.71	Vert(CT)	-0.28 12-14	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.80	Horz(CT)	0.05 10	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MS	Wind(LL)	0.08 18-21	>999	240	Weight: 230 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-2-10 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-3-14 oc bracing.

REACTIONS.

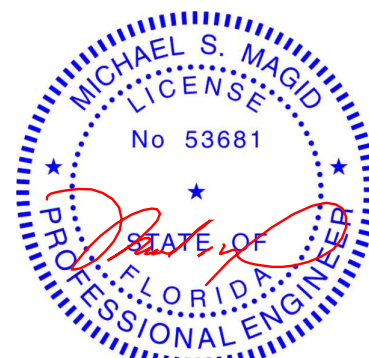
(size) 10=0-3-4, 17=0-3-4, 2=0-3-0
Max Horz 2=149(LC 12)
Max Uplift 10=-54(LC 12), 17=-184(LC 12), 2=-116(LC 12)
Max Grav 10=1276(LC 18), 17=1859(LC 17), 2=329(LC 21)

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

TOP CHORD 3-4=-116/606, 4-5=-1227/128, 5-6=-1808/212, 6-7=-1808/212, 7-8=-1832/185
BOT CHORD 16-17=-1875/417, 4-16=-1579/217, 15-16=-491/69, 14-15=-66/1059, 12-14=-121/1592, 11-12=-151/1719, 10-11=-148/1727
WEBS 3-18=-90/279, 3-16=-537/244, 4-15=-130/1615, 5-15=-376/137, 5-14=-90/962, 6-14=-492/158, 7-14=-19/380, 7-12=0/364, 8-10=-2040/176

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=41ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-0 to 2-0-15, Interior(1) 2-0-15 to 15-0-0, Exterior(2R) 15-0-0 to 19-0-15, Interior(1) 19-0-15 to 30-10-0, Exterior(2R) 30-10-0 to 34-10-15, Interior(1) 34-10-15 to 40-7-8 zone; cantilever left and right exposed ; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 54 lb uplift at joint 10, 184 lb uplift at joint 17 and 116 lb uplift at joint 2.



Michael S. Magid PE No.53681
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

November 29,2021

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

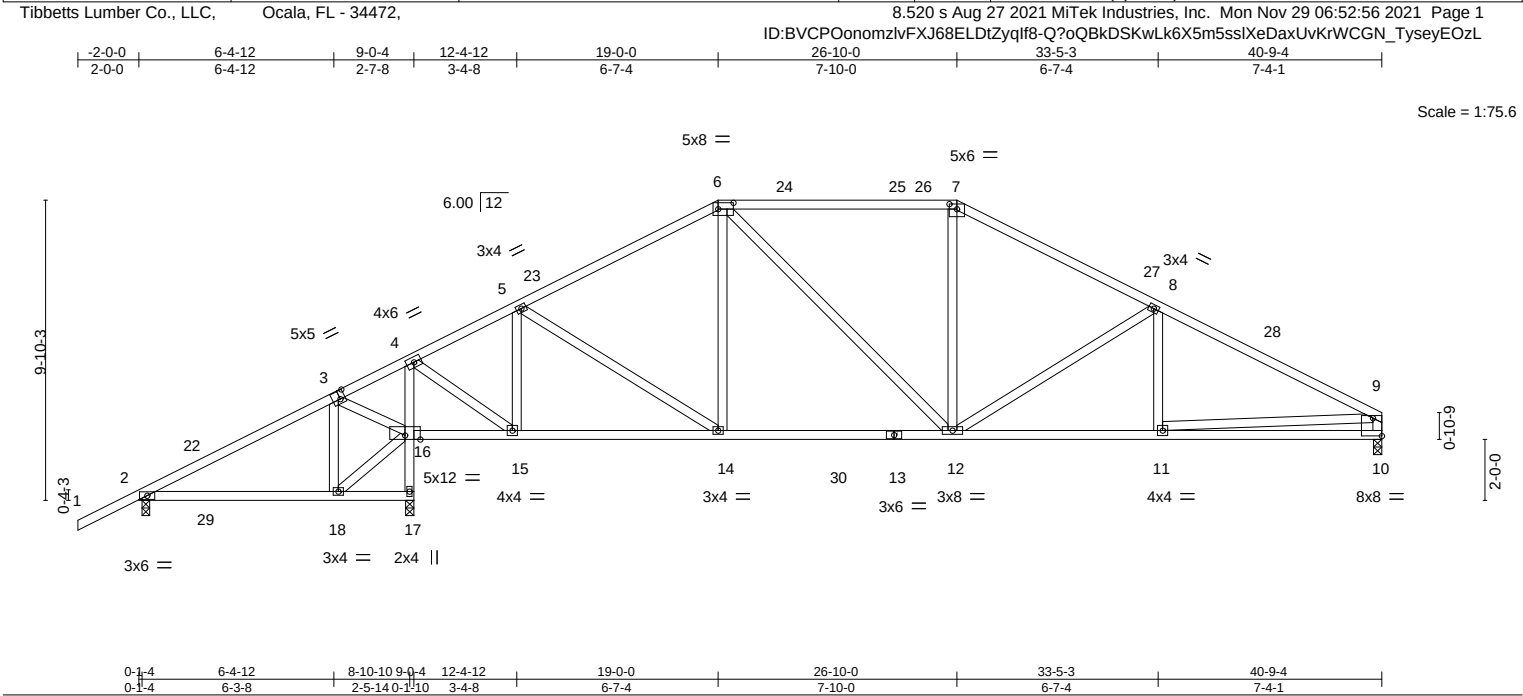
Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



6904 Parke East Blvd.
Tampa, FL 33610

6904 Parke East Blvd
Tampa, FL 36610

Job 613840	Truss A7	Truss Type Hip	Qty 1	Ply 1	2265-Cr-Tray	T26099158
Tibbetts Lumber Co., LLC, Ocala, FL - 34472,						8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Nov 29 06:52:56 2021 Page 1
Job Reference (optional)						ID:BVCP0o0mzlvFXJ68ELDtZyqlf8-Q?oQBkDSKwLk6X5m5sslXeDaxUvKrWCGN_TyseYOzL



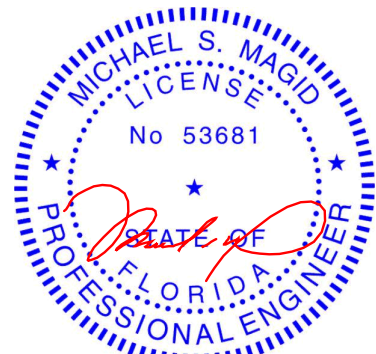
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.95	Vert(LL)	-0.14 12-14	>999	360	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.67	Vert(CT)	-0.24 12-14	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.60	Horz(CT)	0.04 10	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MS	Wind(LL)	0.08 18-21	>999	240	Weight: 238 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 4-3-10 oc bracing.
WEBS 2x4 SP No.2	

REACTIONS.	(size) 17=0-3-4, 10=0-3-4, 2=0-3-0
	Max Horz 2=162(LC 11)
	Max Uplift 17=-164(LC 12), 10=-54(LC 12), 2=-137(LC 12)
	Max Grav 17=1882(LC 17), 10=1296(LC 18), 2=334(LC 21)

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	3-4=-69/681, 4-5=-830/87, 5-6=-1327/174, 6-7=-1343/209, 7-8=-1554/197, 8-9=-2033/181, 9-10=-1174/145
BOT CHORD	16-17=-1898/375, 4-16=-1621/136, 15-16=-603/107, 14-15=-21/796, 12-14=-8/1169, 11-12=-110/1747, 10-11=-55/376
WEBS	3-18=-93/293, 3-16=-593/277, 4-15=-151/1614, 5-15=-742/153, 5-14=0/506, 6-12=-38/335, 7-12=0/355, 8-12=-547/101, 9-11=-77/1376

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=41ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-0 to 2-0-15, Interior(1) 2-0-15 to 19-0-0, Exterior(2R) 19-0-0 to 24-9-3, Interior(1) 24-9-3 to 26-10-0, Exterior(2R) 26-10-0 to 32-7-3, Interior(1) 32-7-3 to 40-7-8 zone; cantilever left and right exposed ; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 164 lb uplift at joint 17, 54 lb uplift at joint 10 and 137 lb uplift at joint 2.



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MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

November 29,2021

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

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



6904 Parke East Blvd.
Tampa, FL 36610

Job 613840	Truss A8	Truss Type Hip	Qty 1	Ply 1	2265-Cr-Tray	T26099159
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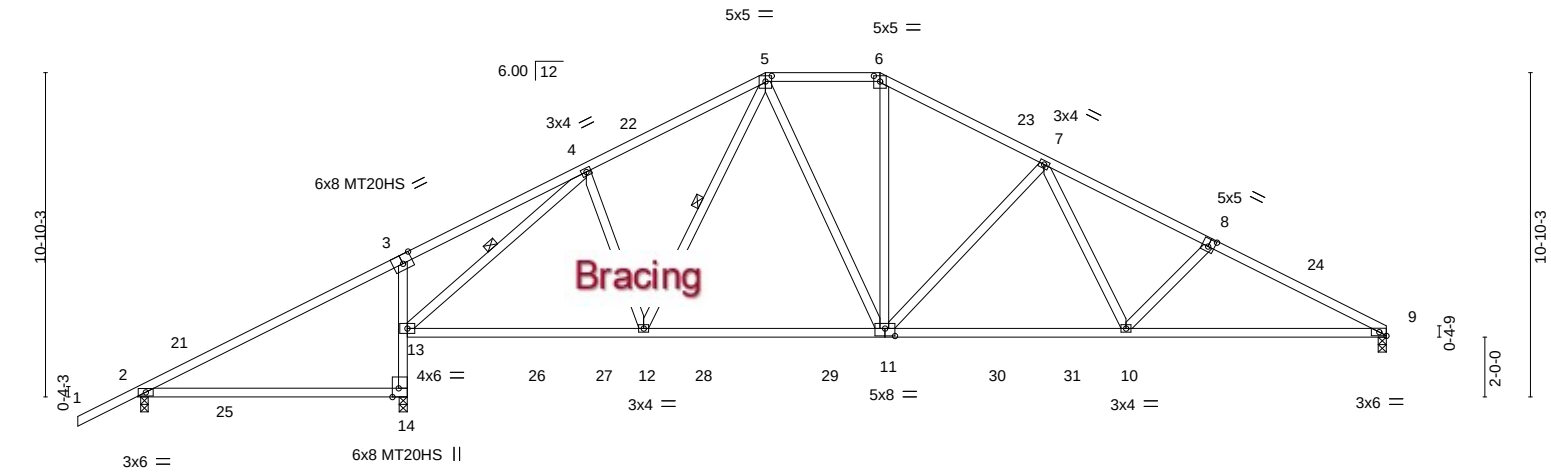
Tibbetts Lumber Co., LLC, Ocala, FL - 34472,

8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Nov 29 06:52:57 2021 Page 1

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Scale = 1:77.1



0-1-4 0-1-4	8-10-10 8-9-6	9-0-4 0-1-10	16-11-2 7-10-14	24-10-0 7-10-14	33-0-12 8-2-12	41-9-4 8-8-8
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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	0.79	Vert(LL)	-0.22 14-20 >492 360	MT20	244/190		
TCDL	7.0	Lumber DOL	1.25	BC	0.92	Vert(CT)	-0.43 14-20 >246 240	MT20HS	187/143		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.72	Horz(CT)	0.07 9 n/a n/a				
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS		Wind(LL)	0.35 14-20 >307 240	Weight: 227 lb	FT = 20%		

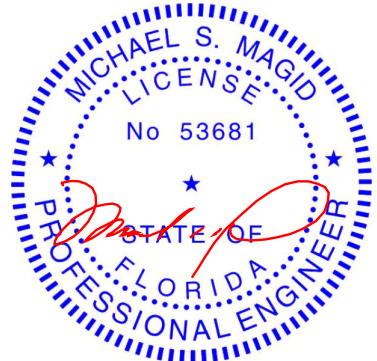
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-2-11 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 2x4 SP No.2	WEBS 1 Row at midpt 4-13, 5-12

REACTIONS. (size) 14=0-3-4, 9=0-3-4, 2=0-3-0
Max Horz 2=170(LC 11)
Max Uplift 14=-153(LC 12), 9=-58(LC 12), 2=-148(LC 12)
Max Grav 14=1833(LC 17), 9=1398(LC 18), 2=410(LC 23)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 4-5=-1515/221, 5-6=-1380/218, 6-7=-1607/213, 7-8=-2375/212, 8-9=-2554/224
BOT CHORD 13-14=-1717/162, 3-13=-422/185, 12-13=-51/1268, 11-12=-4/1246, 10-11=-81/1789,
9-10=-145/2250
WEBS 4-13=-1747/34, 4-12=0/295, 5-11=0/385, 6-11=-15/491, 7-11=-668/125, 7-10=0/604,
8-10=-301/116

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=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-0 to 1-0-0, Interior(1) 1-0-0 to 21-0-0, Exterior(2E) 21-0-0 to 24-10-0, Exterior(2R) 24-10-0 to 29-0-15, Interior(1) 29-0-15 to 41-9-4 zone; cantilever left and right exposed ; porch left 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) All plates are MT20 plates unless otherwise indicated.
- 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, with BCDL = 10.0psf.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 153 lb uplift at joint 14, 58 lb uplift at joint 9 and 148 lb uplift at joint 2.



Michael S. Magid PE No.53681
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

November 29,2021

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Job 613840	Truss A9	Truss Type Piggyback Base	Qty 4	Ply 1	2265-Cr-Tray	T26099160
Tibbetts Lumber Co., LLC, Ocala, FL - 34472,						Job Reference (optional)

Tibbetts Lumber Co., LLC,

Ocala, FL - 34472,

Scale = 1:78.4

8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Nov 29 06:52:58 2021 Page 1

ID:BVCP0onmzlVFXJ68ELDTZyqlf8-MOWAcQeIrXbSLrF9DGuDC3JyviXuJomZqly3xXyEOzJ

-2-0-0	4-9-6	9-0-4	15-0-2	21-0-0	24-10-0	30-3-13	35-9-11	41-10-0	43-10-0
2-0-0	4-9-6	4-2-14	5-11-14	5-11-14	3-10-0	5-5-13	5-5-13	6-0-5	2-0-0

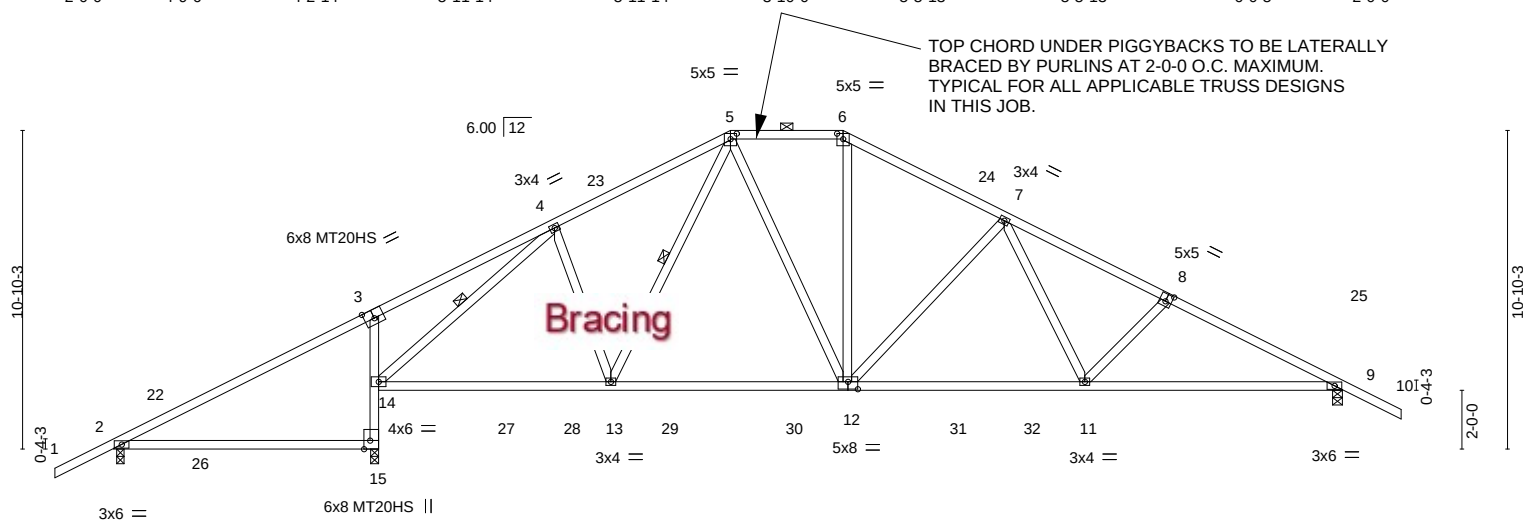


Plate Offsets (X,Y)--	[3:0-4-0,Edge], [5:0-2-8,0-2-4], [6:0-2-8,0-3-0], [8:0-2-8,0-3-0], [12:0-4-0,0-3-0], [15:0-3-8,Edge]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.80	Vert(LL)	-0.22 15-21	>492	360	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.92	Vert(CT)	-0.43 15-21	>246	240	MT20HS	187/143
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.72	Horz(CT)	0.08 9	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MS	Wind(LL)	0.35 15-21	>307	240		
								Weight: 230 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-2-14 oc purlins, except
2-0-0 oc purlins (5-0-6 max.): 5-6.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 4-14, 5-13

REACTIONS.

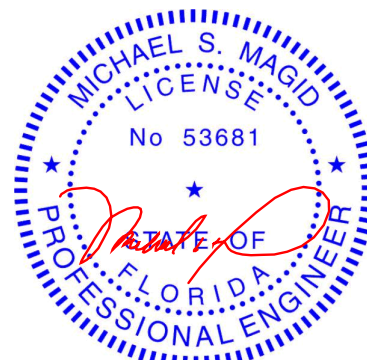
(size) 15=0-3-4, 9=0-4-0, 2=0-3-0
Max Horz 2=174(LC 11)
Max Uplift 15=-130(LC 12), 9=-119(LC 12), 2=-166(LC 12)
Max Grav 15=1840(LC 17), 9=1496(LC 18), 2=409(LC 23)

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

TOP CHORD 4-5=-1515/229, 5-6=-1380/219, 6-7=-1607/214, 7-8=-2373/205, 8-9=-2554/213
BOT CHORD 14-15=-1723/138, 3-14=-422/184, 13-14=-24/1275, 12-13=0/1255, 11-12=-59/1786,
9-11=-119/2245
WEBS 4-14=-1756/2, 4-13=0/296, 5-12=0/385, 6-12=-16/491, 7-12=-667/123, 7-11=0/602,
8-11=-296/105

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-0 to 1-0-0, Interior(1) 1-0-0 to 21-0-0, Exterior(2E) 21-0-0 to 24-10-0, Exterior(2R) 24-10-0 to 29-0-15, Interior(1) 29-0-15 to 43-10-0 zone; cantilever left and right exposed ; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- All plates are MT20 plates unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 130 lb uplift at joint 15, 119 lb uplift at joint 9 and 166 lb uplift at joint 2.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Michael S. Magid PE No.53681
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
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November 29,2021

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



6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	2265-Cr-Tray	T26099161
613840	A10	Piggyback Base	1	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC,

Ocala, FL - 34472,

8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Nov 29 06:52:26 2021 Page 1

-2-0-0

7-11-10

14-5-13

21-0-0

24-10-0

30-3-13

35-9-11

41-10-0

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2-0-0

7-11-10

6-6-3

6-6-3

3-10-0

5-5-13

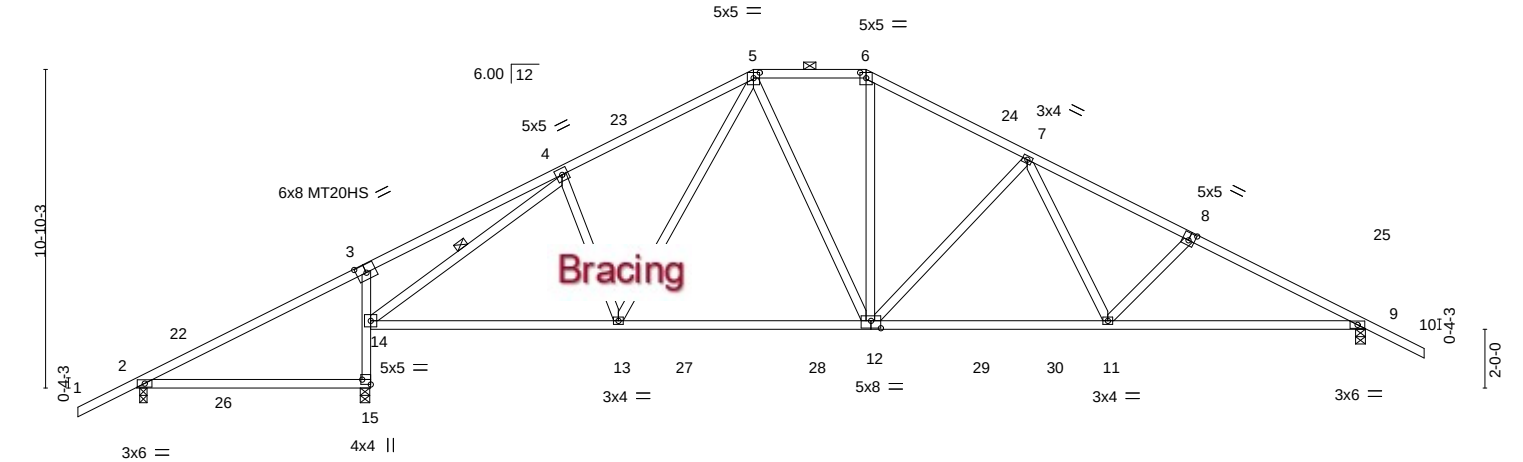
5-5-13

6-0-5

2-0-0

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Scale = 1:78.4



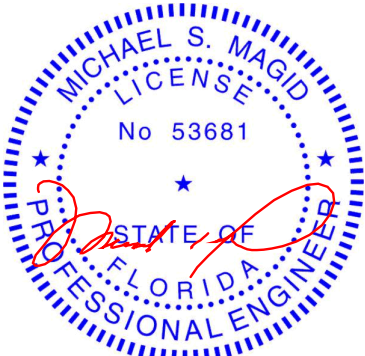
0-1-4		7-7-6		7-11-10		16-4-13		24-10-0		33-0-12		41-10-0			
0-1-4		7-6-2		0-4-4		8-5-3		8-5-3		8-2-12		8-9-4			
Plate Offsets (X,Y)-- [3:0-4-0,0-3-4], [5:0-2-8,0-2-4], [6:0-2-8,0-2-4], [8:0-2-8,0-3-0], [12:0-4-0,0-3-0], [15:Edge,0-3-8]															
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.		in (loc)		l/defl		L/d			
TCLL	20.0	Plate Grip DOL 1.25		TC 0.63		Vert(LL)		-0.24	12-13	>999		360			
TCDL	7.0	Lumber DOL 1.25		BC 0.93		Vert(CT)		-0.38	12-13	>999		240			
BCLL	0.0 *	Rep Stress Incr YES		WB 0.72		Horz(CT)		0.09	9	n/a		n/a			
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS		Wind(LL)		0.21	15-21	>456		240			
												PLATES		GRIP	
												MT20		244/190	
												MT20HS		187/143	
												Weight: 230 lb		FT = 20%	

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 3-1-13 oc purlins, except
BOT CHORD	2x4 SP No.2		2-0-0 oc purlins (4-10-6 max.): 5-6.
WEBS	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 2-2-0 oc bracing.
		WEBS	1 Row at midpt 4-14

REACTIONS. (size) 15=0-3-14, 9=0-4-0, 2=0-3-0
Max Horz 2=174(LC 11)
Max Uplift 15=-123(LC 12), 9=-120(LC 12), 2=-154(LC 12)
Max Grav 15=1811(LC 17), 9=1536(LC 18), 2=372(LC 23)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 4-5=-1700/231, 5-6=-1460/221, 6-7=-1697/215, 7-8=-2458/207, 8-9=-2639/216
BOT CHORD 14-15=-1710/140, 3-14=-405/167, 13-14=-36/1486, 12-13=0/1362, 11-12=-61/1865,
9-11=-121/2321
WEBS 4-14=-1892/37, 5-13=-27/338, 5-12=0/367, 6-12=-18/540, 7-12=-664/123, 7-11=0/596,
8-11=-296/104

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TC DL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-0 to 1-0-0, Interior(1) 1-0-0 to 21-0-0, Exterior(2E) 21-0-0 to 24-10-0, Exterior(2R) 24-10-0 to 29-0-15, Interior(1) 29-0-15 to 43-10-0 zone; cantilever left and right exposed ; porch left 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) All plates are MT20 plates unless otherwise indicated.
 - 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, with BCDL = 10.0psf.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 123 lb uplift at joint 15, 120 lb uplift at joint 9 and 154 lb uplift at joint 2.
 - 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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Date:

November 29,2021

6904 Parke East Blvd
Tampa, FL 36610

Job 613840	Truss A12	Truss Type Hip	Qty 1	Ply 1	2265-Cr-Tray	T26099163
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Tibbetts Lumber Co., LLC, Ocala, FL - 34472,

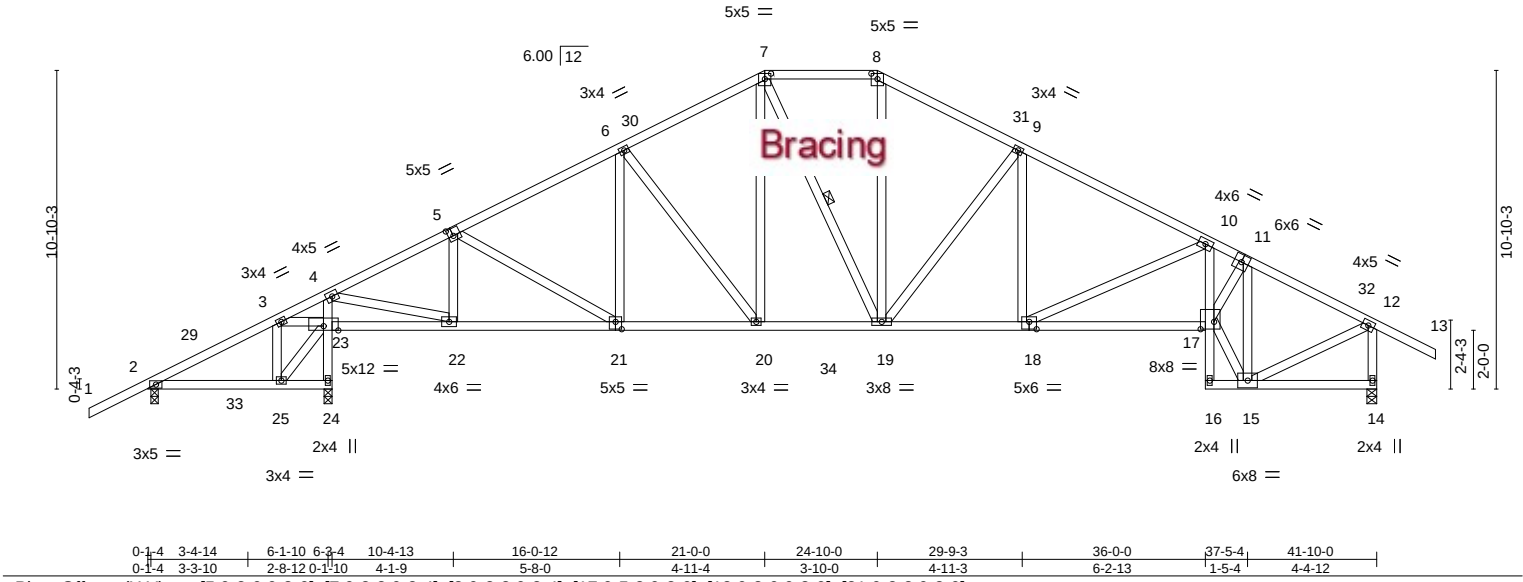
8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Nov 29 06:52:30 2021 Page 1

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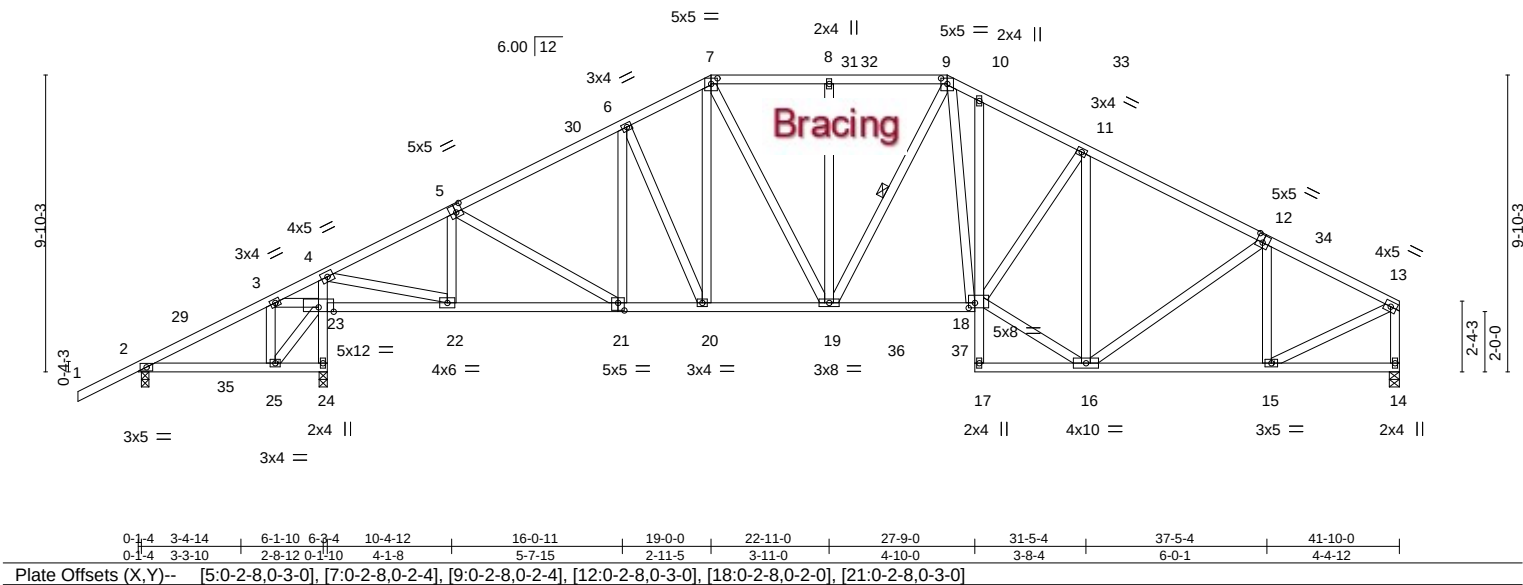
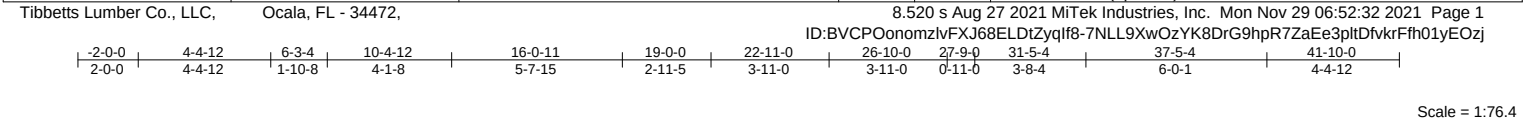
-2-0-0 | 4-4-12 | 6-3-4 | 10-4-13 | 16-0-12 | 21-0-0 | 24-10-0 | 29-9-3 | 36-0-0 | 37-5-4 | 41-10-0 | 43-10-0

2-0-0 | 4-4-12 | 1-10-8 | 4-1-9 | 5-8-0 | 4-11-4 | 3-10-0 | 4-11-3 | 6-2-13 | 1-5-4 | 4-4-12 | 2-0-0

Scale = 1:78.4



Job 613840	Truss A13	Truss Type Hip	Qty 1	Ply 1	2265-Cr-Tray	T26099164
Tibbetts Lumber Co., LLC, Ocala, FL - 34472,						Job Reference (optional)

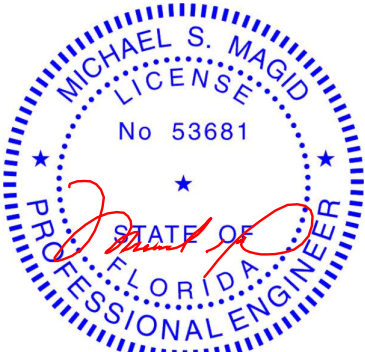


LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.31	Vert(LL)	-0.13 18-19	>999	360	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.53	Vert(CT)	-0.22 18-19	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.68	Horz(CT)	0.09 14	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MS	Wind(LL)	0.06 18-19	>999	240	Weight: 305 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-11-7 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 4-4-14 oc bracing.
WEBS 2x4 SP No.2	WEBS 1 Row at midpt 9-19
REACTIONS. (size) 24=0-3-4, 14=0-4-0, 2=0-3-0	
Max Horz 2=199(LC 11)	
Max Uplift 24=-111(LC 12), 14=-64(LC 12), 2=-135(LC 12)	
Max Grav 24=1805(LC 17), 14=1462(LC 18), 2=289(LC 21)	

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD 3-4=-87/567, 4-5=-1807/154, 5-6=-1915/200, 6-7=-1756/233, 7-8=-1678/228, 8-9=-1678/228, 9-10=-1942/256, 10-11=-1988/233, 11-12=-1734/199, 12-13=-1536/141, 13-14=-1401/128	
BOT CHORD 23-24=-1802/288, 4-23=-1689/166, 22-23=-402/85, 21-22=-102/1675, 20-21=-86/1735, 19-20=-54/1583, 18-19=-61/1641, 15-16=-104/1316	
WEBS 3-23=-450/174, 4-22=-152/2036, 5-22=-353/103, 6-20=-346/76, 7-20=-37/399, 7-19=-27/405, 9-18=-73/676, 16-18=-89/1684, 11-18=0/493, 11-16=-750/93, 12-15=-473/111, 13-15=-93/1445	

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-0 to 1-0-0, Interior(1) 1-0-0 to 19-0-0, Exterior(2R) 19-0-0 to 23-2-15, Interior(1) 23-2-15 to 26-10-0, Exterior(2R) 26-10-0 to 31-0-15, Interior(1) 31-0-15 to 41-8-4 zone; cantilever left and right exposed; end vertical right exposed; porch left 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 111 lb uplift at joint 24, 64 lb uplift at joint 14 and 135 lb uplift at joint 2.



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November 29,2021

Job 613840	Truss A14	Truss Type Hip	Qty 1	Ply 1	2265-Cr-Tray T26099165
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Tibbetts Lumber Co., LLC,

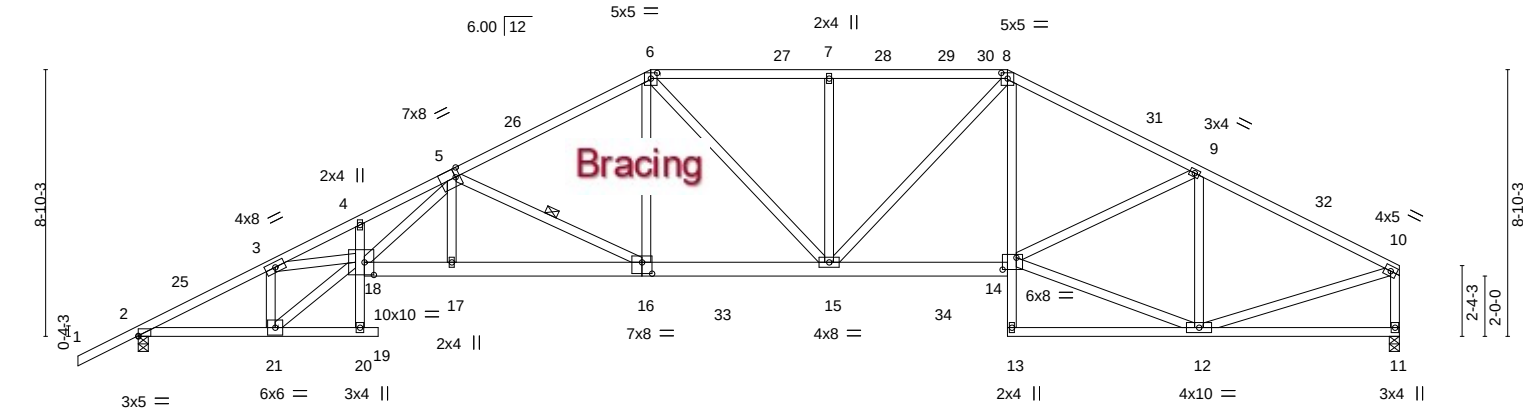
Ocala, FL - 34472,

8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Nov 29 06:52:34 2021 Page 1

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-2-0-0	4-4-12	6-3-4	10-4-12	17-0-0	22-11-0	28-10-0	35-2-4	41-10-0
2-0-0	4-4-12	1-10-8	4-1-8	6-7-3	5-11-0	5-11-0	6-4-4	6-7-12

Scale = 1:76.4



	4-4-12	6-3-4	7-6-0	10-4-12	17-0-0	22-11-0	28-10-0	35-2-4	41-10-0
	4-4-12	1-10-8	1-2-12	2-10-12	6-7-3	5-11-0	5-11-0	6-4-4	6-7-12

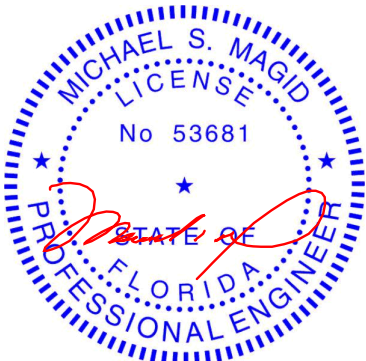
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.89	Vert(LL) -0.45	19	>999	360	MT20 244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.99	Vert(CT) -0.77	19	>646	240	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.76	Horz(CT) 0.39	11	n/a	n/a	
BCDL 10.0	Code FBC2020/TPI2014	Matrix-MS	Wind(LL) 0.23	19	>999	240	Weight: 284 lb FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 1-6-11 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2 *Except* 16-18,14-16: 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 2-2-0 oc bracing: 17-18. 10-0-0 oc bracing: 18-20
WEBS 2x4 SP No.2	WEBS 1 Row at midpt 5-16

REACTIONS.	(size) 2=0-4-0, 11=0-4-0 Max Horz 2=137(LC 11) Max Uplift 2=-125(LC 12), 11=-73(LC 12) Max Grav 2=1856(LC 17), 11=1727(LC 18)
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FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3461/212, 3-4=-7084/468, 4-5=-6960/476, 5-6=-3198/277, 6-7=-2799/285, 7-8=-2799/285, 8-9=-2853/268, 9-10=-2098/178, 10-11=-1624/162
BOT CHORD 2-21=-206/3146, 17-18=-274/4499, 16-17=-275/4493, 15-16=-113/2795, 14-15=-98/2503, 8-14=0/692
WEBS 3-21=-2003/187, 18-21=-236/3573, 3-18=-187/3221, 5-18=-150/2593, 5-17=0/325, 5-16=-1851/182, 6-16=-7/1086, 6-15=-30/313, 7-15=-358/113, 8-15=-31/548, 12-14=-116/1900, 9-14=0/804, 9-12=-997/163, 10-12=-104/1836

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-0 to 1-0-0, Interior(1) 1-0-0 to 17-0-0, Exterior(2R) 17-0-0 to 21-2-15, Interior(1) 21-2-15 to 28-10-0, Exterior(2R) 28-10-0 to 33-0-15, Interior(1) 33-0-15 to 41-8-4 zone; cantilever 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) 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 125 lb uplift at joint 2 and 73 lb uplift at joint 11.



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November 29,2021

Job	Truss	Truss Type	Qty	Ply	2265-Cr-Tray	T26099166
613840	A15	Roof Special	1	1		

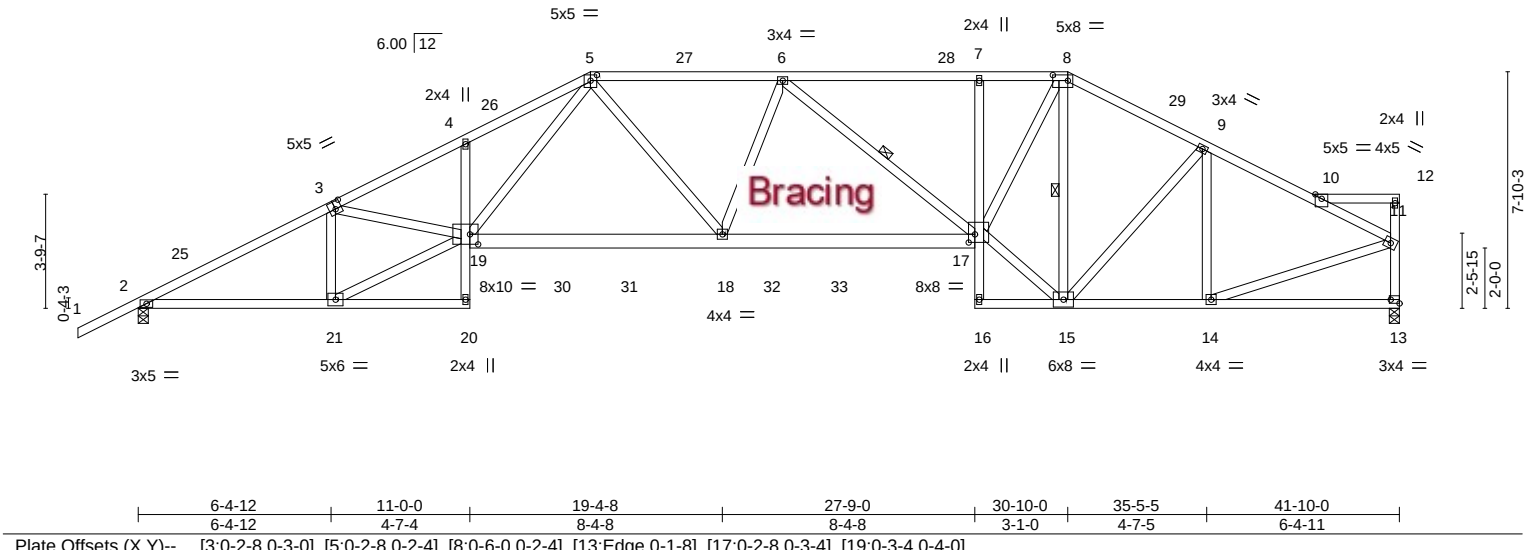
Tibbetts Lumber Co., LLC, Ocala, FL - 34472,

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Scale = 1:76.4



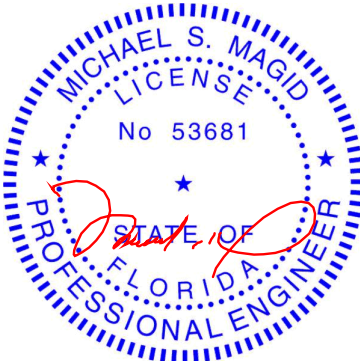
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.61	Vert(LL)	-0.37 18-19	>999	360	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.85	Vert(CT)	-0.64 18-19	>786	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.71	Horz(CT)	0.29 13	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MS	Wind(LL)	0.17 18-19	>999	240	Weight: 282 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 2-6-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2 *Except* 17-19: 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.2	WEBS 1 Row at midpt 6-17, 8-15

REACTIONS. (size) 13=0-4-0, 2=0-4-0
Max Horz 2=119(LC 12)
Max Uplift 13=-76(LC 12), 2=-129(LC 12)
Max Grav 13=1698(LC 18), 2=1842(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3356/238, 3-4=-4666/403, 4-5=-4694/466, 5-6=-3332/312, 6-7=-2891/306, 7-8=-2870/305, 8-9=-2089/233, 9-10=-1977/167, 10-11=-2033/173, 11-13=-1592/162
BOT CHORD 2-21=-259/3015, 18-19=-237/3065, 17-18=-242/3340, 7-17=-271/98, 14-15=-135/1766
WEBS 3-21=-1189/184, 19-21=-277/3289, 3-19=-84/1166, 5-19=-175/1864, 5-18=0/609, 6-17=-575/49, 15-17=-134/2195, 8-17=-175/2326, 8-15=-1266/112, 9-14=-398/119, 11-14=-129/1762

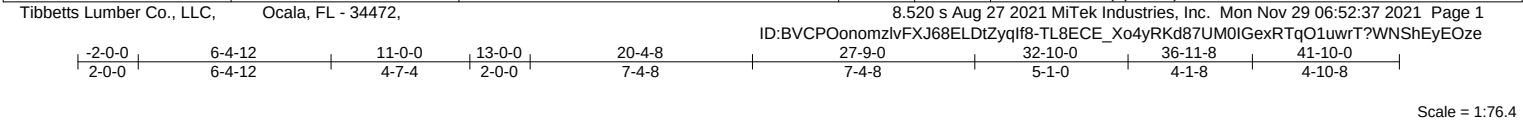
- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-0 to 1-0-0, Interior(1) 1-0-0 to 15-0-0, Exterior(2R) 15-0-0 to 18-0-0, Interior(1) 18-0-0 to 30-10-0, Exterior(2R) 30-10-0 to 33-10-0, Interior(1) 33-10-0 to 41-8-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 76 lb uplift at joint 13 and 129 lb uplift at joint 2.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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November 29,2021

Job 613840	Truss A16	Truss Type Roof Special	Qty 1	Ply 1	2265-Cr-Tray	T26099167
Tibbetts Lumber Co., LLC, Ocala, FL - 34472,						8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Nov 29 06:52:37 2021 Page 1
Job Reference (optional)						ID:BVCP0onmzlvFXJ68ELDtZyqlf8-TL8ECE_Xo4yRKd87UM0IGexRTqO1uwrT?WNShEyEOze



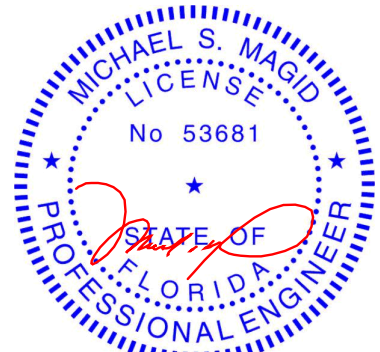
		6-4-12		11-0-0		20-4-8		27-9-0		32-10-0		41-10-0					
		6-4-12		4-7-4		9-4-8		7-4-8		5-1-0		9-0-0					
Plate Offsets (X,Y)--		[5:0-3-0,0-2-7], [7:0-4-0,0-4-8], [8:0-3-0,0-2-7], [14:0-5-12,0-5-8], [16:0-2-0,0-4-12]															
LOADING (psf)		SPACING-		2-0-0		CSI.		DEFL.		in (loc)		l/defl L/d		PLATES		GRIP	
TCLL 20.0		Plate Grip DOL		1.25		TC 0.46		Vert(LL)		-0.30 15-16		>999 360		MT20		244/190	
TCDL 7.0		Lumber DOL		1.25		BC 0.79		Vert(CT)		-0.60 15-16		>839 240					
BCLL 0.0 *		Rep Stress Incr		YES		WB 0.64		Horz(CT)		0.28 11		n/a n/a					
BCDL 10.0		Code FBC2020/TPI2014				Matrix-MS		Wind(LL)		0.18 15-16		>999 240		Weight: 284 lb		FT = 20%	

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except* 5-7,7-8: 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied or 2-7-15 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2 *Except* 14-16: 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.2	WEBS 1 Row at midpt 9-11

REACTIONS.	(size) 11=0-4-0, 2=0-4-0 Max Horz 2=143(LC 12) Max Uplift 11=-78(LC 12), 2=-127(LC 12) Max Grav 11=1540(LC 1), 2=1653(LC 1)
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FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-2983/236, 3-4=-4114/411, 4-5=-4063/448, 5-6=-3740/370, 6-7=-3738/369, 7-8=-3475/364, 8-9=-1907/189
BOT CHORD	2-18=-284/2607, 15-16=-314/3071, 14-15=-320/3515, 7-14=-567/121, 11-12=-150/1427
WEBS	3-18=-1083/193, 16-18=-297/2827, 3-16=-95/1045, 5-16=-125/1294, 5-15=-24/925, 6-15=-469/147, 7-15=-9/353, 12-14=-146/1819, 8-14=-227/2339, 8-12=-873/151, 9-12=0/433, 9-11=-1936/212

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-0 to 1-0-0, Interior(1) 1-0-0 to 13-0-0, Exterior(2R) 13-0-0 to 16-0-0, Interior(1) 16-0-0 to 32-10-0, Exterior(2R) 32-10-0 to 35-10-0, Interior(1) 35-10-0 to 41-8-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 78 lb uplift at joint 11 and 127 lb uplift at joint 2.



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Date:

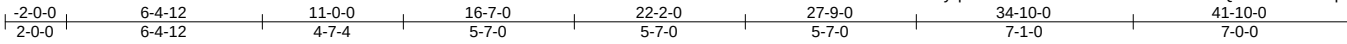
November 29,2021

Job 613840	Truss A17	Truss Type Hip	Qty 1	Ply 1	2265-Cr-Tray	T26099168
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Tibbetts Lumber Co., LLC, Ocala, FL - 34472,

8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Nov 29 06:52:39 2021 Page 1

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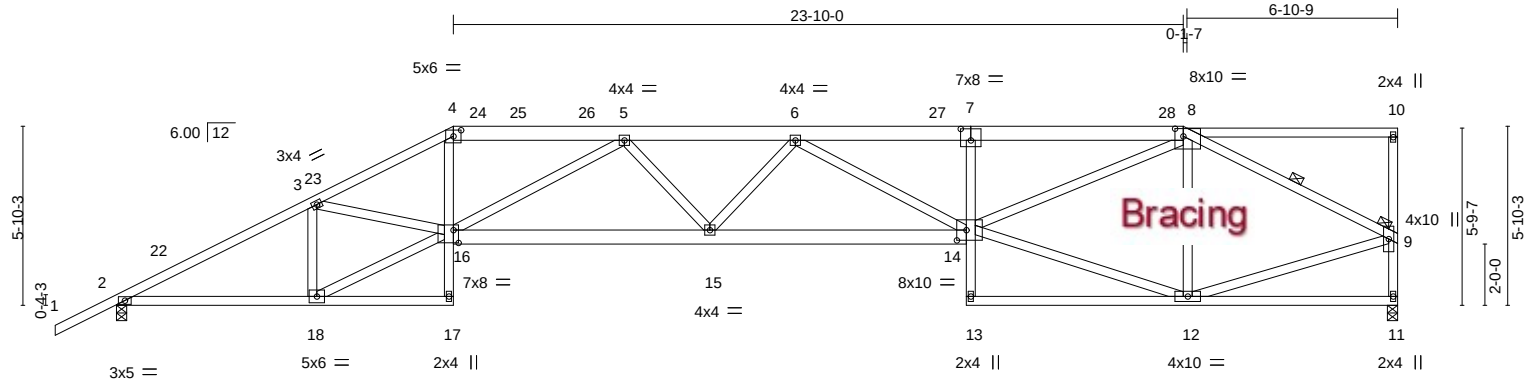


Plate Offsets (X,Y)--	[4:0-3-0,0-2-7], [7:0-4-0,0-4-8], [8:0-3-4,0-3-0], [14:0-3-12,0-4-0], [16:0-2-0,0-5-0]
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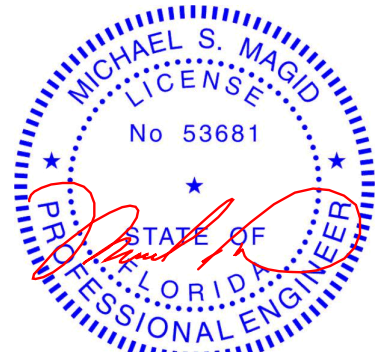
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.62	Vert(LL)	-0.40 14-15	>999	360	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.86	Vert(CT)	-0.75 14-15	>671	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.89	Horz(CT)	0.33 11	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MS	Wind(LL)	0.24 15	>999	240	Weight: 287 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except* 4-7,7-8: 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied or 2-7-6 oc purlins, except end verticals. Except:
BOT CHORD 2x4 SP No.2 *Except* 14-16: 2x6 SP No.2	1 Row at midpt 8-9
WEBS 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.	(size) 2=0-4-0, 11=0-4-0
Max Horz 2=167(LC 12)	
Max Uplift 2=-124(LC 12), 11=-81(LC 12)	
Max Grav 2=1653(LC 1), 11=1540(LC 1)	

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-2981/204, 3-4=-4137/363, 4-5=-3621/342, 5-6=-4695/338, 6-7=-4225/317, 7-8=-4197/321, 8-9=-1832/125, 9-11=-1481/140
BOT CHORD	2-18=-276/2606, 4-16=-74/1568, 15-16=-395/4523, 14-15=-380/4704, 7-14=-327/110
WEBS	3-18=-1077/192, 16-18=-293/2812, 3-16=-93/1085, 5-16=-1160/80, 5-15=0/364, 6-14=-587/73, 12-14=-110/1604, 8-14=-237/2836, 8-12=-809/165, 9-12=-124/1693

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCdL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-0 to 1-0-0, Interior(1) 1-0-0 to 11-0-0, Exterior(2R) 11-0-0 to 15-2-15, Interior(1) 15-2-15 to 41-8-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 124 lb uplift at joint 2 and 81 lb uplift at joint 11.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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November 29,2021

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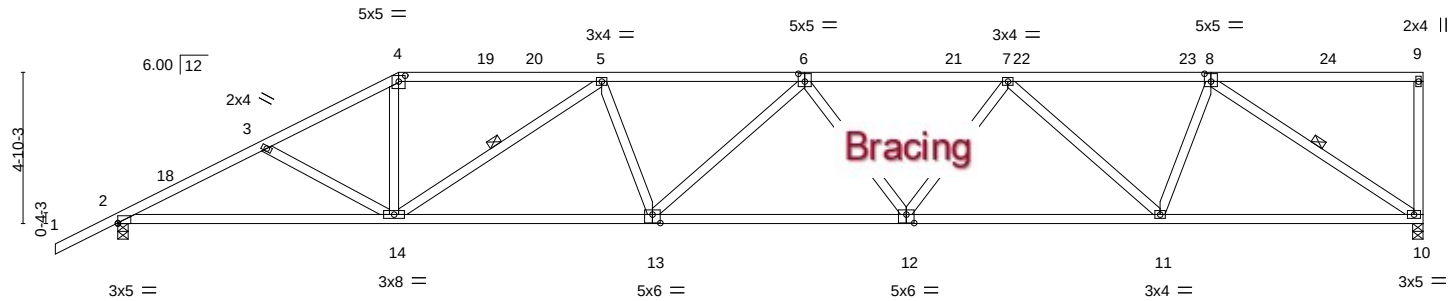


6904 Parke East Blvd.
Tampa, FL 33610

Job 613840	Truss A18	Truss Type Half Hip	Qty 1	Ply 1	2265-Cr-Tray	T26099169
Tibbetts Lumber Co., LLC, Ocala, FL - 34472,						8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Nov 29 06:52:40 2021 Page 1
Job Reference (optional)						ID:BVCP0onmzlvFXJ68ELDtZyqlf8-uwqNqG0Q5?K0B4ti9Ua?tGZxy1Ne5DmwhUb6iZyEOzb

2-0-0	4-9-4	9-0-0	15-6-2	22-0-3	28-6-5	35-0-6	41-10-0
2-0-0	4-9-4	4-2-12	6-6-2	6-6-2	6-6-2	6-6-2	6-9-10

Scale = 1:73.8



9-0-0	17-1-10	25-3-4	33-4-14	41-10-0
9-0-0	8-1-10	8-1-10	8-1-10	8-5-2
Plate Offsets (X,Y)-- [2:Edge,0-0-4], [4:0-2-8,0-2-4], [6:0-2-8,0-3-0], [8:0-2-8,0-3-0], [12:0-3-0,0-3-4], [13:0-3-0,0-3-4]				

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 0.57	Vert(LL)	-0.32 12-13	>999	360	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.99	Vert(CT)	-0.64 12-13	>777	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.88	Horz(CT)	0.20 10	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MS	Wind(LL)	0.19 12-13	>999	240	Weight: 221 lb	FT = 20%

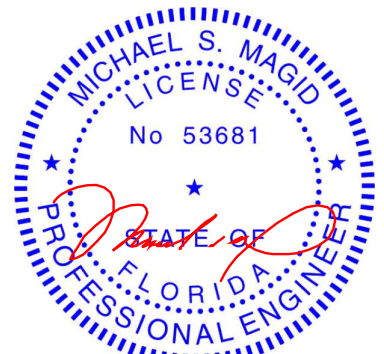
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 2-9-6 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 2x4 SP No.2	WEBS 1 Row at midpt 5-14, 8-10

REACTIONS. (size) 10=0-4-0, 2=0-4-0
Max Horz 2=145(LC 12)
Max Uplift 10=-79(LC 12), 2=-127(LC 12)
Max Grav 10=1540(LC 1), 2=1653(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3006/244, 3-4=-2762/201, 4-5=-2391/206, 5-6=-3420/246, 6-7=-3356/221, 7-8=-2266/140
BOT CHORD 2-14=-298/2647, 13-14=-271/3325, 12-13=-276/3531, 11-12=-233/3068, 10-11=-148/1937
WEBS 3-14=-258/105, 4-14=0/938, 5-14=-1203/93, 5-13=0/360, 6-12=-301/96, 7-12=0/496, 7-11=-1096/128, 8-11=0/980, 8-10=-2313/180

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-0 to 1-0-0, Interior(1) 1-0-0 to 9-0-0, Exterior(2R) 9-0-0 to 13-2-15, Interior(1) 13-2-15 to 41-8-4 zone; cantilever 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) 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 79 lb uplift at joint 10 and 127 lb uplift at joint 2.



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6904 Parke East Blvd.
Tampa, FL 36610

Job 613840	Truss A19	Truss Type HALF HIP GIRDER	Qty 1	Ply 2	2265-Cr-Tray Job Reference (optional)	T26099170
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Tibbetts Lumber Co., LLC, Ocala, FL - 34472,

8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Nov 29 06:52:45 2021 Page 1
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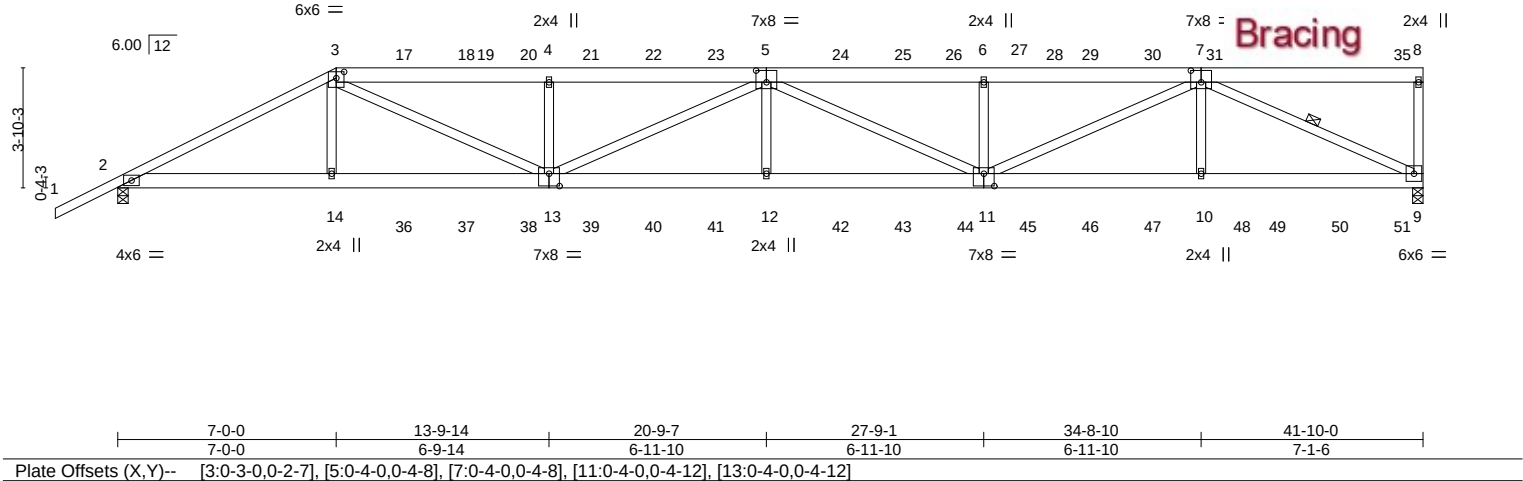
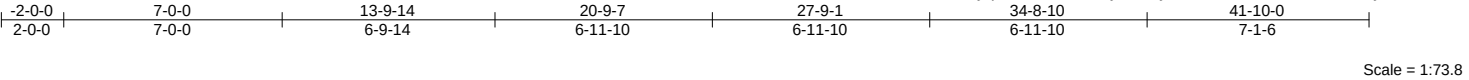


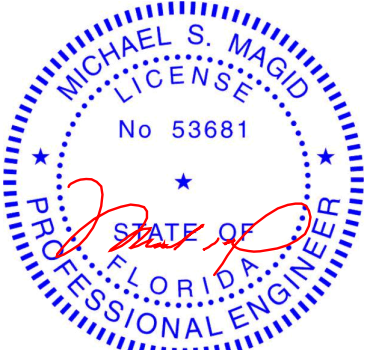
Plate Offsets (X,Y)--		[3:0-3-0,0-2-7], [5:0-4-0,0-4-8], [7:0-4-0,0-4-8], [11:0-4-0,0-4-12], [13:0-4-0,0-4-12]	
LOADING (psf)	SPACING-	2-0-0	CSI.
TCLL 20.0	Plate Grip DOL	1.25	TC 0.66
TCDL 7.0	Lumber DOL	1.25	BC 0.98
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.69
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MS
		DEFL.	in (loc)
		Vert(LL)	-0.40 12 >999 360
		Vert(CT)	-0.75 12 >666 240
		Horz(CT)	0.16 9 n/a n/a
		Wind(LL)	0.25 12 >999 240
		PLATES	MT20
		GRIP	244/190
		Weight: 550 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.2 *Except* 1-3: 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-2-15 oc purlins, except end verticals.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.2	WEBS 1 Row at midpt 7-9

REACTIONS. (size) 9=0-4-0, 2=0-4-0
Max Horz 2=119(LC 8)
Max Uplift 9=214(LC 8), 2=-166(LC 8)
Max Grav 9=3473(LC 1), 2=3175(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-6491/208, 3-4=-9164/423, 4-5=-9160/421, 5-6=-9135/450, 6-7=-9135/450, 8-9=-498/154
BOT CHORD 2-14=-209/5743, 13-14=-218/5718, 12-13=-496/10272, 11-12=-496/10272, 10-11=-292/5806, 9-10=-292/5806
WEBS 3-14=0/731, 3-13=-228/3927, 4-13=-875/254, 5-13=-1257/83, 5-12=0/570, 5-11=-1264/51, 6-11=-722/227, 7-11=-176/3702, 7-10=0/615, 7-9=-6370/320

- NOTES-**
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
 - Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 214 lb uplift at joint 9 and 166 lb uplift at joint 2.



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Continued on page 2

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Job	Truss	Truss Type	Qty	Ply	2265-Cr-Tray	T26099170
613840	A19	HALF HIP GIRDER	1	2	Job Reference (optional)	

Tibbetts Lumber Co., LLC, Ocala, FL - 34472,

8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Nov 29 06:52:46 2021 Page 2
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NOTES-

10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 222 lb down and 143 lb up at 7-0-0, 106 lb down and 67 lb up at 9-0-12, 106 lb down and 67 lb up at 11-0-12, 106 lb down and 67 lb up at 13-0-12, 106 lb down and 67 lb up at 15-0-12, 106 lb down and 67 lb up at 17-0-12, 106 lb down and 67 lb up at 19-0-12, 106 lb down and 67 lb up at 21-0-12, 106 lb down and 67 lb up at 23-0-12, 106 lb down and 67 lb up at 25-0-12, 106 lb down and 67 lb up at 27-0-12, 106 lb down and 67 lb up at 29-0-12, 106 lb down and 67 lb up at 31-0-12, 106 lb down and 67 lb up at 33-0-12, 106 lb down and 67 lb up at 35-0-12, 106 lb down and 67 lb up at 37-0-12, 106 lb down and 67 lb up at 39-0-12, and 116 lb down and 64 lb up at 41-0-12, and 135 lb down and 59 lb up at 41-8-4 on top chord, and 297 lb down at 7-0-0, 85 lb down at 9-0-12, 85 lb down at 11-0-12, 85 lb down at 13-0-12, 85 lb down at 15-0-12, 85 lb down at 17-0-12, 85 lb down at 19-0-12, 85 lb down at 21-0-12, 85 lb down at 23-0-12, 85 lb down at 25-0-12, 85 lb down at 27-0-12, 85 lb down at 29-0-12, 85 lb down at 31-0-12, 85 lb down at 33-0-12, 85 lb down at 35-0-12, 85 lb down at 37-0-12, and 85 lb down at 39-0-12, and 92 lb down at 41-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-3=-54, 3-8=-54, 2-9=-20

Concentrated Loads (lb)

Vert: 3=-175(F) 8=-135(F) 14=-290(F) 5=-106(F) 12=-61(F) 17=-106(F) 18=-106(F) 20=-106(F) 21=-106(F) 22=-106(F) 23=-106(F) 24=-106(F) 25=-106(F) 27=-106(F) 28=-106(F) 29=-106(F) 30=-106(F) 32=-106(F) 33=-106(F) 34=-106(F) 35=-116(F) 36=-61(F) 37=-61(F) 38=-61(F) 39=-61(F) 40=-61(F) 41=-61(F) 42=-61(F) 43=-61(F) 44=-61(F) 45=-61(F) 46=-61(F) 47=-61(F) 48=-61(F) 49=-61(F) 50=-61(F) 51=-65(F)

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Job 613840	Truss B1	Truss Type Common	Qty 9	Ply 1	2265-Cr-Tray	T26099171
Tibbetts Lumber Co., LLC, Ocala, FL - 34472,						8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Nov 29 06:52:59 2021 Page 1
Job Reference (optional)						ID:BVCP0onmzlVFXJ68ELDtZyqlf8-qaTYqmFKcrjJz?qLm_QS9GrCqixt2zzj3yicTzyEOzI

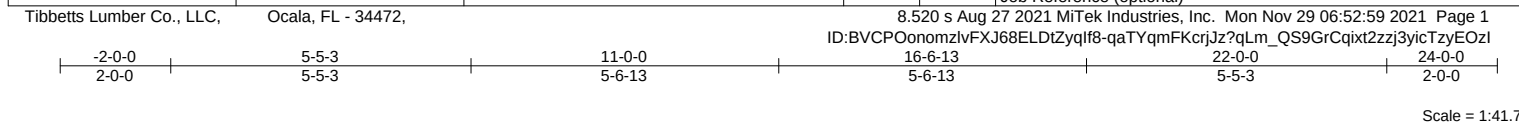


Plate Offsets (X,Y)--		[9:0-4-0,0-4-8]									
LOADING (psf)		SPACING-		2-0-0		CSI.		DEFL. in (loc) l/defl L/d		PLATES GRIP	
TCLL	20.0	Plate Grip DOL		1.25		TC 0.46		Vert(LL) -0.08 8-9 >999 360		MT20 244/190	
TCDL	7.0	Lumber DOL		1.25		BC 0.68		Vert(CT) -0.26 8-9 >999 240			
BCLL	0.0 *	Rep Stress Incr		NO		WB 0.21		Horz(CT) 0.04 6 n/a n/a			
BCDL	10.0	Code FBC2020/TPI2014				Matrix-MS		Wind(LL) 0.03 8-9 >999 240		Weight: 123 lb FT = 20%	

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-9-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 2=0-4-0, 6=0-4-0
Max Horz 2=107(LC 11)
Max Grav 2=1235(LC 17), 6=1235(LC 18)

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

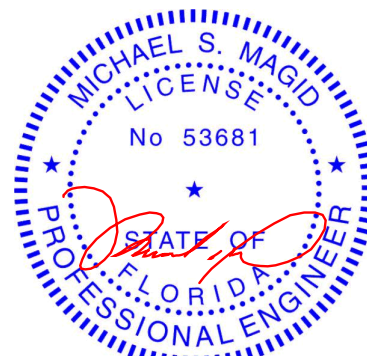
TOP CHORD 2-3=-2161/0, 3-4=-2037/0, 4-5=-2036/0, 5-6=-2160/0
BOT CHORD 2-9=0/1971, 8-9=0/1260, 6-8=0/1889
WEBS 4-8=0/971, 5-8=-278/158, 4-9=0/972, 3-9=-278/158

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-0 to 0-10-8, Interior(1) 0-10-8 to 11-0-0, Exterior(2R) 11-0-0 to 14-0-0, Interior(1) 14-0-0 to 24-0-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-7=-54, 2-9=-20, 8-9=-80, 6-8=-20
- Dead + 0.75 Roof Live (balanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-44, 4-7=-44, 2-9=-35, 9-16=-95, 16-17=-110, 8-17=-95, 6-8=-35
- Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-14, 4-7=-14, 2-9=-40, 8-9=-100, 6-8=-40
- Dead + 0.6 C-C Wind (Pos. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60



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November 29,2021

Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	2265-Cr-Tray	T26099171
613840	B1	Common	9	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC, Ocala, FL - 34472,

8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Nov 29 06:52:59 2021 Page 2
ID:BVCP0onmzlvFXJ68ELDtZyqlf8-qaTYqmFKcrJz?qLm_QS9GrCqixt2zzj3yicTzyEOzl

LOAD CASE(S) Standard

- Uniform Loads (plf)
Vert: 1-2=43, 2-10=23, 4-10=21, 4-15=27, 6-15=21, 6-7=16, 2-9=-12, 8-9=-72, 6-8=-12
Horz: 1-2=-52, 2-10=-32, 4-10=-29, 4-15=35, 6-15=29, 6-7=24
- 5) Dead + 0.6 C-C Wind (Pos. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=16, 2-14=21, 4-14=27, 4-12=21, 6-12=23, 6-7=43, 2-9=-12, 8-9=-72, 6-8=-12
Horz: 1-2=-24, 2-14=-29, 4-14=-35, 4-12=29, 6-12=32, 6-7=52
- 6) Dead + 0.6 C-C Wind (Neg. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-6, 2-4=-26, 4-6=-26, 6-7=-22, 2-9=-20, 8-9=-80, 6-8=-20
Horz: 1-2=-8, 2-4=12, 4-6=-12, 6-7=-8
- 7) Dead + 0.6 C-C Wind (Neg. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-22, 2-4=-26, 4-6=-26, 6-7=-6, 2-9=-20, 8-9=-80, 6-8=-20
Horz: 1-2=8, 2-4=12, 4-6=-12, 6-7=8
- 8) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=16, 2-4=3, 4-6=9, 6-7=5, 2-9=-12, 8-9=-72, 6-8=-12
Horz: 1-2=-24, 2-4=-11, 4-6=18, 6-7=13
- 9) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=5, 2-4=9, 4-6=3, 6-7=16, 2-9=-12, 8-9=-72, 6-8=-12
Horz: 1-2=-13, 2-4=-17, 4-6=11, 6-7=24
- 10) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-18, 2-4=-22, 4-6=-6, 6-7=-1, 2-9=-20, 8-9=-80, 6-8=-20
Horz: 1-2=4, 2-4=8, 4-6=8, 6-7=13
- 11) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-1, 2-4=-6, 4-6=-22, 6-7=-18, 2-9=-20, 8-9=-80, 6-8=-20
Horz: 1-2=-13, 2-4=-8, 4-6=-8, 6-7=-4
- 12) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=28, 2-4=16, 4-6=16, 6-7=28, 2-9=-12, 8-9=-72, 6-8=-12
Horz: 1-2=-37, 2-4=-24, 4-6=24, 6-7=37
- 13) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=15, 2-4=3, 4-6=3, 6-7=15, 2-9=-12, 8-9=-72, 6-8=-12
Horz: 1-2=-24, 2-4=-11, 4-6=11, 6-7=24
- 14) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-10, 2-4=-15, 4-6=-15, 6-7=-10, 2-9=-20, 8-9=-80, 6-8=-20
Horz: 1-2=-4, 2-4=1, 4-6=-1, 6-7=4
- 15) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-10, 2-4=-15, 4-6=-15, 6-7=-10, 2-9=-20, 8-9=-80, 6-8=-20
Horz: 1-2=-4, 2-4=1, 4-6=-1, 6-7=4
- 16) Dead + Uninhabitable Attic Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-14, 4-7=-14, 2-9=-40, 9-16=-100, 16-17=-120, 8-17=-100, 6-8=-40
- 17) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-47, 2-4=-50, 4-6=-38, 6-7=-34, 2-9=-35, 9-16=-95, 16-17=-110, 8-17=-95, 6-8=-35
Horz: 1-2=3, 2-4=6, 4-6=6, 6-7=10
- 18) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-34, 2-4=-38, 4-6=-50, 6-7=-47, 2-9=-35, 9-16=-95, 16-17=-110, 8-17=-95, 6-8=-35
Horz: 1-2=-10, 2-4=-6, 4-6=-6, 6-7=-3
- 19) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-41, 2-4=-45, 4-6=-45, 6-7=-41, 2-9=-35, 9-16=-95, 16-17=-110, 8-17=-95, 6-8=-35
Horz: 1-2=-3, 2-4=1, 4-6=-1, 6-7=3
- 20) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-41, 2-4=-45, 4-6=-45, 6-7=-41, 2-9=-35, 9-16=-95, 16-17=-110, 8-17=-95, 6-8=-35
Horz: 1-2=-3, 2-4=1, 4-6=-1, 6-7=3
- 21) 1st Dead + Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-7=-14, 2-9=-20, 8-9=-80, 6-8=-20
- 22) 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-14, 4-7=-54, 2-9=-20, 8-9=-80, 6-8=-20

Continued on page 3

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	2265-Cr-Tray	T26099171
613840	B1	Common	9	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC, Ocala, FL - 34472,

8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Nov 29 06:52:59 2021 Page 3
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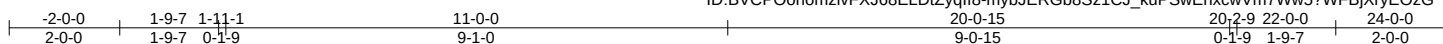
- LOAD CASE(S)** Standard
- 23) 3rd Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-44, 4-7=-14, 2-9=-35, 9-16=-95, 16-17=-110, 8-17=-95, 6-8=-35
- 24) 4th Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-14, 4-7=-44, 2-9=-35, 9-16=-95, 16-17=-110, 8-17=-95, 6-8=-35

Job 613840	Truss B1X	Truss Type Common Supported Gable	Qty 1	Ply 1	2265-Cr-Tray	T26099172
Job Reference (optional)						

Tibbetts Lumber Co., LLC, Ocala, FL - 34472,

8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Nov 29 06:53:01 2021 Page 1

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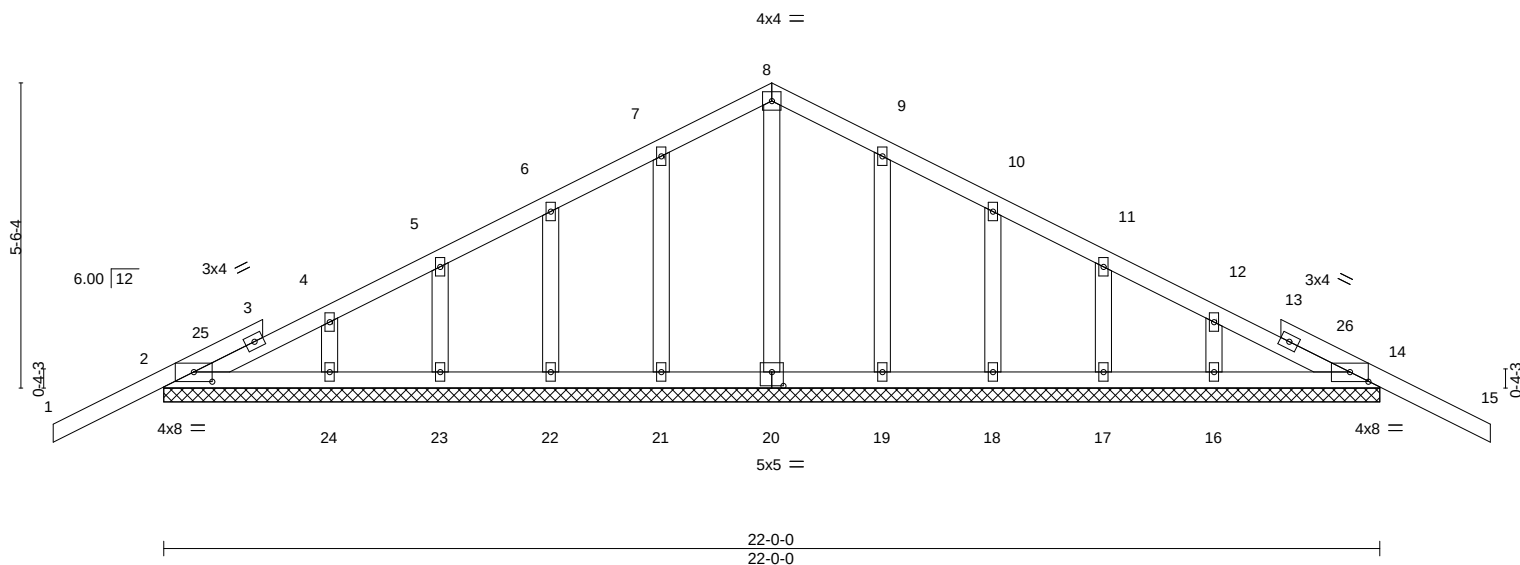


Plate Offsets (X,Y)--		[2:0-4-0,0-2-1], [14:0-4-0,0-2-1], [20:0-2-8,0-3-0]																	
LOADING (psf)		SPACING-		2-0-0		CSI.		DEFL.		in (loc)		l/defl		L/d		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL		1.25		TC 0.23		Vert(LL)		-0.02 15		n/r		120		MT20		244/190	
TCDL	7.0	Lumber DOL		1.25		BC 0.06		Vert(CT)		-0.03 15		n/r		120					
BCLL	0.0 *	Rep Stress Incr		YES		WB 0.04		Horz(CT)		0.00 14		n/a		n/a					
BCDL	10.0	Code FBC2020/TPI2014				Matrix-S										Weight: 117 lb		FT = 20%	

LUMBER-

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

BRACING-

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

REACTIONS.

All bearings 22-0-0.

(lb) - Max Horz 2=-102(LC 10)

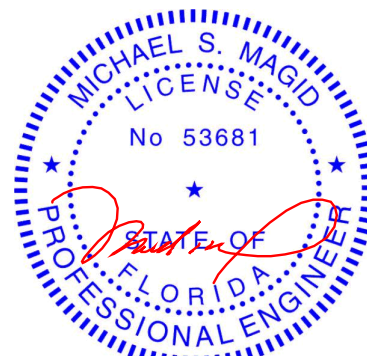
Max Uplift All uplift 100 lb or less at joint(s) 2, 14, 21, 22, 23, 19, 18, 17

Max Grav All reactions 250 lb or less at joint(s) 2, 14, 20, 21, 22, 23, 24, 19, 18, 17, 16

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3E) -2-0-0 to 1-0-0, Exterior(2N) 1-0-0 to 11-0-0, Corner(3R) 11-0-0 to 14-0-0, Exterior(2N) 14-0-0 to 24-0-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 14, 21, 22, 23, 19, 18, 17.



Michael S. Magid PE No.53681
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

November 29,2021

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



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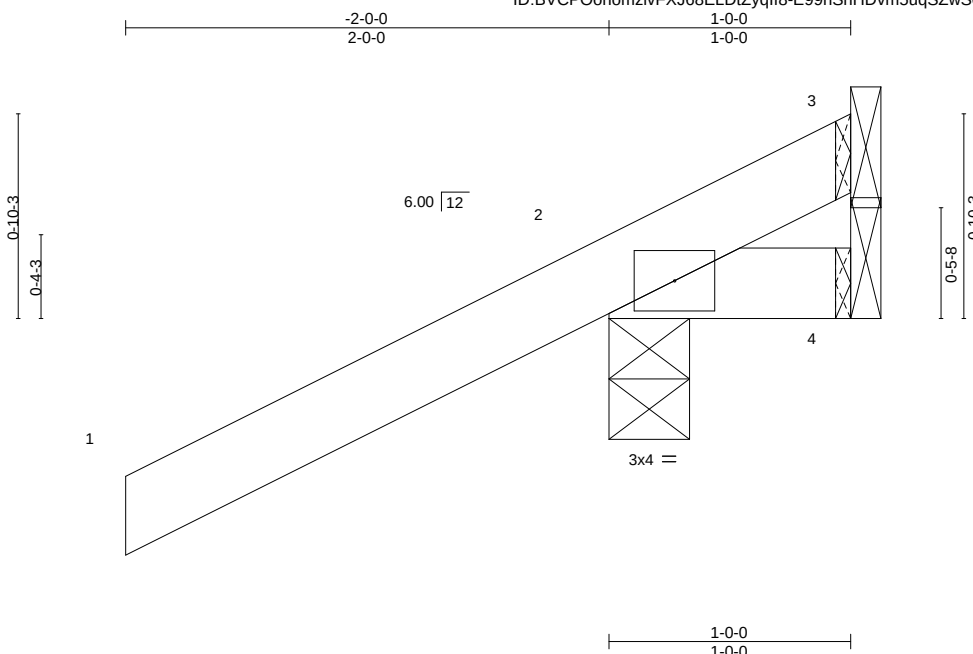
Job 613840	Truss CJ1	Truss Type Corner Jack	Qty 4	Ply 1	2265-Cr-Tray	T26099173
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Tibbetts Lumber Co., LLC,

Ocala, FL - 34472,

8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Nov 29 06:53:02 2021 Page 1

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Scale = 1:9.5

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 0.23	Vert(LL)	0.00	7	>999	360	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.05	Vert(CT)	0.00	7	>999	240	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.00	4	n/a	n/a	
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MP	Wind(LL)	-0.00	7	>999	240	
									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" oc purlins.
BOT CHORD Rigid ceiling directly applied or 10'-0" oc bracing.

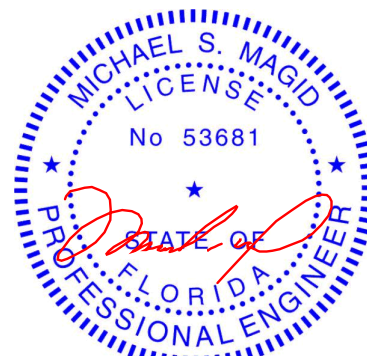
REACTIONS.

(size) 3=Mechanical, 2=0'-4'-0", 4=Mechanical
Max Horz 2=48(LC 12)
Max Uplift 3=26(LC 1), 2=129(LC 12), 4=47(LC 1)
Max Grav 3=26(LC 12), 2=254(LC 1), 4=43(LC 12)

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=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) zone; cantilever 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" tall by 2'-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, 4 except (jt=lb) 2=129.



Michael S. Magid PE No.53681
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

November 29,2021

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



6904 Parke East Blvd.
Tampa, FL 36610

Job 613840	Truss CJ3	Truss Type Corner Jack	Qty 2	Ply 1	2265-Cr-Tray	T26099174
Tibbetts Lumber Co., LLC, Ocala, FL - 34472,						8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Nov 29 06:53:02 2021 Page 1
Job Reference (optional)						ID:BVCP0onomzlvFXJ68ELDtZyqlf8-E99hSnHDvm5uqSZwS6z9mvTniv5AFN?9IvwG4lyEOzF

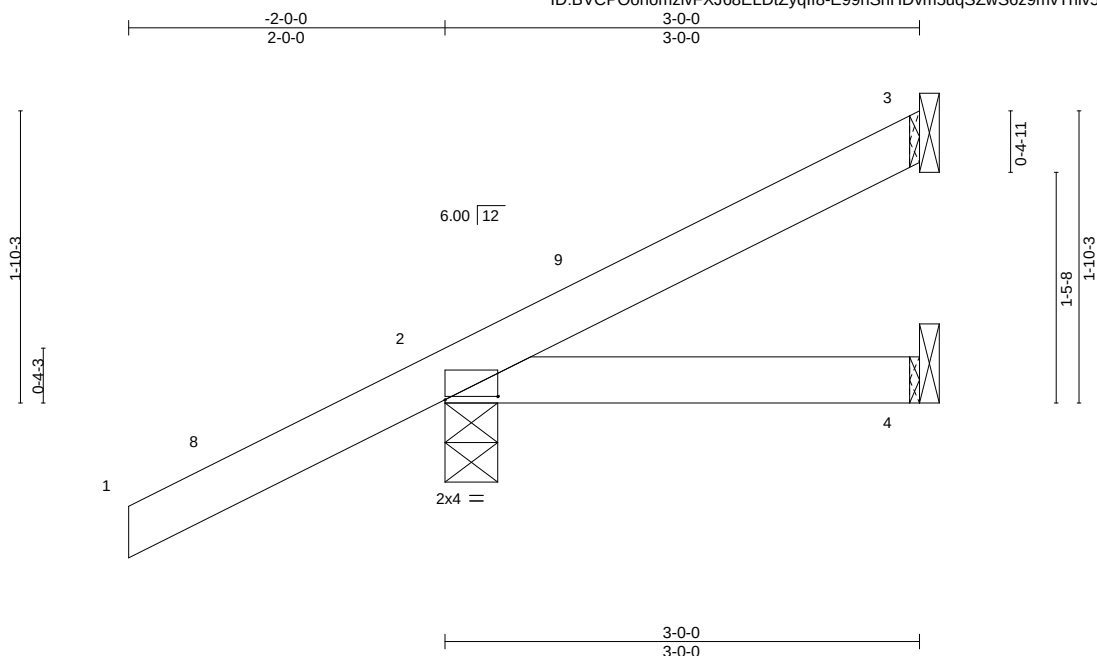


Plate Offsets (X,Y)--		[2:0-4-0,0-0-4]																	
LOADING (psf)		SPACING-		2-0-0		CSI.		DEFL.		in (loc)		l/defl		L/d		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL		1.25		TC 0.23		Vert(LL)		-0.00 4-7		>999		360		MT20		244/190	
TCDL	7.0	Lumber DOL		1.25		BC 0.07		Vert(CT)		-0.01 4-7		>999		240					
BCLL	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		Wind(LL)		-0.00 4-7		>999		240		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.

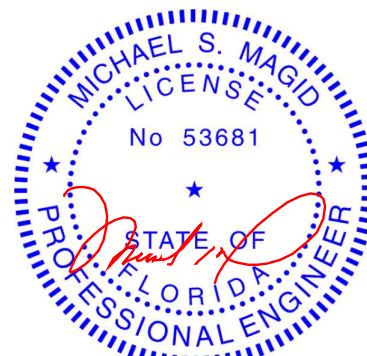
REACTIONS.

(size) 3=Mechanical, 2=0-4-0, 4=Mechanical
Max Horz 2=72(LC 12)
Max Uplift 3=11(LC 12), 2=77(LC 12)
Max Grav 3=52(LC 1), 2=253(LC 1), 4=47(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=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-0 to 1-0-0, Interior(1) 1-0-0 to 2-11-4 zone; cantilever 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.



Michael S. Magid PE No.53681
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

November 29,2021

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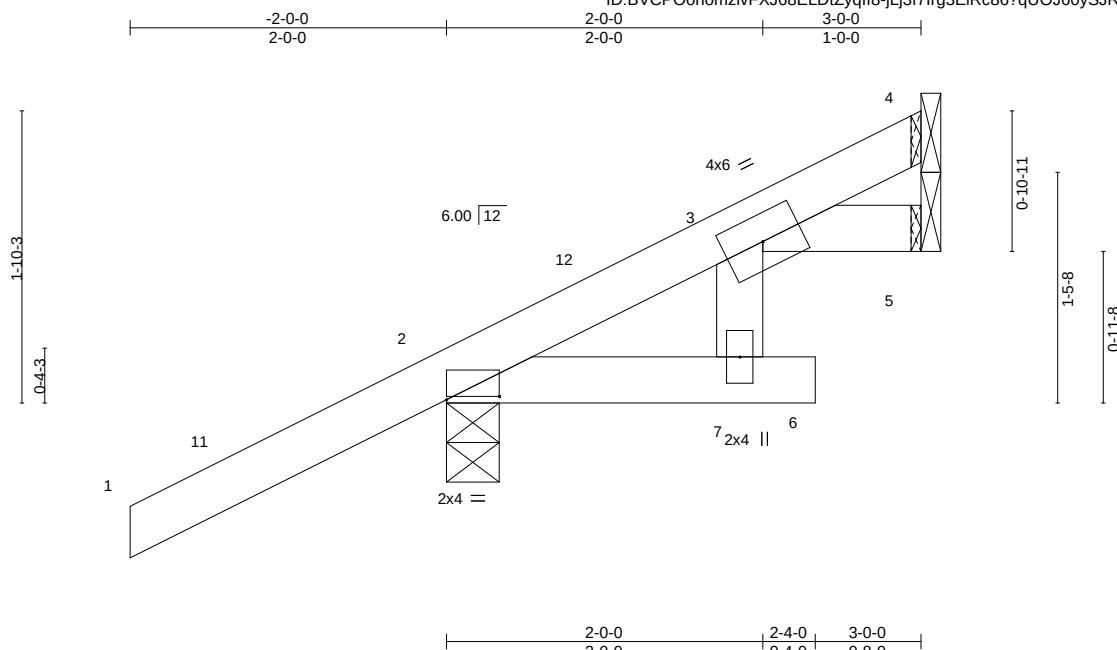
Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

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



6904 Parke East Blvd.
Tampa, FL 33610

Job 613840	Truss CJ3T	Truss Type Corner Jack	Qty 2	Ply 1	2265-Cr-Tray	T26099175
Tibbetts Lumber Co., LLC, Ocala, FL - 34472,						8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Nov 29 06:53:03 2021 Page 1
Job Reference (optional)						ID: BVCP0onmzlvFXJ68ELDTzyqlf8-jLj3f7lrg3ElRc86?qUOJ60ySJR9_qFI_ZgqckyEOzE



Scale = 1:14.6

Plate Offsets (X,Y)--		[2:0-4-0,0-0-4]										
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	0.23	Vert(LL)	-0.00	7	>999	360	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.08	Vert(CT)	-0.01	6	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MR		Wind(LL)	-0.01	7	>999	240	Weight: 15 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 6-0-0 oc bracing.

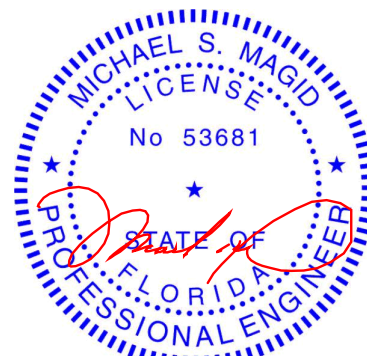
REACTIONS.

(size) 4=Mechanical, 2=0-4-0, 5=Mechanical
Max Horz 2=72(LC 12)
Max Uplift 4=2(LC 9), 2=76(LC 12)
Max Grav 4=45(LC 17), 2=256(LC 1), 5=49(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=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-0 to 1-0-0, Interior(1) 1-0-0 to 2-11-4 zone; cantilever 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.



Michael S. Magid PE No.53681
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

November 29,2021

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

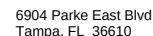
ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



6904 Parke East Blvd.
Tampa, FL 36610

Page 1

Scale = 1:19.5



Job 613840	Truss CJ5T	Truss Type Corner Jack	Qty 2	Ply 1	2265-Cr-Tray	T26099177
Tibbetts Lumber Co., LLC, Ocala, FL - 34472,						8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Nov 29 06:53:05 2021 Page 1
Job Reference (optional)						ID:BVCP0onomzlvFXJ68ELDtZyqlf8-fkrq4pK5ChUThwHV7EXsOX5Hf657SkIbRt9xgdyEOzC

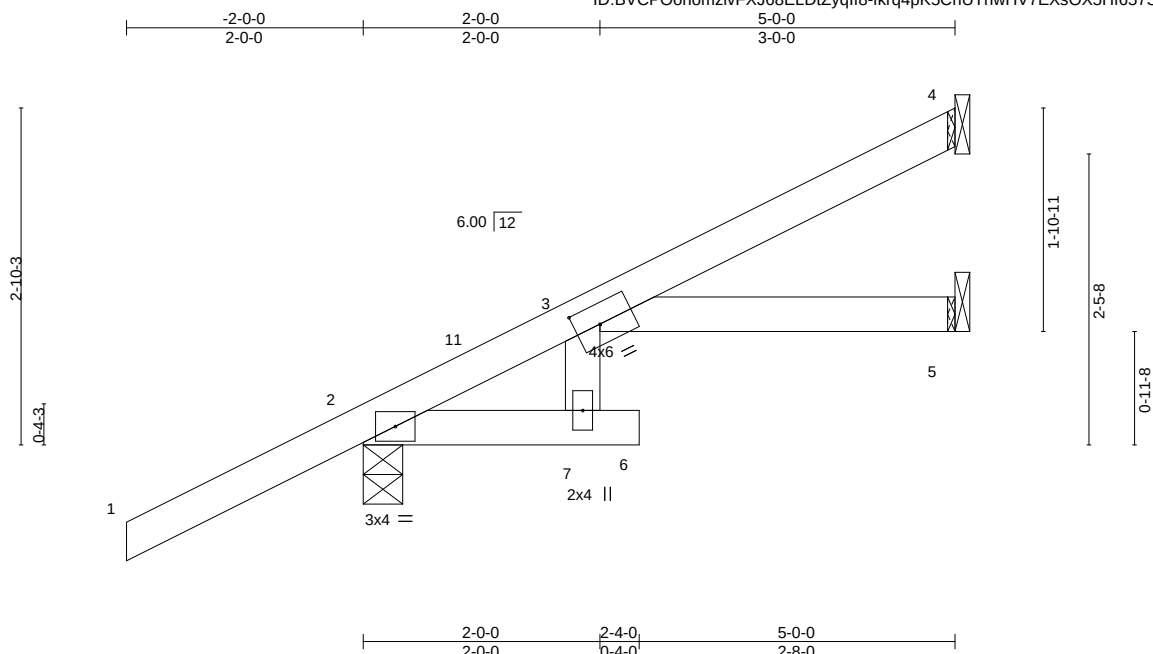


Plate Offsets (X,Y)--		[3:0-2-8,0-2-0]													
LOADING (psf)		SPACING-		2-0-0		CSI.		DEFL.		in (loc) l/defl L/d		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL		1.25		TC 0.31		Vert(LL)		-0.03 6 >999 360		MT20		244/190	
TCDL	7.0	Lumber DOL		1.25		BC 0.24		Vert(CT)		-0.07 6 >855 240					
BCLL	0.0 *	Rep Stress Incr		YES		WB 0.00		Horz(CT)		0.03 5 n/a n/a					
BCDL	10.0	Code FBC2020/TPI2014				Matrix-MR		Wind(LL)		0.05 6 >999 240		Weight: 21 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 6'-0'-0 oc bracing.

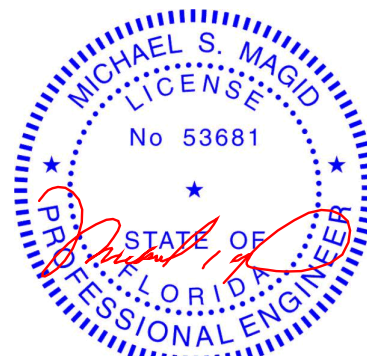
REACTIONS.

(size) 4=Mechanical, 2=0'-4'-0, 5=Mechanical
Max Horz 2=96(LC 12)
Max Uplift 4=23(LC 12), 2=62(LC 12)
Max Grav 4=100(LC 1), 2=318(LC 1), 5=85(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=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2'-0'-0 to 1'-0'-0, Interior(1) 1'-0'-0 to 4'-11'-4 zone; cantilever 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.



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Date:

November 29,2021

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

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

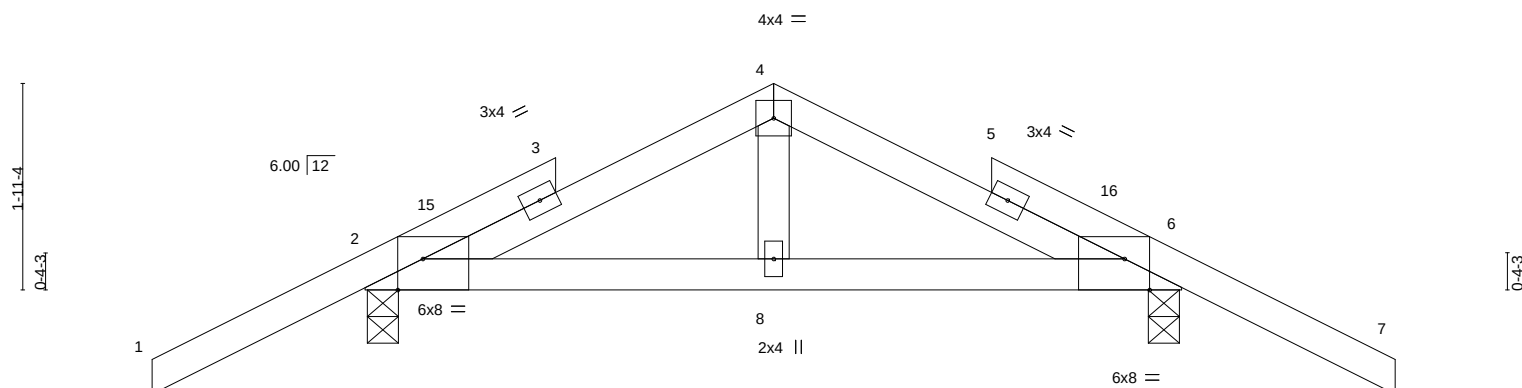


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Tampa, FL 36610

8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Nov 29 06:53:06 2021 Page 1
ID:BVCP0on0mzlvFXJ68ELDtZvqf8-7wOCi9Kiz cJJ4shhy25xleSvWSABBUlqXuUD3vEqZB

-2-0-0	1-9-7	1-11-1	3-10-1	5-9-0	5-10-10	7-8-0	9-8-1
2-0-0	1-9-7	0-1-9	1-11-0	1-11-0	0-1-9	1-9-6	2-0-1

Scale = 1:21.6



0-0-4	1-9-7	1-11-1	3-10-1	5-9-0	5-10-10	7-7-12	7-8-0
0-0-4	1-9-3	0-1-9	1-11-0	1-11-0	0-1-9	1-9-2	0-0-4

Plate Offsets (X,Y)--		[2:0-2-13,Edge], [6:0-2-13,Edge]		2:0-0		0:13		1:13		1:13		0:13		1:32		0:04	
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)	-0.00	8-11	>999	360	MT20	244/190					
TCDL	7.0	Lumber DOL	1.25	BC	0.13	Vert(CT)	-0.01	8-11	>999	240							
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	6	n/a	n/a							
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS		Wind(LL)	-0.01	8-14	>999	240	Weight: 37 lb	FT = 20%					

LUMBER-

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

BRACING-

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

REACTIONS.

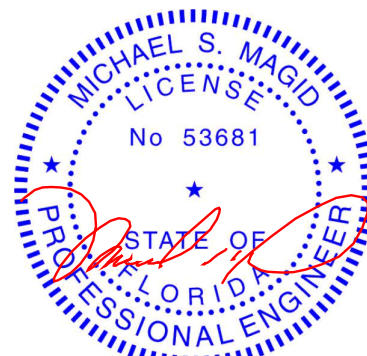
(size) 2=0-3-8, 6=0-3-8
 Max Horz 2=-43(LC 10)
 Max Uplift 2=-74(LC 12), 6=-74(LC 12)
 Max Grav 2=388(LC 1), 6=389(LC 1)

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

TOP CHORD 2-4=-295/88, 4-6=-295/88
BOT CHORD 2-8=0/254, 6-8=0/254

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=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-0 to 1-2-5, Interior(1) 1-2-5 to 3-10-1, Exterior(2R) 3-10-1 to 6-10-1, Interior(1) 6-10-1 to 9-8-1 zone; cantilever left and right exposed ; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 5) Gable 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) 2, 6.



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MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

November 29, 2021



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6904 Parke East Blvd
Tampa, FL 36610

Job 613840	Truss E02	Truss Type Roof Special	Qty 2	Ply 1	2265-Cr-Tray T26099179
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Tibbetts Lumber Co., LLC,

Ocala, FL - 34472,

8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Nov 29 06:53:07 2021 Page 1

ID:BVCP0onmzlvFXJ68ELDtZyqlf8-b6yaVVLmKikAwERuEfZKTyAazwj?wakuvBe1IVyEOzA



Scale = 1:42.8

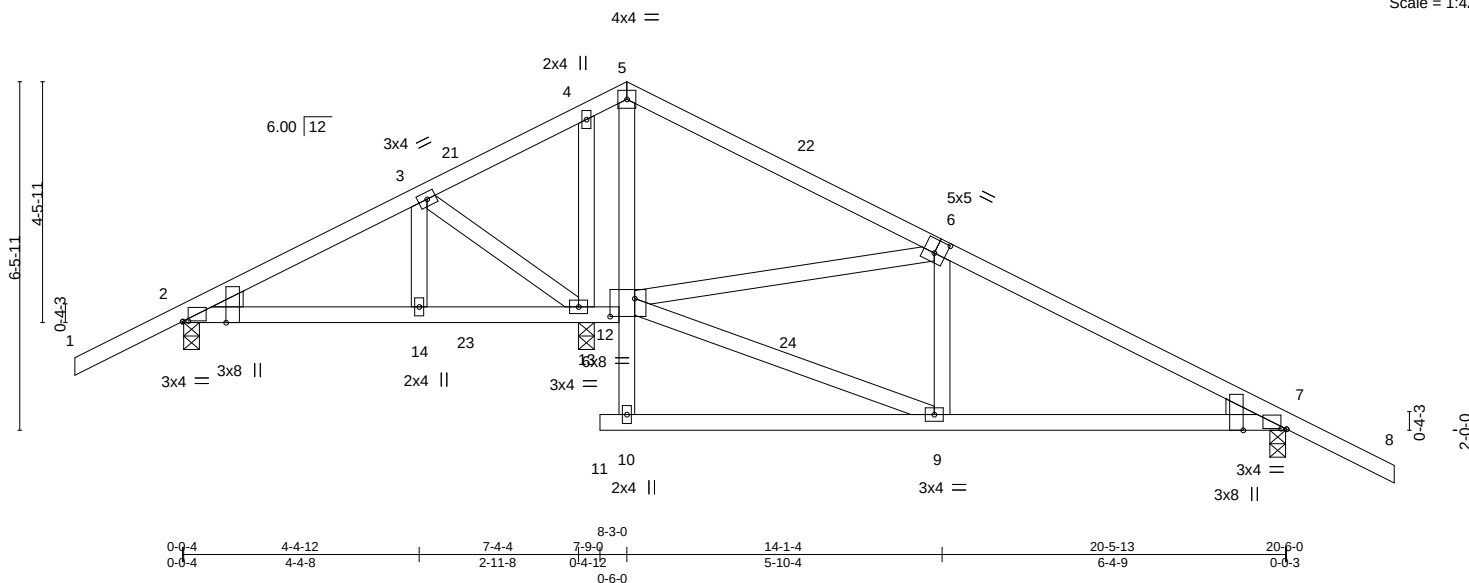


Plate Offsets (X,Y)--		[2:0-0-4,Edge], [2:0-1-4,0-0-2], [6:0-2-8,0-3-0], [7:0-1-4,0-0-2], [7:0-0-4,Edge], [12:0-5-8,0-4-0]																	
LOADING (psf)		SPACING-		2-0-0		CSI.		DEFL.		in (loc)		l/defl		L/d		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL		1.25		TC	0.39	Vert(LL)	-0.04	9-10	>999	360				MT20	244/190		
TCDL	7.0	Lumber DOL		1.25		BC	0.41	Vert(CT)	-0.09	9-10	>999	240							
BCLL	0.0 *	Rep Stress Incr		YES		WB	0.29	Horz(CT)	0.02	7	n/a	n/a							
BCDL	10.0	Code FBC2020/TPI2014				Matrix-MS		Wind(LL)	0.08	9-10	>999	240				Weight: 118 lb	FT = 20%		

LUMBER-

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

WEDGE
Left: 2x4 SP No.2 , Right: 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
8-10-5 oc bracing: 7-9.

REACTIONS.

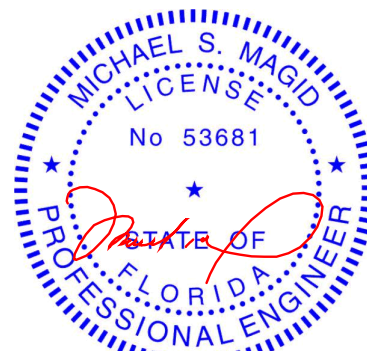
(size) 2=0-3-8, 7=0-3-8, 13=0-3-8
Max Horz 2=104(LC 11)
Max Uplift 2=-145(LC 12), 7=-207(LC 12), 13=-182(LC 12)
Max Grav 2=414(LC 1), 7=617(LC 22), 13=723(LC 1)

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

TOP CHORD 2-3=-303/212, 5-6=-250/112, 6-7=-697/543
BOT CHORD 7-9=-407/592
WEBS 6-12=-465/496, 4-13=-331/195, 9-12=-431/631

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-0 to 1-1-8, Interior(1) 1-1-8 to 8-3-0, Exterior(2R) 8-3-0 to 11-3-0, Interior(1) 11-3-0 to 22-6-0 zone; cantilever left and right exposed; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=145, 7=207, 13=182.



Michael S. Magid PE No.53681
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

November 29,2021

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6904 Parke East Blvd.
Tampa, FL 33610

Job 613840	Truss E02X	Truss Type GABLE	Qty 1	Ply 1	2265-Cr-Tray T26099180
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Tibbetts Lumber Co., LLC,

Ocala, FL - 34472,

8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Nov 29 06:53:08 2021 Page 1

ID:BVCP0onmzlvFXJ68ELDtZyqlf8-3JWYiqM_Vcs1YN04oN4Z0AjkpK3Gf2X17rNbHxyEOz9

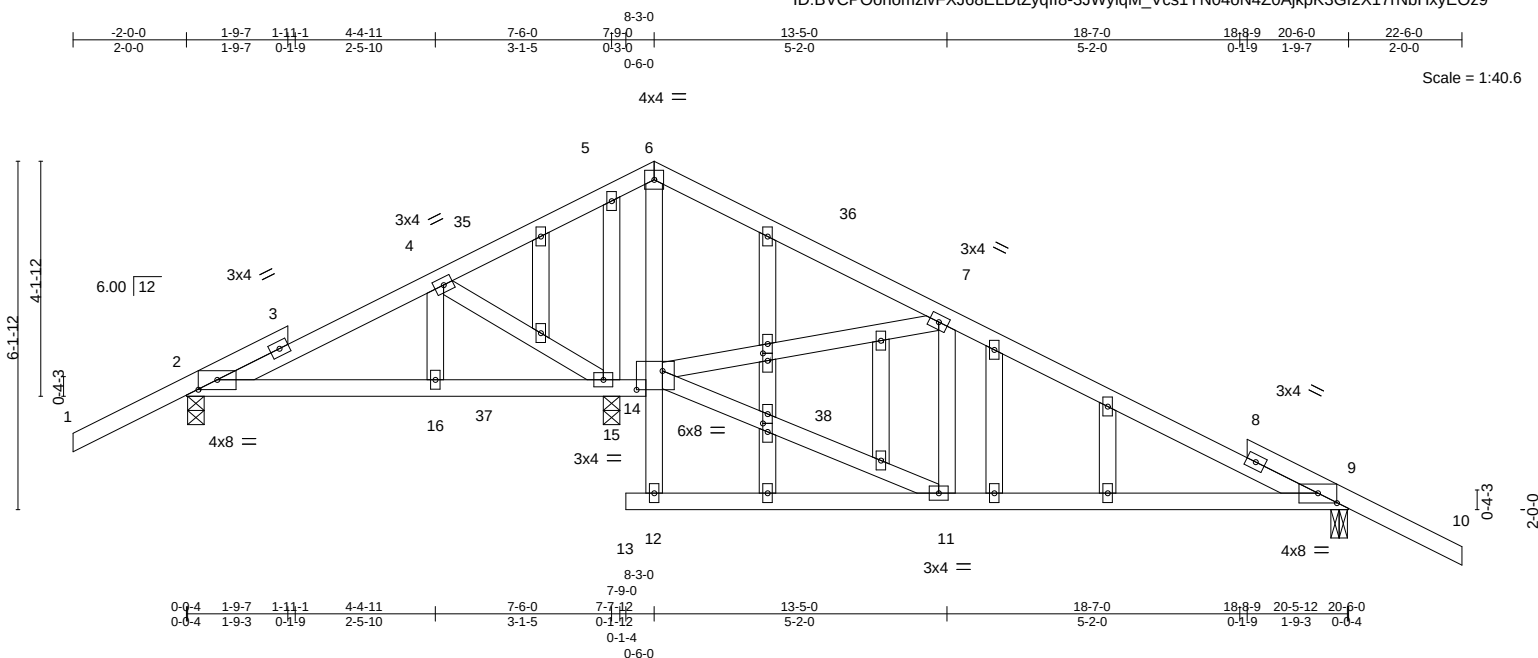


Plate Offsets (X,Y)--		[2:0-4-0,0-2-1], [9:0-4-0,0-2-1], [14:0-5-8,0-4-0], [19:0-1-9,0-1-0], [21:0-1-13,0-1-0]	
LOADING (psf)	SPACING-	2-0-0	CSI.
TCLL 20.0	Plate Grip DOL	1.25	TC 0.45
TCDL 7.0	Lumber DOL	1.25	BC 0.41
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.25
BCDL 10.0	Code	FBC2020/TPI2014	Matrix-MS
		DEFL.	in (loc)
		Vert(LL)	-0.06 11-34
		Vert(CT)	-0.14 11-34
		Horz(CT)	0.01 9
		Wind(LL)	0.12 11-34
		L/d	>999 360
		L/d	>999 240
		L/d	n/a n/a
		L/d	>999 240
		PLATES	MT20
		GRIP	244/190
		Weight:	135 lb
		FT =	20%

LUMBER-

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

BRACING-

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

REACTIONS.

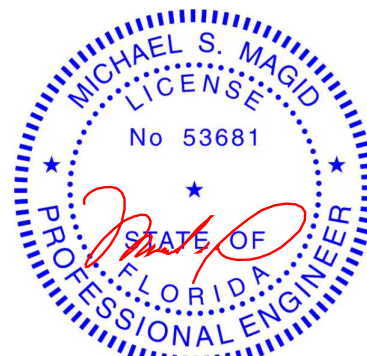
(size) 2=0-3-8, 9=0-3-8, 15=0-3-8
 Max Horz 2=99(LC 11)
 Max Uplift 2=-126(LC 12), 9=-198(LC 12), 15=-212(LC 12)
 Max Grav 2=339(LC 21), 9=573(LC 22), 15=851(LC 1)

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

TOP CHORD 7-9=-557/437
 BOT CHORD 14-15=-141/304, 9-11=-321/486
 WEBS 11-14=-349/527, 7-14=-526/544, 5-15=-407/253

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=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-0 to 1-2-5, Interior(1) 1-2-5 to 8-3-0, Exterior(2R) 8-3-0 to 11-3-0, Interior(1) 11-3-0 to 22-6-0 zone; cantilever left and right exposed; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) 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 studs spaced at 2-0-0 oc.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=126, 9=198, 15=212.



Michael S. Magid PE No.53681
 MiTek USA, Inc. FL Cert 6634
 6904 Parke East Blvd. Tampa FL 33610
 Date:

November 29, 2021

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

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



6904 Parke East Blvd.
 Tampa, FL 33610

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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 0.23	Vert(LL) -0.01 6-9	>999	360	MT20	244/190
TCDL 7.0		Lumber DOL 1.25	BC 0.16	Vert(CT) -0.02 6-9	>999	240		
BCLL 0.0 *		Rep Stress Incr YES	WB 0.08	Horz(CT) -0.00 5	n/a	n/a		
BCDL 10.0		Code FBC2020/TPI2014	Matrix-MS	Wind(LL) 0.02 6-9	>999	240	Weight: 42 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS.

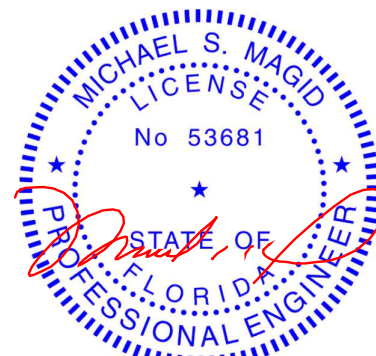
(size) 2=0-3-8, 5=0-4-0
 Max Horz 2=128(LC 12)
 Max Uplift 2=-122(LC 12), 5=-93(LC 12)
 Max Grav 2=404(LC 1), 5=267(LC 1)

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

TOP CHORD 2-3=-330/238
BOT CHORD 2-6=-334/256, 5-6=-334/256
WEBS 3-5=-307/399

NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph, TCDL=4.2psf, BCDL=6.0psf, h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-0 to 1-0-0, Interior(1) 1-0-0 to 7-7-4 zone; cantilever left exposed; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loaddown requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 2=122.



Michael S. Magid PE No.53681
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

November 29, 2021

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

WARNING – Verify design parameters and READ NOTES ON THIS AND INCLUDED WITH REFERENCE TO AISC MP143 (rev. 3/25/2020) BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601.



6904 Parke East Blvd
Tampa, FL 36610

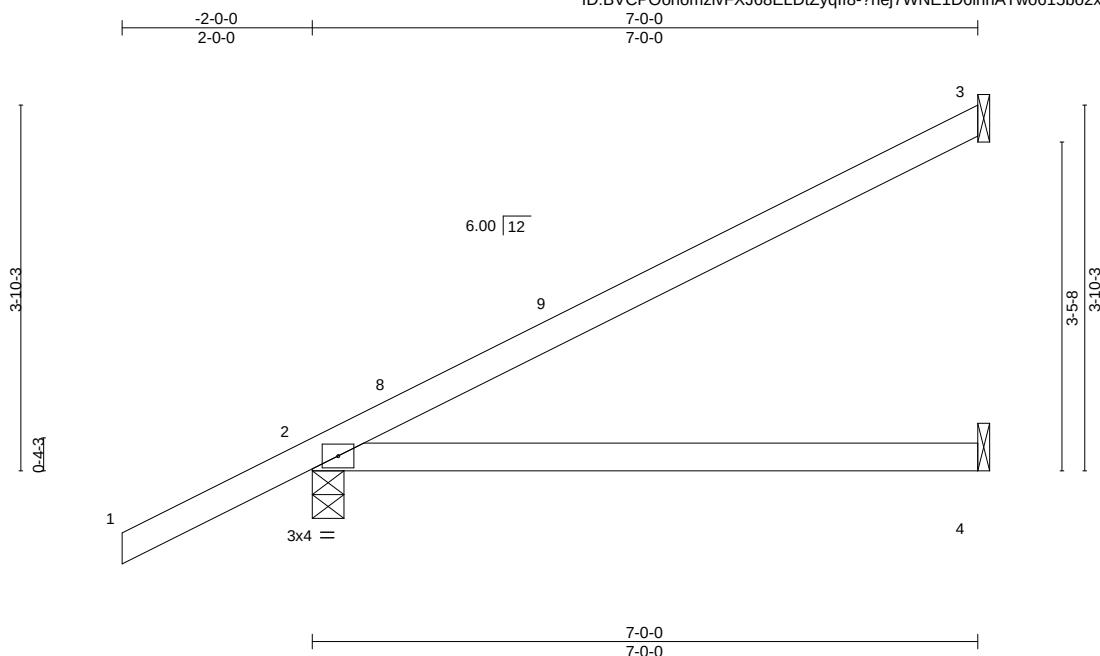
Job 613840	Truss EJ7	Truss Type Jack-Open	Qty 29	Ply 1	2265-Cr-Tray Job Reference (optional)	T26099182
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Tibbetts Lumber Co., LLC,

Ocala, FL - 34472,

8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Nov 29 06:53:10 2021 Page 1

ID:BVCP0onomzlvFXJ68ELDtZyqlf8-?hej7WNE1D6inhATwo615bo2x7kd7?_Kb9shMqyEOz7



Scale: 1/2"=1'

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 0.60	Vert(LL)	-0.09	4-7	>901	360	MT20	244/190
BCDL 7.0	Lumber DOL	1.25	BC 0.50	Vert(CT)	-0.21	4-7	>395	240		
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-MS	Wind(LL)	0.09	4-7	>948	240		
									Weight: 26 lb	FT = 20%

LUMBER-

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

BRACING-

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

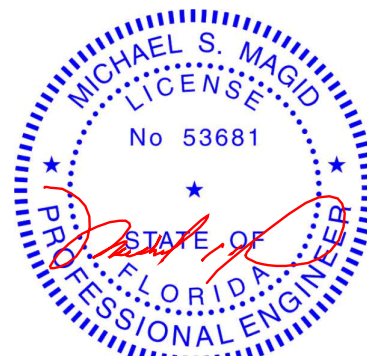
REACTIONS.

(size) 3=Mechanical, 2=0-4-0, 4=Mechanical
Max Horz 2=120(LC 12)
Max Uplift 3=-52(LC 12), 2=-58(LC 12)
Max Grav 3=160(LC 1), 2=380(LC 1), 4=125(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; TCCL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-0 to 1-0-0, Interior(1) 1-0-0 to 6-11-4 zone; cantilever 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.



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6904 Parke East Blvd. Tampa FL 33610
Date:

November 29,2021

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

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

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

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



6904 Parke East Blvd.
Tampa, FL 33610

Job 613840	Truss EJ7T	Truss Type Jack-Open	Qty 4	Ply 1	2265-Cr-Tray	T26099183
Tibbetts Lumber Co., LLC, Ocala, FL - 34472,						8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Nov 29 06:53:11 2021 Page 1
Job Reference (optional)						ID:BVCP00nomzlvFXJ68ELDtZyqlf8-UuCSLsOsoXEcPrfTVdGeoLEQX3_sSEUppcFuGyEOz6

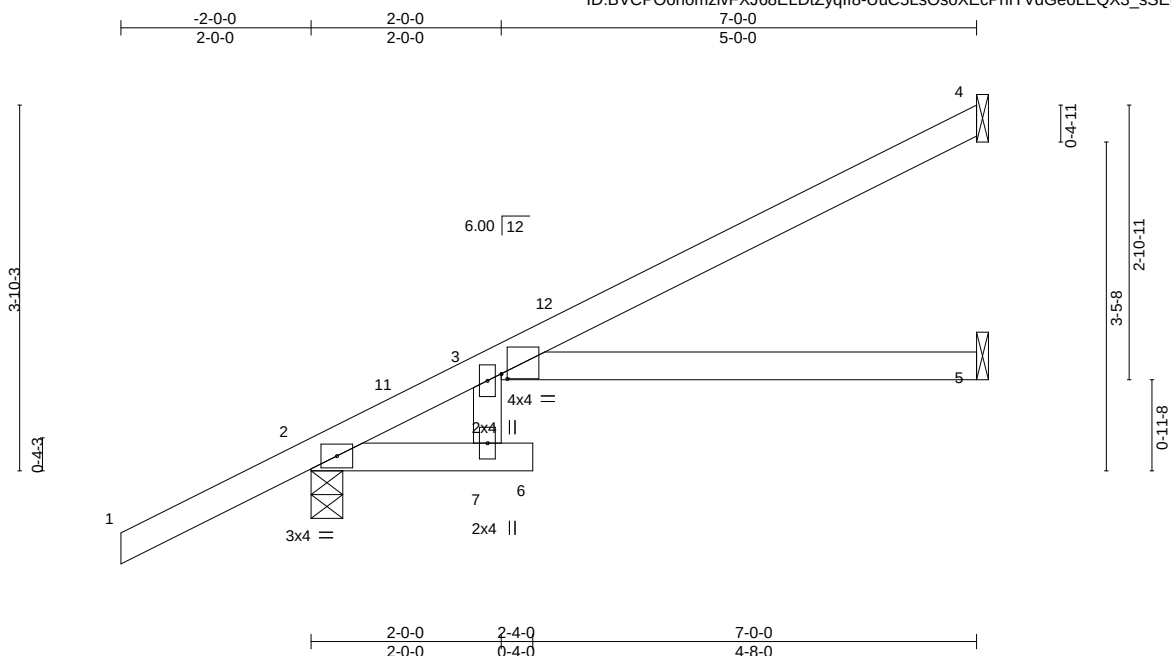


Plate Offsets (X,Y)-- [3:0-0-12,0-0-10]												
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d				PLATES	GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.55	Vert(LL)	-0.12	6	>723	360	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.53	Vert(CT)	-0.24	3-5	>345	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.10	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MR		Wind(LL)	0.13	6	>653	240	Weight: 27 lb	FT = 20%

LUMBER-

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

BRACING-

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

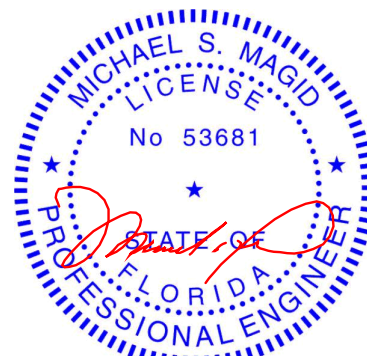
REACTIONS.

(size) 4=Mechanical, 2=0-4-0, 5=Mechanical
Max Horz 2=120(LC 12)
Max Uplift 4=43(LC 12), 2=-54(LC 12)
Max Grav 4=152(LC 1), 2=387(LC 1), 5=122(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=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-0 to 1-0-0, Interior(1) 1-0-0 to 6-11-4 zone; cantilever 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.



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MiTek USA, Inc. FL Cert 6634
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Date:

November 29,2021

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

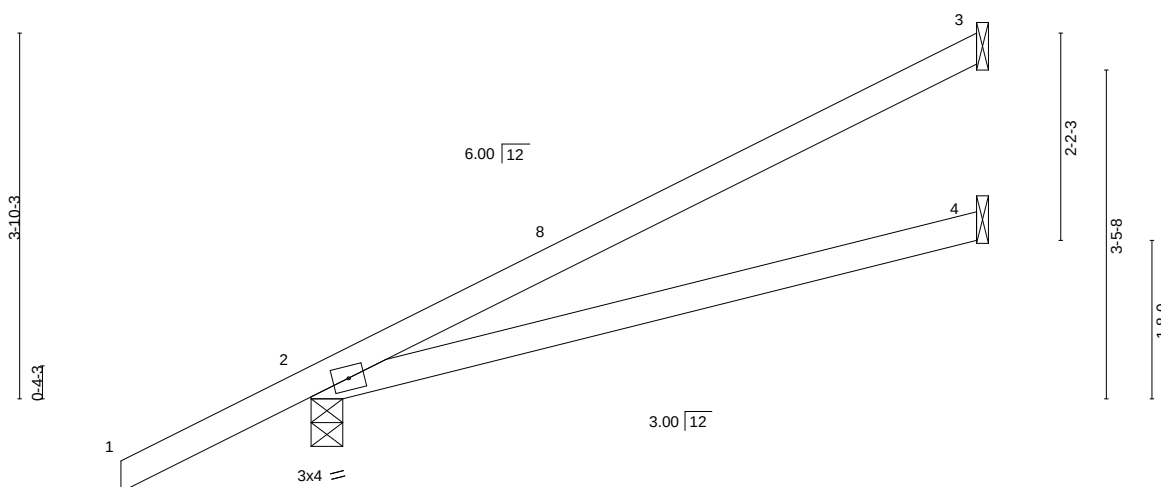
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



6904 Parke East Blvd.
Tampa, FL 36610

Job Reference (optional)

Scale: 1/2"=1'

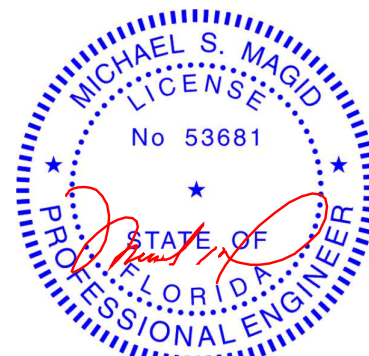
Weight: 26 lb FT = 20%

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

REACTIONS. (size) 3=Mechanical, 2=0-4-0, 4=Mechanical
 Max Horiz 2=120(LC 12)
 Max Uplift 3=-51(LC 12), 2=-57(LC 12)
 Max Grav 3=159(LC 1), 2=380(LC 1), 4=123(LC 3)

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

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCFL=4.2psf; BCFL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl.; GCPI=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-0 to 0-9-7, Interior(1) 0-9-7 to 6-11-4 zone; cantilever 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) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.



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MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

November 29, 2021



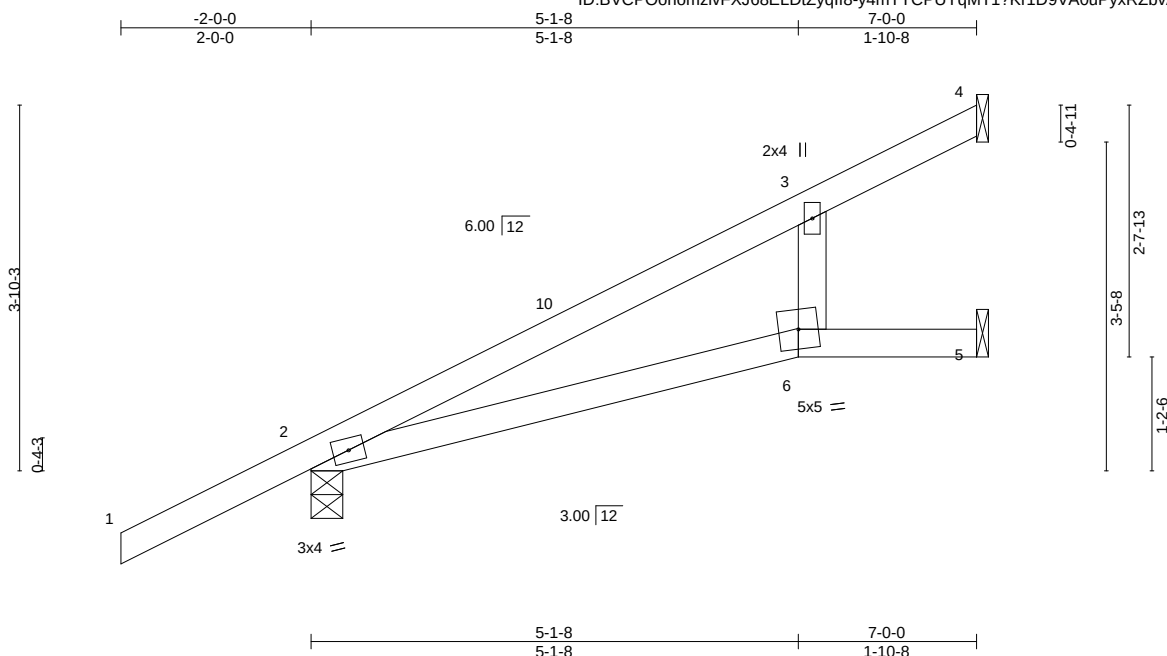
Design valid for use only with MITEK® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personnel injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Code**

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



6904 Parke East Blvd
Tampa, FL 36610

Job 613840	Truss EJ7W	Truss Type Jack-Open	Qty 1	Ply 1	2265-Cr-Tray	T26099185
Tibbetts Lumber Co., LLC, Ocala, FL - 34472,						8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Nov 29 06:53:12 2021 Page 1
Job Reference (optional)						ID:BVCP0onmzlvFXJ68ELDtZyqlf8-y4mTYCUPYqMT1?Kr1D9VA0uPyxRZbvAd2TL0QiyEOz5



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.57	Vert(LL)	-0.12 6-9	>696	360	MT20	244/190
BCDL 7.0	Lumber DOL	1.25	BC 0.45	Vert(CT)	-0.23 6-9	>355	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.02	Horz(CT)	0.05 5	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MS	Wind(LL)	0.14 6-9	>612	240		
								Weight: 28 lb	FT = 20%

LUMBER-

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

BRACING-

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

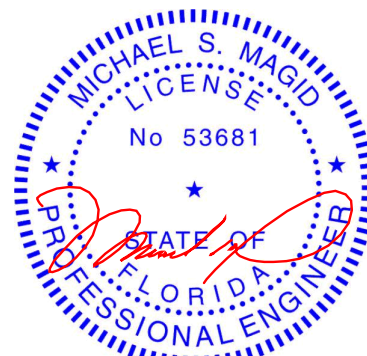
REACTIONS.

(size) 4=Mechanical, 2=0-4-0, 5=Mechanical
Max Horz 2=120(LC 12)
Max Uplift 4=-22(LC 12), 2=-57(LC 12), 5=-3(LC 12)
Max Grav 4=159(LC 1), 2=380(LC 1), 5=82(LC 1)

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; TCCL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-0 to 0-9-7, Interior(1) 0-9-7 to 6-11-4 zone; cantilever 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) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2, 5.



Michael S. Magid PE No.53681
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

November 29,2021

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

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

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

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



6904 Parke East Blvd.
Tampa, FL 36610

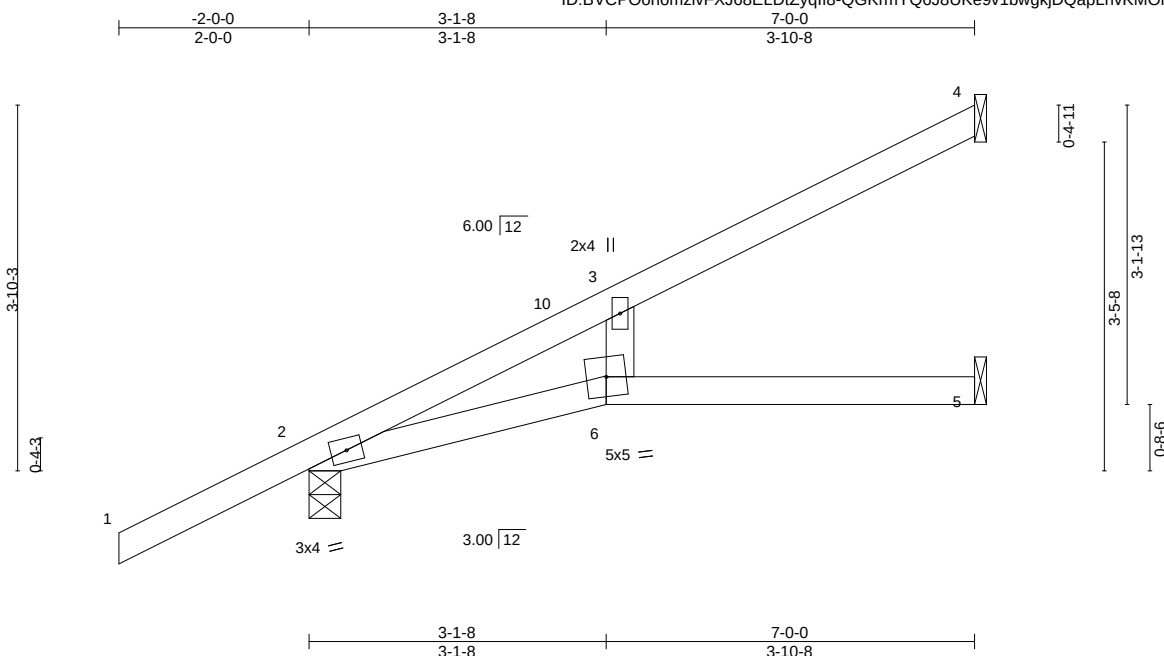
Job 613840	Truss EJ7X	Truss Type Jack-Open	Qty 1	Ply 1	2265-Cr-Tray	T26099186
Job Reference (optional)						

Tibbetts Lumber Co., LLC,

Ocala, FL - 34472,

8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Nov 29 06:53:13 2021 Page 1

ID:BVCP0onmzlvFXJ68ELDIZyqlf8-QGKrmYQ6J8UKe9v1bwgkjDQapLnvKMOmH75My9yEOz4



Scale: 1/2"=1'

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.56	Vert(LL)	-0.15	6	>574	360	MT20
BCDL 7.0	Lumber DOL	1.25	BC 0.38	Vert(CT)	-0.28	6	>302	240	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.02	Horz(CT)	0.07	5	n/a	n/a	
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MS	Wind(LL)	0.16	6	>506	240	
Weight: 27 lb									FT = 20%

LUMBER-

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

BRACING-

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

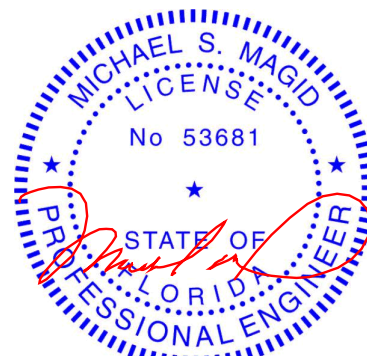
REACTIONS.

(size) 4=Mechanical, 2=0-4-0, 5=Mechanical
Max Horz 2=120(LC 12)
Max Uplift 4=40(LC 12), 2=-57(LC 12)
Max Grav 4=162(LC 1), 2=380(LC 1), 5=102(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; TCCL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-0 to 0-9-7, Interior(1) 0-9-7 to 6-11-4 zone; cantilever 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) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2.



Michael S. Magid PE No.53681
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

November 29,2021

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

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

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

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



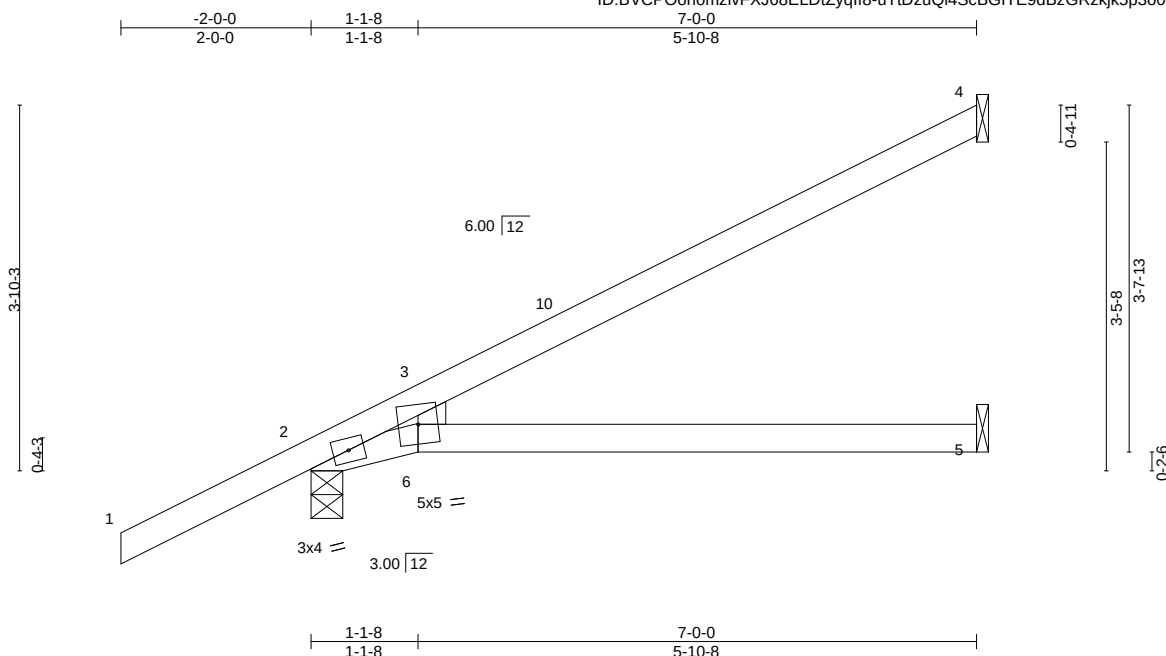
6904 Parke East Blvd.
Tampa, FL 36610

Job 613840	Truss EJ7Y	Truss Type Jack-Open	Qty 1	Ply 1	2265-Cr-Tray Job Reference (optional)	T26099187
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Tibbetts Lumber Co., LLC,

Ocala, FL - 34472,

8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Nov 29 06:53:14 2021 Page 1
ID:BVCP0onmzlvFXJ68ELDtZyqlf8-uTtDzuQl4ScBGITE9dBzGRzjk5p3o0wWnqvVbyEOz3



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)	-0.09	5-6	>935	360	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.46	Vert(CT)	-0.20	5-6	>417	240	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.06	Horz(CT)	0.03	5	n/a	n/a	
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MS	Wind(LL)	0.10	5-6	>813	240	
								Weight: 26 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS.

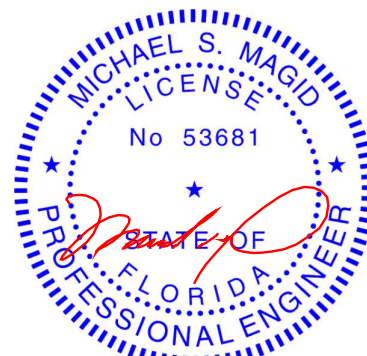
(size) 4=Mechanical, 2=0-4-0, 5=Mechanical
Max Horz 2=120(LC 12)
Max Uplift 4=52(LC 12), 2=57(LC 12)
Max Grav 4=163(LC 1), 2=380(LC 1), 5=120(LC 3)

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

TOP CHORD 2-3=-322/32
WEBS 3-6=-118/337

NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-0 to 0-9-7, Interior(1) 0-9-7 to 6-11-4 zone; cantilever 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) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2.



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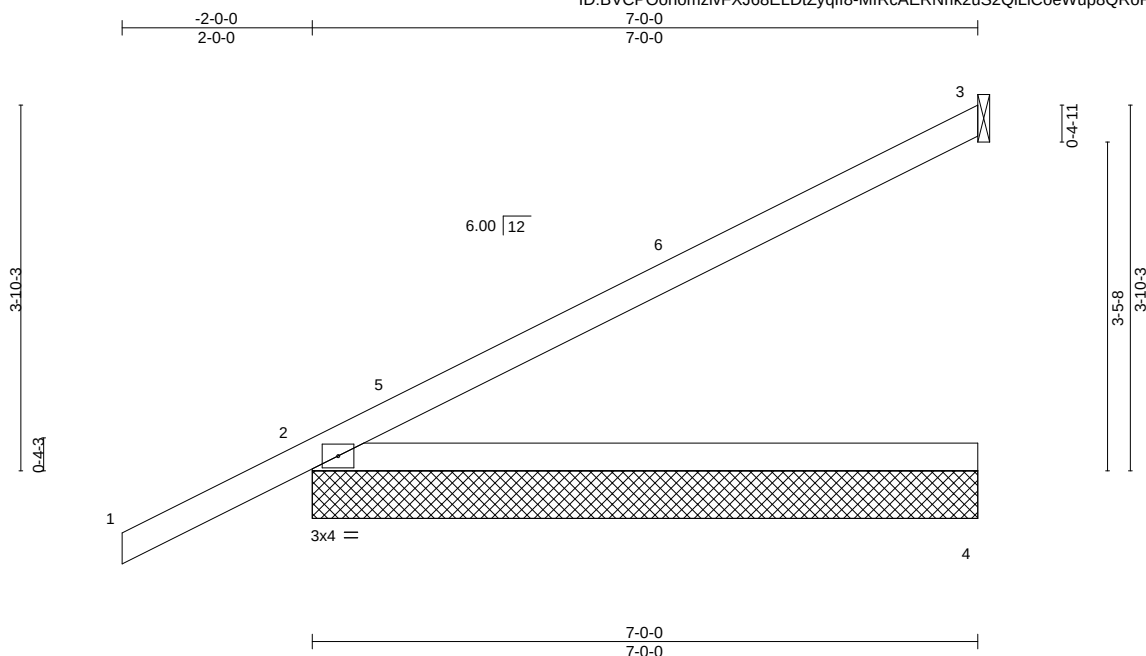
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

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



6904 Parke East Blvd.
Tampa, FL 36610

Job 613840	Truss EJ7Z	Truss Type Jack-Open Supported Gable	Qty 1	Ply 1	2265-Cr-Tray	T26099188
Tibbetts Lumber Co., LLC, Ocala, FL - 34472,						8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Nov 29 06:53:15 2021 Page 1
Job Reference (optional)						ID:BVCP0o0mzlvFXJ68ELDtZyqlf8-MfRcAERNrk2uS2QilCoeWup8QRoFD3kRaS11yEOz2



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 0.66	Vert(LL)	-0.11 2-4	>730	360	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.56	Vert(CT)	-0.24 2-4	>342	240		
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-S	Wind(LL)	0.07 2-4	>999	240	Weight: 26 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS.

All bearings 7-0-0.

(lb) - Max Horz 2=119(LC 12)

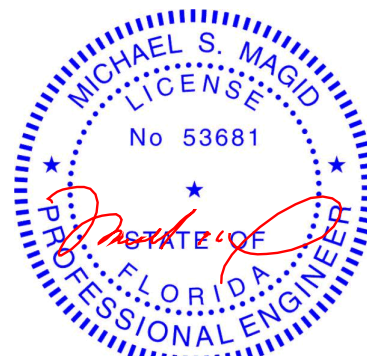
Max Uplift All uplift 100 lb or less at joint(s) 3, 2

Max Grav All reactions 250 lb or less at joint(s) 3, 3, 4 except 2=381(LC 1)

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=6.0psf; h=15ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3E) -2-0-0 to 1-0-0, Exterior(2N) 1-0-0 to 6-11-4 zone; cantilever 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.



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



6904 Parke East Blvd.
Tampa, FL 36610

Job 613840	Truss HJ1	Truss Type Diagonal Hip Girder	Qty 1	Ply 1	2265-Cr-Tray	T26099189
Tibbetts Lumber Co., LLC, Ocala, FL - 34472,						8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Nov 29 06:53:16 2021 Page 1
Job Reference (optional)						ID:BVCP0onomzlvFXJ68ELDtZyqlf8-qr?_OaS?c3svVcdcG2DRLs256YIUXdGDz5J0ZUyEOz1

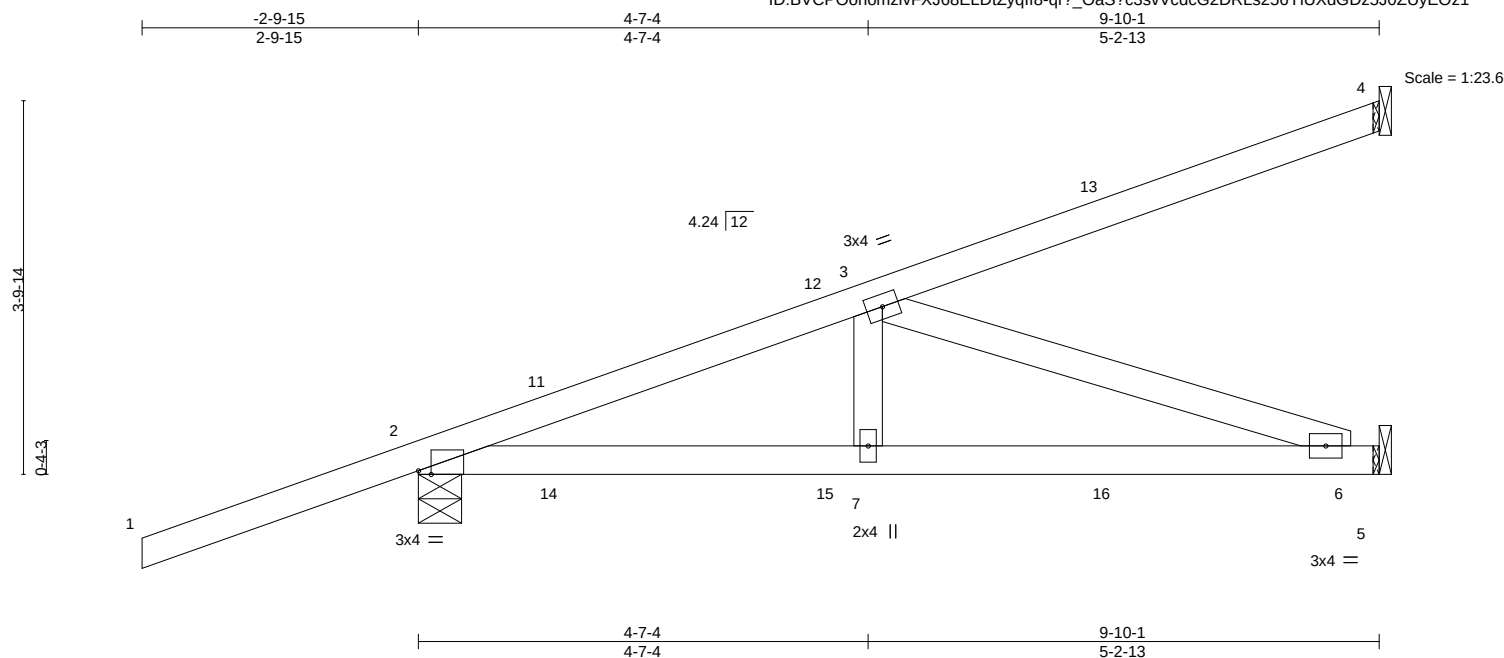


Plate Offsets (X, Y)--		[2:0-1-9, Edge]									
LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0		Plate Grip DOL	1.25	TC 0.56		Vert(LL)	-0.05 6-7	>999	360	MT20	244/190
TCDL 7.0		Lumber DOL	1.25	BC 0.58		Vert(CT)	-0.11 6-7	>999	240		
BCLL 0.0 *		Rep Stress Incr	NO	WB 0.33		Horz(CT)	0.01 5	n/a	n/a		
BCDL 10.0		Code FBC2020/TPI2014		Matrix-MS		Wind(LL)	-0.05 7-10	>999	240	Weight: 44 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS.

(size) 4=Mechanical, 2=0-5-5, 5=Mechanical
Max Horz 2=119(LC 24)
Max Uplift 4=-47(LC 8), 2=-158(LC 8)
Max Grav 4=145(LC 1), 2=514(LC 28), 5=273(LC 29)

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

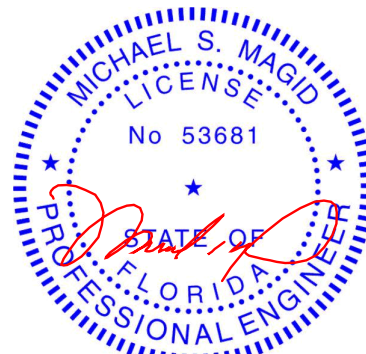
TOP CHORD 2-3=-739/6
BOT CHORD 2-7=-51/653, 6-7=-51/653
WEBS 3-6=-689/54

NOTES-

- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 2=158.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 52 lb down and 103 lb up at 1-4-15, 52 lb down and 103 lb up at 1-4-15, 50 lb down and 26 lb up at 4-2-15, 50 lb down and 26 lb up at 4-2-15, and 76 lb down and 57 lb up at 7-0-14, and 76 lb down and 57 lb up at 7-0-14 on top chord, and 28 lb down and 75 lb up at 1-4-15, 28 lb down and 75 lb up at 1-4-15, 17 lb down and 2 lb up at 4-2-15, 17 lb down and 2 lb up at 4-2-15, and 33 lb down at 7-0-14, and 33 lb down at 7-0-14 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- 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: 11=49(F=24, B=24) 13=-63(F=-31, B=-31) 14=70(F=35, B=35) 15=4(F=2, B=2) 16=-49(F=-25, B=-25)



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Date:

November 29, 2021

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



6904 Parke East Blvd.
Tampa, FL 33610

Job 613840	Truss HJ1T	Truss Type Diagonal Hip Girder	Qty 1	Ply 1	2265-Cr-Tray	T26099190
Tibbetts Lumber Co., LLC, Ocala, FL - 34472,						8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Nov 29 06:53:17 2021 Page 1
ID:BVCP0onmzlvFXJ68ELDtZyqlf8-l1ZMbvTdNN_m7mCpkmkg3bly3eG5dMCI3Z5wyEOz0						Job Reference (optional)

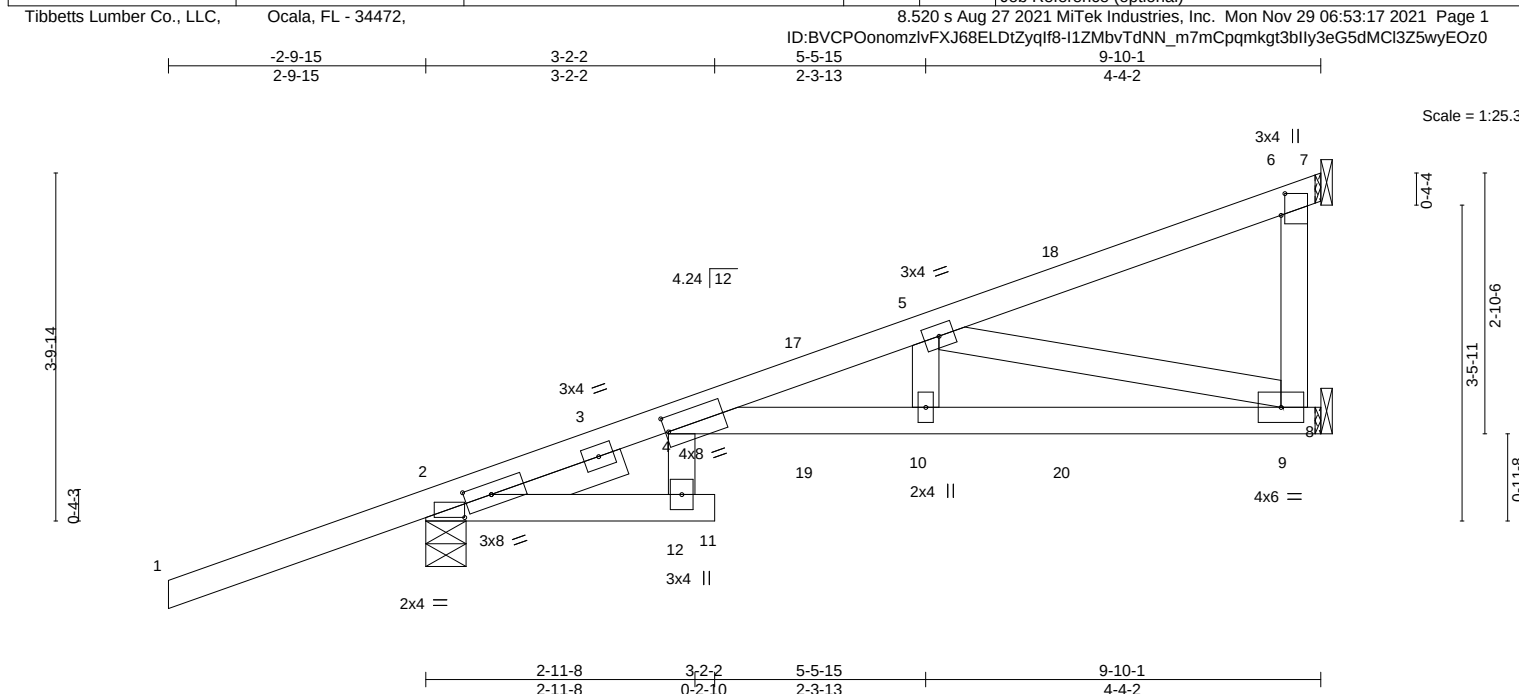


Plate Offsets (X, Y)--		[2:0-3-8,0-1-8], [2:0-3-8,0-3-0], [4:0-0-6,0-1-15], [6:0-2-14,0-0-8]							
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.40	in	(loc)	MT20	GRIP
TCDL	7.0	Lumber DOL	1.25	BC	0.71	in	(loc)		244/190
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.26	in	(loc)		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS		in	(loc)		
								Weight: 49 lb FT = 20%	

LUMBER-		BRACING-	
TOP CHORD	2x4 SP M 31	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
WEBS	2x4 SP No.2		6-0-0 oc bracing: 2-12.
SLIDER	Left 2x4 SP No.2 1-6-0		

REACTIONS.	
(size)	7=Mechanical, 2=0-5-5, 9=Mechanical
Max Horz	2=119(LC 8)
Max Uplift	7=-854(LC 29), 2=-154(LC 8), 9=-101(LC 5)
Max Grav	7=100(LC 5), 2=507(LC 28), 9=1267(LC 29)

FORCES.	
(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	4-14=-714/450, 4-5=-912/0, 6-7=-285/33
BOT CHORD	4-12=-41/309, 4-10=-7/868, 9-10=-6/873
WEBS	5-10=0/270, 5-9=-901/6, 6-9=-993/130

- NOTES-**
- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=854, 2=154, 9=101.
 - 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 53 lb down and 103 lb up at 1-4-15, 53 lb down and 103 lb up at 1-4-15, 51 lb down and 20 lb up at 4-2-15, 51 lb down and 20 lb up at 4-2-15, and 76 lb down and 47 lb up at 7-0-14, and 76 lb down and 47 lb up at 7-0-14 on top chord, and 29 lb down and 73 lb up at 1-4-15, 29 lb down and 73 lb up at 1-4-15, 18 lb down at 4-2-15, 18 lb down at 4-2-15, and 37 lb down at 7-0-14, and 37 lb down at 7-0-14 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: 1-4=-54, 4-6=-54, 12-13=-20, 11-12=-20, 4-8=-20	



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November 29,2021

Continued on page 2

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6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	2265-Cr-Tray	T26099190
613840	HJ1T	Diagonal Hip Girder	1	1	Job Reference (optional)	

Tibbetts Lumber Co., LLC, Ocala, FL - 34472,

8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Nov 29 06:53:17 2021 Page 2
ID:BVCP0onomzlvFXJ68ELDtZyqlf8-l1ZMbvTdNN_m7mCpqmkgT3bllY3eG5dMCI3Z5wyEOz0

LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 14=49(F=24, B=24) 15=66(F=33, B=33) 17=-3(F=-2, B=-2) 18=-47(F=-24, B=-24) 19=-16(F=-8, B=-8) 20=-73(F=-37, B=-37)

Job 613840	Truss PB1	Truss Type Piggyback	Qty 6	Ply 1	2265-Cr-Tray	T26099191
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Tibbetts Lumber Co., LLC,

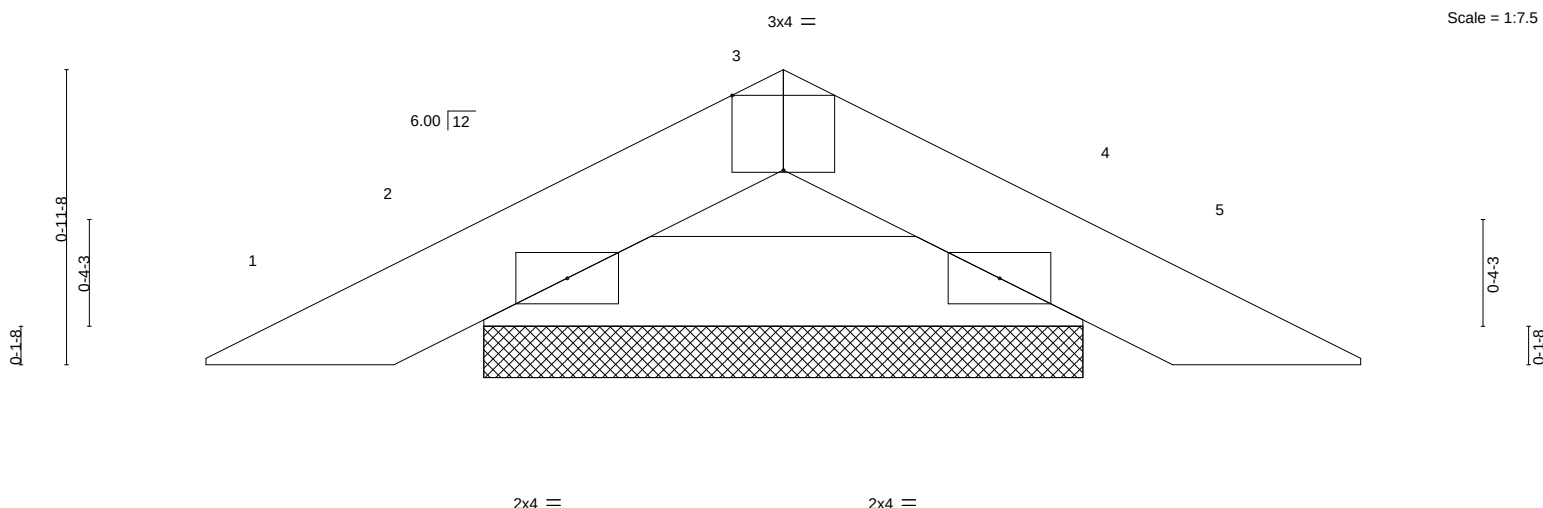
Ocala, FL - 34472,

8.520 s Aug 27 2021 MiTek Industries, Inc. Mon Nov 29 06:53:18 2021 Page 1

ID:BVCP0onmzlvFXJ68ELDTZyqlf8-mE7kpFUF8g6clwn?OTFvQH8ZwMaJ?czWQP07eMyEOz?

1-11-0	3-10-0
1-11-0	1-11-0

Scale = 1:7.5



3-10-0									
3-10-0									
Plate Offsets (X,Y)-- [3:0-2-0,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	0.02	Vert(LL)	-0.00 4 n/r	120	MT20 244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	-0.00 4 n/r	120	
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00 4 n/a n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-P					Weight: 9 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 3-10-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

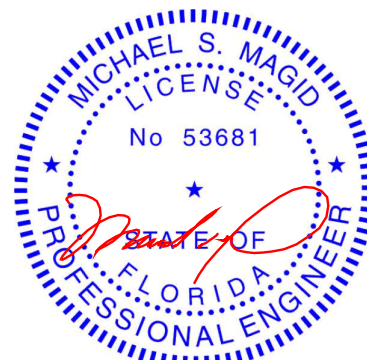
REACTIONS.

(size) 2=1-11-6, 4=1-11-6
Max Horz 2=-13(LC 10)
Max Uplift 2=-20(LC 12), 4=-20(LC 12)
Max Grav 2=104(LC 1), 4=104(LC 1)

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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November 29,2021

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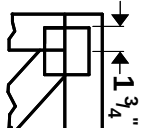
ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



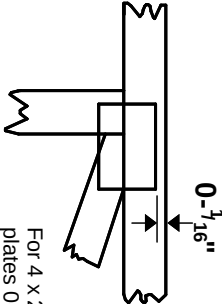
6904 Parke East Blvd.
Tampa, FL 36610

Symbols

PLATE LOCATION AND ORIENTATION



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



For 4 x 2 orientation, locate plates 0- $\frac{3}{16}$ " from outside edge of truss.

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

*** Plate location details available in MITek 20120 software or upon request.**

PLATE SIZE

4 X 4

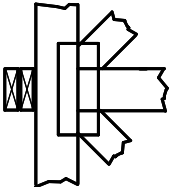
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

BEARING



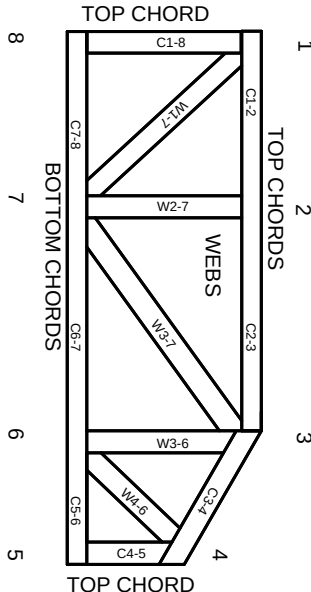
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

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

Numbering System

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



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

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

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

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

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



General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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