



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

RE: 2708484 - WOODMAN PARK - DAWES RES.

MiTek USA, Inc.

6904 Parke East Blvd.
Tampa, FL 33610-4115

Site Information:

Customer Info: Woodman Park Project Name: Dawes Res. Model: Custom
Lot/Block: N/A Subdivision: N/A
Address: TBD Squirrel Court, N/A
City: Columbia Cty State: FL

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

Name: License #:
Address:
City: State:

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

Design Code: FBC2020/TPI2014 Design Program: MiTek 20/20 8.4
Wind Code: N/A Wind Speed: 130 mph
Roof Load: 37.0 psf Floor Load: N/A psf

This package includes 11 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
1	T23190288	T01	3/12/21
2	T23190289	T01G	3/12/21
3	T23190290	T02	3/12/21
4	T23190291	T02G	3/12/21
5	T23190292	T03	3/12/21
6	T23190293	T03G	3/12/21
7	T23190294	T04	3/12/21
8	T23190295	T05	3/12/21
9	T23190296	T06	3/12/21
10	T23190297	T06G	3/12/21
11	T23190298	T07	3/12/21

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

Truss Design Engineer's Name: Finn, Walter

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.



Walter P. Finn PE No. 22839
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

March 12, 2021

Job 2708484	Truss T01	Truss Type ATTIC	Qty 4	Ply 1	WOODMAN PARK - DAWES RES. T23190288
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Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

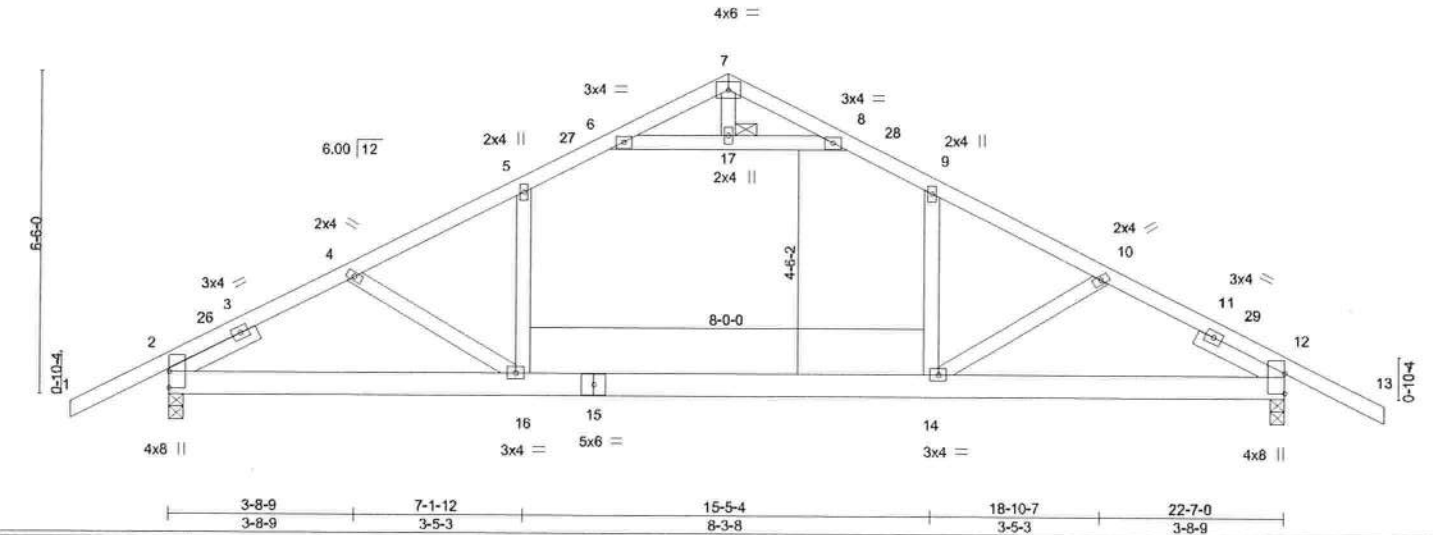
8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Mar 12 12:55:25 2021 Page 1

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Job Reference (optional)

-2-0-0	3-8-9	7-1-12	9-2-1	11-3-8	13-4-15	15-5-4	18-10-7	22-7-0	24-7-0
2-0-0	3-8-9	3-5-3	2-0-5	2-1-7	2-1-7	2-0-5	3-5-3	3-8-9	2-0-0

Scale = 1:43.9



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.57	Vert(LL)	-0.26	14-16	>999	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.66	Vert(CT)	-0.45	14-16	>596		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.38	Horz(CT)	0.03	12	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS	Attic	-0.13	14-16	748		
	Code FBC2020/TPI2014						Weight: 134 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP M 31
BOT CHORD 2x6 SP No.2 *Except*
 12-15: 2x6 SP M 26
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 -1 1-11-8, Right 2x4 SP No.3 -1 1-11-8

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-11-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 17

REACTIONS. (size) 2=0-3-8, 12=0-3-8
 Max Horz 2=99(LC 13)
 Max Uplift 2=100(LC 12), 12=100(LC 13)
 Max Grav 2=1224(LC 2), 12=1224(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1915/99, 4-5=-1790/64, 5-6=-1463/119, 6-7=0/357, 7-8=0/359, 8-9=-1461/120, 9-10=-1801/65, 10-12=-1934/97
BOT CHORD 2-16=-68/1657, 14-16=0/1523, 12-14=-24/1674
WEBS 6-17=-1884/69, 8-17=-1884/69, 5-16=0/611, 9-14=0/624, 10-14=-260/149

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; End., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -2-0-0 to 1-0-0, Interior(1) 1-0-0 to 11-3-8, Exterior(2R) 11-3-8 to 14-3-8, Interior(1) 14-3-8 to 24-7-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Ceiling dead load (5.0 psf) on member(s). 5-6, 8-9, 6-17, 8-17; Wall dead load (5.0psf) on member(s).5-16, 9-14
 - Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 14-16
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=100, 12=100.
 - Attic room checked for L/360 deflection.



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 Date:

March 12,2021

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 Walcott, MD 20801

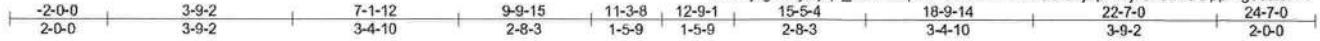
MiTek
 6904 Parke East Blvd.
 Tampa, FL 36610

Job 2708484	Truss T01G	Truss Type GABLE	Qty 1	Ply 1	WOODMAN PARK - DAWES RES. Job Reference (optional)	T23190289
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Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Mar 12 12:55:26 2021 Page 1

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Scale = 1:44.1

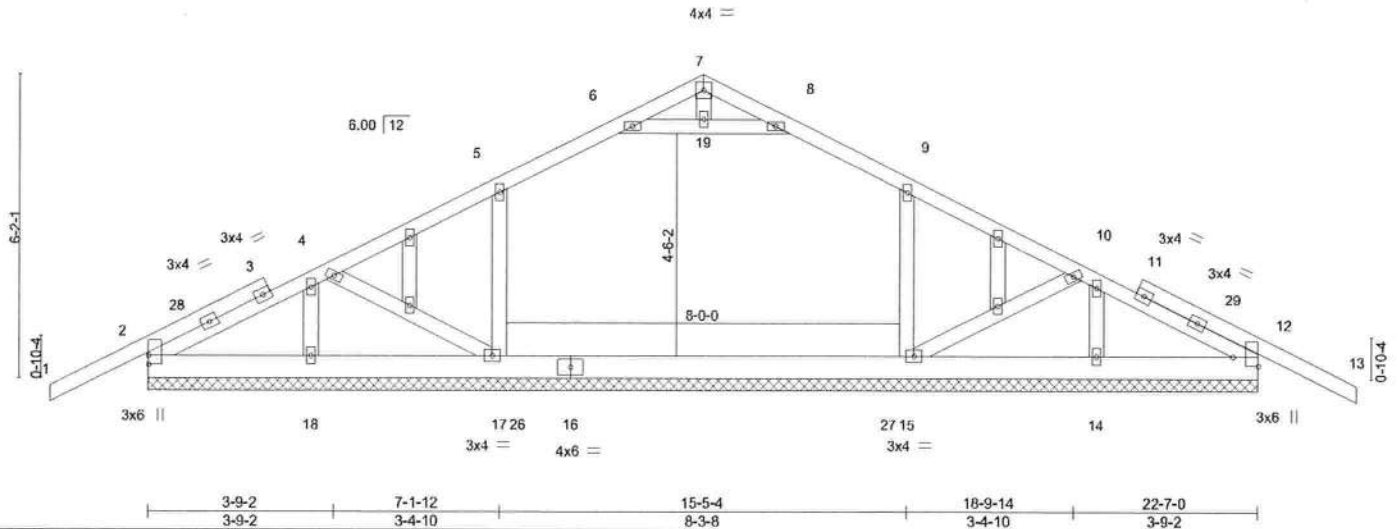


Plate Offsets (X,Y)-- [12:Edge,0-6-3]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.09	Vert(LL)	-0.01	13	n/r	120	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.30	Vert(CT)	-0.01	13	n/r	120		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.08	Horz(CT)	0.01	12	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-S							
									Weight: 141 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP M 31
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

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

REACTIONS. All bearings 22-7-0.
(lb) - Max Horz 2=-94(LC 13)
Max Uplift All uplift 100 lb or less at joint(s) 17, 15 except 2=-104(LC 12), 12=-108(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 18, 14 except 2=488(LC 1), 12=488(LC 1), 17=636(LC 26), 15=636(LC 27)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-538/134, 4-5=-358/66, 5-6=-377/137, 8-9=-377/137, 9-10=-358/66, 10-12=-538/131
BOT CHORD 2-18=-82/424, 17-18=-82/424, 15-17=0/289, 14-15=-50/424, 12-14=-50/424
WEBS 5-17=-283/90, 9-15=-283/89

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; End., GCPI=0.18; MWFRS (envelope) gable end zone and C-C Corner(3E) -2-0-0 to 1-0-0, Exterior(2N) 1-0-0 to 11-3-8, Corner(3R) 11-3-8 to 14-3-8, Exterior(2N) 14-3-8 to 24-7-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 5) All plates are 2x4 MT20 unless otherwise indicated.
- 6) Gable requires continuous bottom chord bearing.
- 7) Gable studs spaced at 2-0-0 oc.
- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 10) Ceiling dead load (5.0 psf) on member(s). 5-6, 8-9, 6-19, 8-19; Wall dead load (5.0psf) on member(s).5-17, 9-15
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 17, 15 except (jt=lb) 2=104, 12=108.
- 12) Attic room checked for L/360 deflection.



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Date:

March 12,2021

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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

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

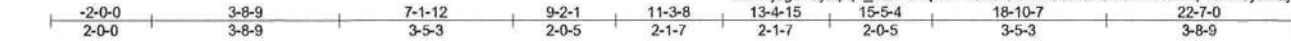


6904 Parke East Blvd.
Tampa, FL 33610

Job 2708484	Truss T02	Truss Type ATTIC	Qty 7	Ply 1	WOODMAN PARK - DAWES RES. Job Reference (optional)	T23190290
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Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Mar 12 12:55:27 2021 Page 1
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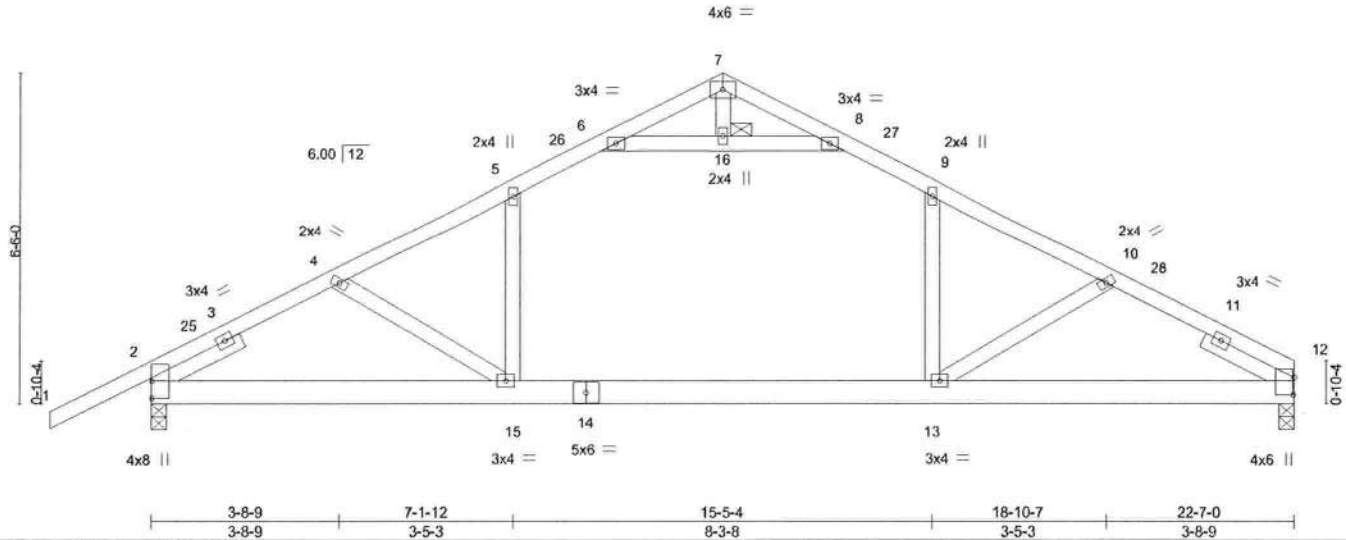


Plate Offsets (X,Y)- [12-0-4-1,0-0-4]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.57	Vert(LL)	-0.26 13-15	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.66	Vert(CT)	-0.45 13-15	>596	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.39	Horz(CT)	0.03 12	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MS	Attic	-0.13 13-15	748	360		
								Weight: 131 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP M 31
BOT CHORD 2x6 SP No.2 *Except*
12-14: 2x6 SP M 26
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 -t 1-11-8, Right 2x4 SP No.3 -t 1-11-8

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-11-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 16

REACTIONS.

(size) 2=0-3-8, 12=0-3-8
Max Horz 2=113(LC 16)
Max Uplift 2=101(LC 12), 12=56(LC 13)
Max Grav 2=1228(LC 2), 12=1132(LC 2)

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

TOP CHORD 2-4=-1924/110, 4-5=-1801/70, 5-6=-1472/123, 6-7=0/358, 7-8=0/361, 8-9=-1470/131,
9-10=-1815/83, 10-12=-1960/129
BOT CHORD 2-15=-84/1656, 13-15=0/1533, 12-13=-76/1704
WEBS 6-16=-1898/86, 8-16=-1898/86, 5-15=0/611, 9-13=0/629, 10-13=-289/160

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; End., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -2-0-0 to 1-0-0, Interior(1) 1-0-0 to 11-3-8, Exterior(2R) 11-3-8 to 14-3-8, Interior(1) 14-3-8 to 22-7-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Ceiling dead load (5.0 psf) on member(s). 5-6, 8-9, 6-16, 8-16; Wall dead load (5.0psf) on member(s).5-15, 9-13
- Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 13-15
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12 except (jt=lb) 2=101.
- Attic room checked for L/360 deflection.



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Date:

March 12,2021



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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 **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

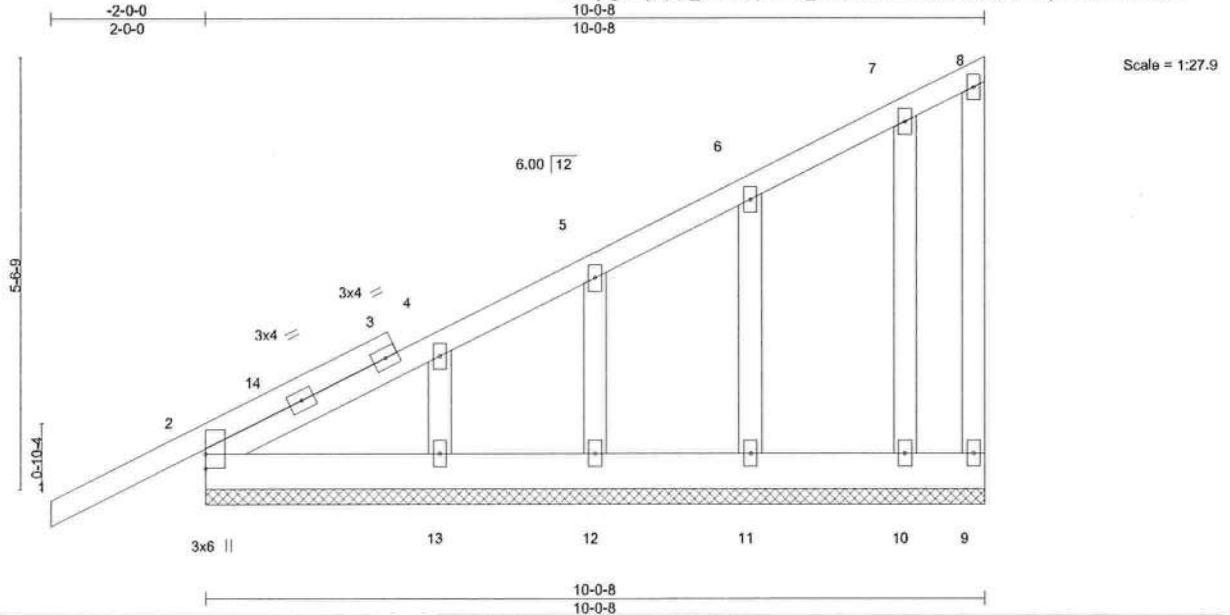


6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK - DAWES RES.
2708484	T02G	Monopitch Supported Gable	1	1	T23190291

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Mar 12 12:55:28 2021 Page 1
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.23	Vert(LL)	0.01	1	n/r	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.03	Vert(CT)	-0.00	1	n/r		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.05	Horz(CT)	-0.00	9	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-S					Weight: 72 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

BRACING-

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

REACTIONS.

All bearings 10-0-8.
(lb) - Max Horz 2=191(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 2, 9, 12, 13, 11, 10
Max Grav All reactions 250 lb or less at joint(s) 2, 9, 12, 13, 11, 10

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

TOP CHORD 2-4--282/99

NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; End., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Corner(3E)-2-0-0 to 1-0-0, Exterior(2N) 1-0-0 to 9-10-12 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) All plates are 2x4 MT20 unless otherwise indicated.
- 5) Gable requires continuous bottom chord bearing.
- 6) Gable studs spaced at 2-0-0 oc.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 9, 12, 13, 11, 10.



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6904 Parke East Blvd. Tampa FL 33610
Date:

March 12,2021



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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 Walkers, MD 20601



6904 Parke East Blvd.
Tampa, FL 36610

Job 2708484	Truss T03	Truss Type Roof Special	Qty 2	Ply 1	WOODMAN PARK - DAWES RES. Job Reference (optional)	T23190292
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Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Mar 12 12:55:29 2021 Page 1

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2-0-0 5-0-0 5-1-0 4-8-11 4-11-13 4-11-13 6-4-11 5-5-0 3-4-10 4-7-7 2-0-0

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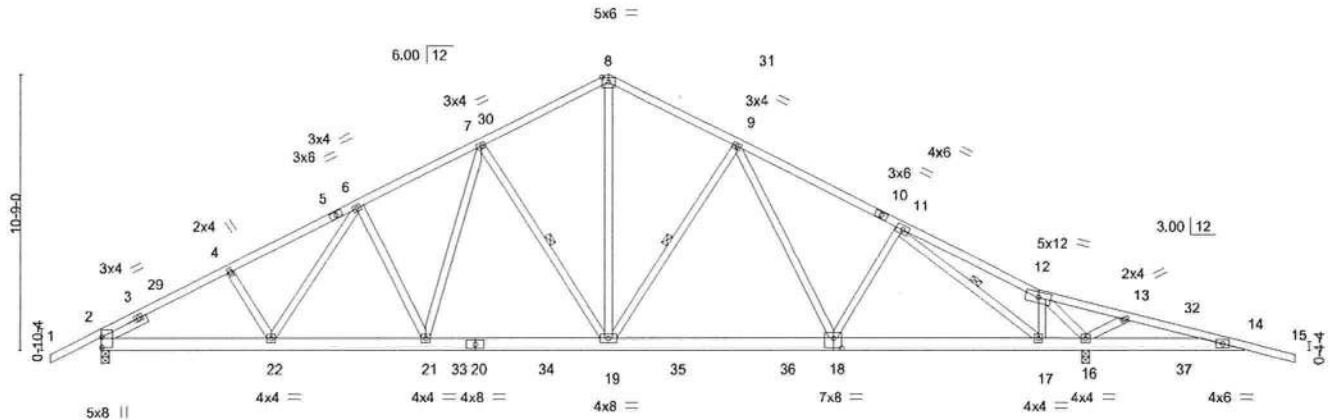


Plate Offsets (X,Y)~ [18-0-4-0,0-4-8]									
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d		PLATES GRIP	
TCLL 20.0		Plate Grip DOL 1.25		TC 0.61		Vert(LL) -0.16 18-19 >999 240		MT20	244/190
TCDL 7.0		Lumber DOL 1.25		BC 0.77		Vert(CT) -0.27 18-19 >999 180			
BCLL 0.0 *		Rep Stress Incr YES		WB 0.56		Horz(CT) 0.07 16 n/a n/a			
BCDL 10.0		Code FBC2020/TPI2014		Matrix-MS				Weight: 300 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 - 1-11-8

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-10-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
6-0-0 oc bracing: 14-16.
WEBS 1 Row at midpt 7-19, 9-19, 11-17

REACTIONS.

(size) 2=0-3-8, 16=0-3-8
Max Horz 2=165(LC 16)
Max Uplift 2=335(LC 12), 16=471(LC 13)
Max Grav 2=1607(LC 2), 16=2206(LC 2)

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

TOP CHORD 2-4=-2489/539, 4-6=-2407/553, 6-7=-2178/550, 7-8=-1627/462, 8-9=-1631/454,
9-11=-2005/381, 11-12=-863/138, 12-13=-1275/1354, 13-14=-1156/1107
BOT CHORD 2-22=-505/2195, 21-22=-408/2056, 19-21=-288/1765, 18-19=-184/1639, 17-18=-200/1758,
16-17=-51/850, 14-16=-1048/1165
WEBS 6-21=-343/188, 7-21=-144/596, 7-19=-645/269, 8-19=-276/1211, 9-19=-446/220,
9-18=-44/335, 11-17=-1662/1061, 12-17=-526/1137, 12-16=-2465/807, 13-16=-289/182

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; End., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -2-0-0 to 2-5-8, Interior(1) 2-5-8 to 19-9-8, Exterior(2R) 19-9-8 to 24-3-0, Interior(1) 24-3-0 to 46-7-0 zone; cantilever 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=335, 16=471.



Walter P. Finn PE No.22839
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

March 12, 2021



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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 **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

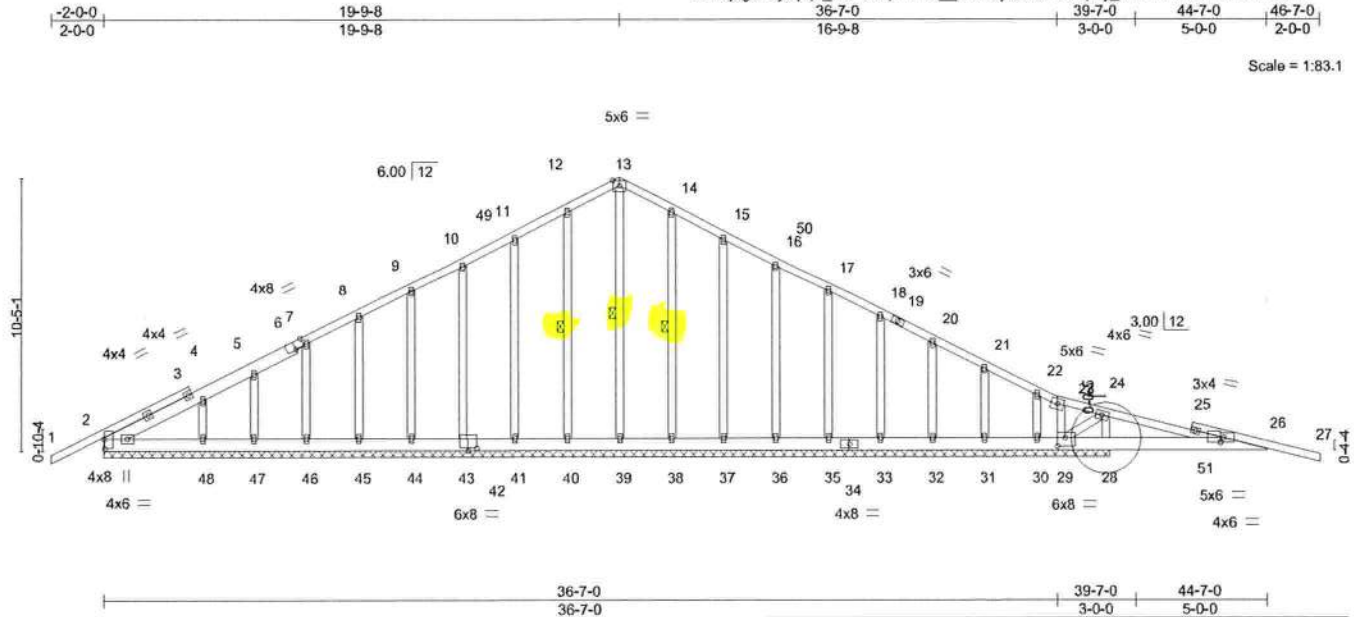


6904 Parke East Blvd.
Tampa, FL 33610

Job 2708484	Truss T03G	Truss Type GABLE	Qty 1	Ply 1	WOODMAN PARK - DAWES RES. T23190293
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Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Mar 12 12:55:32 2021 Page 1
ID:RijugoliQj9qlqT_5CiYdzq7NP-2l_uZMCyl0ussP79Qphy_G31mK0uz9i207UDXzbIVP



Scale = 1:83.1

Plate Offsets (X,Y)- [2:0-4-4,0-0-5], [6:0-3-14,Edge], [26:0-1-4,0-2-0], [26:0-1-4,0-2-2], [29:0-3-8,0-3-12], [42:0-4-0,0-1-4]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.48	Vert(LL)	-0.05 26-27	n/r	120	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.34	Vert(CT)	-0.09 26-27	n/r	120		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.67	Horz(CT)	0.01 28	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-S					Weight: 342 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-3-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-8-3 oc bracing.
WEBS 1 Row at midpt 13-39, 12-40, 14-38

REACTIONS. All bearings 38-7-0.
(lb) - Max Horz 2=157(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 2, 40, 41, 43, 44, 45, 46, 47, 48, 38, 37, 36, 35, 33, 32, 31,
30 except 29=1303(LC 1), 28=998(LC 9)
Max Grav All reactions 250 lb or less at joint(s) 39, 40, 41, 43, 44, 45, 46, 47, 48, 38, 37, 36, 35, 33, 32,
31, 30 except 2=253(LC 23), 29=739(LC 9), 28=1879(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 24-26=-1154/1567
BOT CHORD 28-29=-1500/1165, 26-28=-1500/1165
WEBS 24-28=-1545/993, 24-29=-1189/1753

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; End.,
GCpi=0.18; MWFRS (envelope) gable end zone and C-C Corner(3E) -2-0-0 to 2-5-8, Exterior(2N) 2-5-8 to 19-9-8, Corner(3R) 19-9-8
to 24-3-0, Exterior(2N) 24-3-0 to 46-7-0 zone; cantilever 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 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, 40, 41, 43, 44,
45, 46, 47, 48, 38, 37, 36, 35, 33, 32, 31, 30 except (jt=lb) 29=1303, 28=998.
- Non Standard bearing condition. Review required.
- Following joints to be plated by qualified designer: Joint(s) 28, not plated.
- This truss has large uplift reaction(s) from gravity load case(s). Proper connection is required to secure truss against upward
movement at the bearings. Building designer must provide for uplift reactions indicated.



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Date:

March 12, 2021

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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	Truss	Truss Type	Qty	Ply	WOODMAN PARK - DAWES RES.
2708484	T04	Roof Special	3	1	T23190294

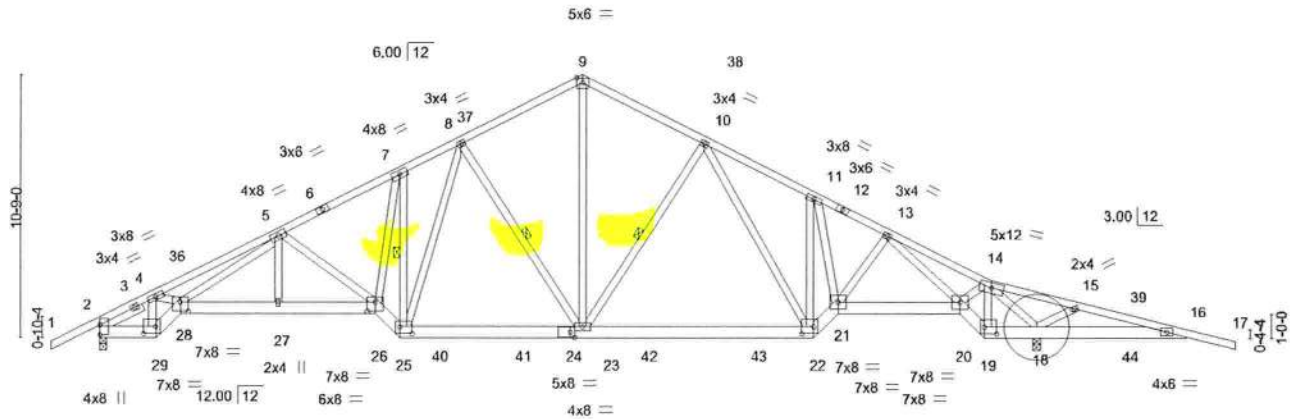
Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8,430 s Feb 12 2021 MiTek Industries, Inc. Fri Mar 12 12:55:34 2021 Page 1

ID:IRijugoliQj9qlqT_5CvYdzq7NP-786kJFNSUvGc6AZVHrs92PLM1ZwEMPm_VKcalPzbIVN

2-0-0 2-3-8 7-3-8 12-3-8 14-9-11 19-9-8 24-9-5 29-3-8 32-3-8 35-3-8 36-7-0 39-11-9 44-7-0 46-7-0
2-0-0 2-3-8 5-0-0 5-0-0 2-6-3 4-11-13 4-11-13 4-6-3 3-0-0 3-0-0 1-3-8 3-4-10 4-7-7 2-0-0

Scale = 1:88.9



2-3-8 3-3-8 7-3-8 11-3-8 12-3-8 19-9-8 29-3-8 30-3-8 35-3-8 36-3-8 38-7-0 44-7-0 2-3-8 1-0-0 4-0-0 4-0-0 1-0-0 7-6-0 9-6-0 1-0-0 5-0-0 1-0-0 2-3-8 6-0-0									
Plate Offsets (X,Y)- [19:0-6-0,0-3-8], [22:0-6-0,0-3-8], [24:0-2-0,0-2-8], [25:0-6-0,0-3-8], [26:0-4-0,0-4-8], [28:0-4-0,0-4-8], [29:0-6-0,0-3-8]									
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.		PLATES GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.64	Vert(LL)	-0.25 26 >999 240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.74	Vert(CT)	-0.43 26-27 >999 180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.94	Horz(CT)	0.25 18 n/a n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS				Weight: 336 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 - 1-11-8

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 7-25, 8-23, 10-23

REACTIONS. (size) 2=0-3-8, 18=0-3-8
Max Horz 2=165(LC 16)
Max Uplift 2=-335(LC 12), 18=-471(LC 13)
Max Grav 2=1608(LC 2), 18=2208(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-2249/463, 4-5=-4117/881, 5-7=-2621/588, 7-8=-2181/582, 8-9=-1635/458, 9-10=-1636/450, 10-11=-2011/410, 11-13=-2392/377, 13-14=-2241/288, 14-15=-1283/1372, 15-16=-1158/1114
BOT CHORD 2-29=-482/1934, 28-29=-580/2334, 27-28=-634/2982, 26-27=-634/2981, 25-26=-443/2473, 23-25=-290/1769, 22-23=-185/1631, 21-22=-264/2344, 20-21=-244/2201, 19-20=-76/990, 18-19=-65/789, 16-18=-1054/1168
WEBS 4-29=-1614/431, 4-28=-433/2133, 5-28=-253/926, 5-27=-19/373, 5-26=-849/271, 7-26=-407/2025, 7-25=-1928/468, 8-25=-192/621, 8-23=-636/275, 9-23=-265/1212, 10-23=-417/220, 10-22=-94/368, 11-22=-1572/218, 11-21=-182/1636, 13-20=-679/867, 14-20=-161/1690, 14-19=-753/64, 14-18=-2392/802, 15-18=-306/190

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; End., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -2-0-0 to 2-5-8, Interior(1) 2-5-8 to 19-9-8, Exterior(2R) 19-9-8 to 24-3-0, Interior(1) 24-3-0 to 46-7-0 zone; cantilever 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=335, 18=471.
 - Following joints to be plated by qualified designer: Joint(s) 18, not plated.



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Date:

March 12,2021

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6904 Parke East Blvd.
Tampa, FL 33610

Job 2708484	Truss T05	Truss Type Roof Special	Qty 11	Ply 1	WOODMAN PARK - DAWES RES.	T23190295
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Builders FirstSource, Lake City, FL 32055

Job Reference (optional)

8.430 s Nov 30 2020 MiTek Industries, Inc. Fri Mar 12 17:04:42 2021 Page 1
ID:FRijugoliQj9qlqT_5CiYdzq7NP-hXqYdHsd?alPFF8EMwDve_Lgk05lD9XJzrX3bgzbck3

-2-0-0	5-9-4	11-3-8	15-1-15	19-9-8	24-9-8	30-5-0	36-7-0	38-3-8	44-7-0	46-7-0
2-0-0	5-9-4	5-6-4	3-10-7	4-7-9	5-0-0	5-7-8	6-2-0	1-8-8	6-3-8	2-0-0

Scale = 1:81.1

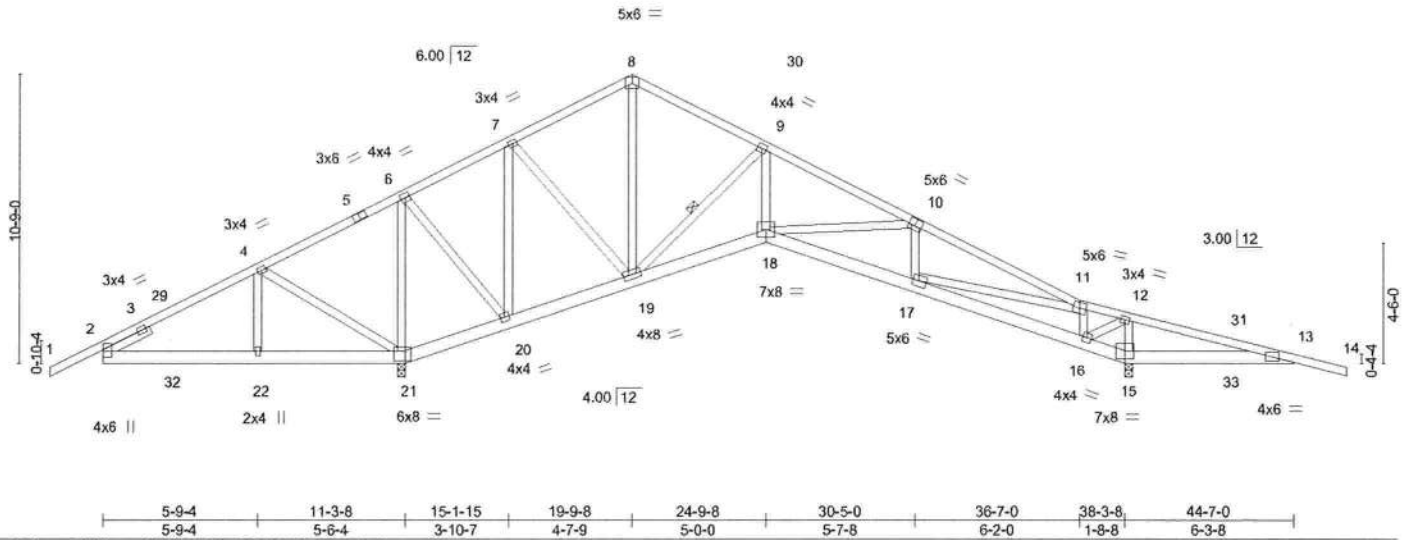


Plate Offsets (X,Y) - [10:0-3-0,0-3-0], [21:0-5-4,0-4-4]

LOADING (psf)	SPACING-	CSL.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.54	Vert(LL)	-0.10	17-18	>999	240	
TCDL 7.0	Plate Grip DOL 1.25	BC 0.28	Vert(CT)	-0.18	17-18	>999	180	
BCLL 0.0 *	Lumber DOL 1.25	WB 0.95	Horz(CT)	0.12	15	n/a	n/a	
BCDL 10.0	Rep Stress Incr YES	Matrix-MS						
	Code FBC2020/TPI2014							
							Weight: 292 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 -< 1-11-8

BRACING-

TOP CHORD Sheathed or 4-3-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-11-5 oc bracing.
WEBS 1 Row at midpt 9-19

REACTIONS.

(lb/size) 21=2083/0-3-8, 15=1432/0-3-8
Max Horz 21=165(LC 16)
Max Uplift 21=474(LC 12), 15=397(LC 13)
Max Grav 21=2083(LC 1), 15=1509(LC 24)

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

TOP CHORD 2-3=-322/458, 3-29=-533/546, 4-29=-533/625, 4-5=-1027/1020, 5-6=-1013/1137,
6-7=-670/522, 7-8=-392/151, 8-30=-393/117, 9-30=-439/89, 9-10=-1329/98,
10-11=-1463/181, 11-12=-1397/577, 12-31=-1326/1352, 13-31=-1333/1304
BOT CHORD 2-32=-493/575, 22-32=-493/575, 21-22=-493/575, 20-21=-1066/1184, 19-20=-460/907,
18-19=0/1194, 17-18=-21/1317, 16-17=-541/1538, 15-16=-1446/1446, 15-33=-1278/1347,
13-33=-1278/1347
WEBS 4-22=-384/289, 4-21=-552/628, 6-21=-1382/569, 6-20=-401/1062, 7-20=-969/431,
7-19=-267/680, 8-19=-239/471, 9-19=-1122/128, 9-18=0/892, 10-18=-268/175,
10-17=-269/186, 11-17=-587/1649, 11-16=-741/195, 12-16=-195/1040, 12-15=-937/226

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; End., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -2-0-0 to 2-5-8, Interior(1) 2-5-8 to 19-9-8, Exterior(2R) 19-9-8 to 24-3-0, Interior(1) 24-3-0 to 46-7-0 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 474 lb uplift at joint 21 and 397 lb uplift at joint 15.

LOAD CASE(S) Standard



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MiTek USA, Inc. FL Cert 6634
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Date:

March 12,2021



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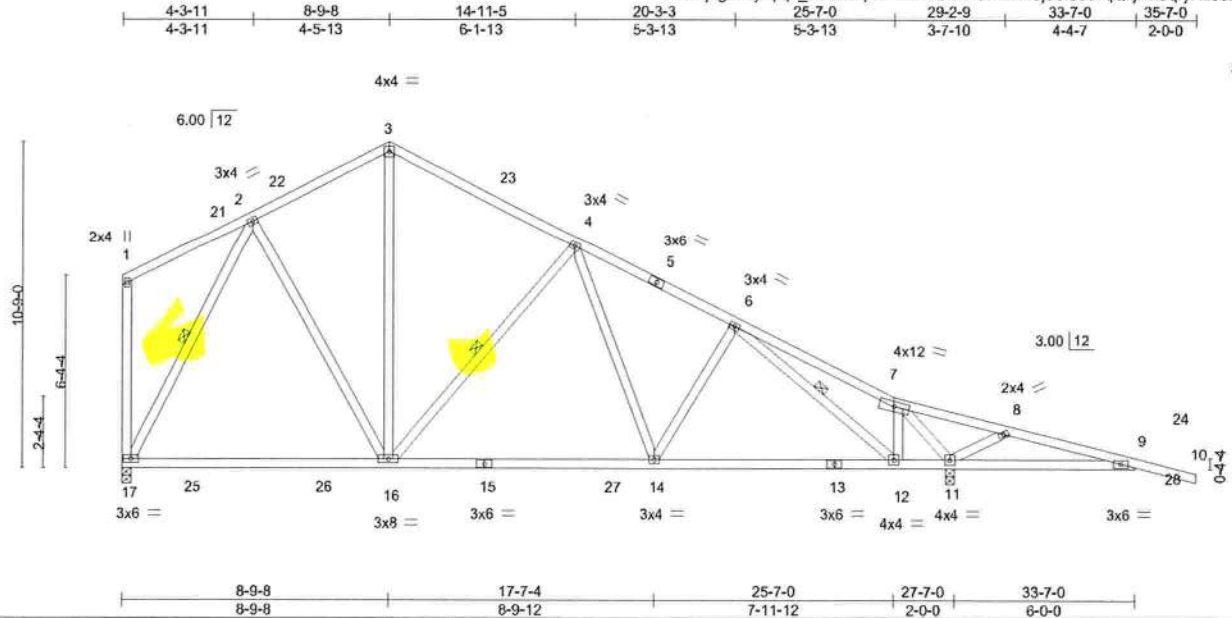
6904 Parke East Blvd.
Tampa, FL 33610

Job 2708464	Truss T06	Truss Type ROOF SPECIAL	Qty 2	Ply 1	WOODMAN PARK - DAWES RES. T23190296
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Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Mar 12 12:55:36 2021 Page 1

ID: fRijugdiQ9qlqT_5CiYdzq7NP-xWDUkxPi0XWKLJjuOGud7qQkjNZUqyHze5hMlzbFVL



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/deff	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.50	Vert(LL)	-0.24	16-17	>999	240	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.95	Vert(CT)	-0.39	16-17	>840	180	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.42	Horz(CT)	0.03	11	n/a	n/a	
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MS						
								Weight: 211 lb	FT = 20%

LUMBER-

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

REACTIONS.

(size) 11=0-3-8, 17=0-3-8
Max Horz 17=-288(LC 13)
Max Uplift 11=-400(LC 13), 17=-183(LC 13)
Max Grav 11=1771(LC 2), 17=1085(LC 2)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-746/238, 3-4=-767/219, 4-6=-1222/234, 6-7=-826/261, 7-8=-1241/1369,
8-9=-1066/1052
BOT CHORD 16-17=-4/536, 14-16=-26/979, 12-14=-48/1094, 11-12=-111/832, 9-11=-988/1066
WEBS 2-16=-55/425, 3-16=-67/411, 4-16=-497/223, 4-14=-34/350, 6-12=-1251/932,
7-12=-475/981, 7-11=-1976/674, 8-11=-365/255, 2-17=-940/222

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; End., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-1-12 to 3-6-1, Interior(1) 3-6-1 to 8-9-8, Exterior(2R) 8-9-8 to 12-1-13, Interior(1) 12-1-13 to 35-7-0 zone; cantilever 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=400, 17=183.



Walter P. Finn PE No.22839
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

March 12,2021

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

MiTek

6904 Parke East Blvd.
Tampa, FL 33610

Job 2708484	Truss T06G	Truss Type GABLE	Qty 1	Ply 1	WOODMAN PARK - DAWES RES.	T23190297
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Builders FirstSource, Lake City, FL 32055

Job Reference (optional)

8.430 s Nov 30 2020 MITek Industries, Inc. Fri Mar 12 17:05:47 2021 Page 1
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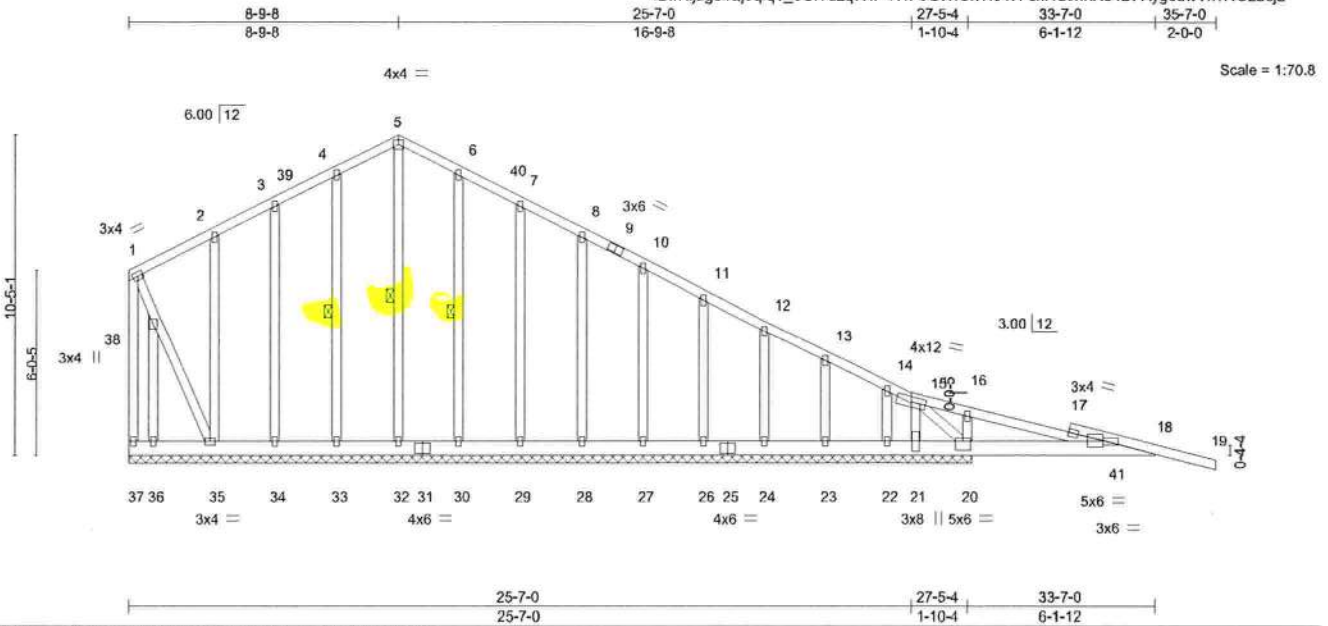


Plate Offsets (X,Y)- [18:0-1-4,0-2-2], [18:0-1-4,0-1-8], [20:0-3-0,0-3-8]

LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.49	Vert(LL)	-0.06	18-19	n/r	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.37	Vert(CT)	-0.10	18-19	n/r		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.41	Horz(CT)	0.01	20	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-S						
	Code FBC2020/TPI2014						Weight: 278 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

BRACING-

TOP CHORD Sheathed or 5-2-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing, Except:
10-0-0 oc bracing: 36-37,35-36,20-21
5-8-9 oc bracing: 18-20,
1 Row at midpt 5-32, 4-33, 6-30

REACTIONS.

All bearings 27-7-0.

(lb) - Max Horz 37=-276(LC 13)

Max Uplift All uplift 100 lb or less at joint(s) 33, 34, 30, 29, 28, 27, 26, 24, 23, 22 except 37=-123(LC 24),
35=-140(LC 12), 21=-1284(LC 24), 20=-998(LC 9)

Max Grav All reactions 250 lb or less at joint(s) 37, 32, 33, 34, 36, 30, 29, 28, 27, 26, 24, 23, 22 except
35=-320(LC 1), 21=726(LC 9), 20=1886(LC 24)

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

TOP CHORD 15-16=-1146/1510, 16-17=-1170/1533, 17-18=-1173/1491

BOT CHORD 36-37=-79/276, 35-36=-79/276, 34-35=-104/255, 33-34=-104/255, 32-33=-104/255,
31-32=-104/255, 30-31=-104/255, 29-30=-104/255, 28-29=-104/255, 27-28=-104/255,
26-27=-104/255, 25-26=-104/255, 24-25=-104/255, 23-24=-104/255, 22-23=-104/255,
21-22=-104/255, 20-41=-1467/1184, 18-41=-1467/1184

WEBS 15-21=-669/947, 15-20=-1998/1374

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; End.,
GCpi=0.18; MWFRS (envelope) gable end zone and C-C Corner(3E) 0-1-12 to 3-6-1, Exterior(2N) 3-6-1 to 8-9-8, Corner(3R) 8-9-8 to
12-1-13, Exterior(2N) 12-1-13 to 35-7-0 zone; cantilever 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 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) 33, 34, 30, 29, 28,
27, 26, 24, 23, 22 except (jt=lb) 37=123, 35=140, 21=1284, 20=998.
- Non Standard bearing condition. Review required.
- This truss has large uplift reaction(s) from gravity load case(s). Proper connection is required to secure truss against upward
movement at the bearings. Building designer must provide for uplift reactions indicated.

LOAD CASE(S) Standard



Walter P. Finn PE No.22839
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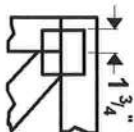
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
Design valid for use only with MITEK® connectors. This design is based only upon parameters shown, and is for an individual building component, not
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fabrication, 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 Walcott, MD 20601

MITek

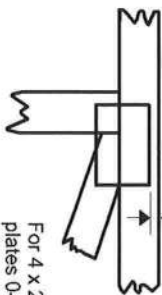
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Tampa, FL 36610

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- 1/16" from outside edge of truss.



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

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

PLATE SIZE

4 X 4

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

LATERAL BRACING LOCATION



Indicated by symbol shown and/or by text in the bracing section of the output. Use T or L 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:

National Design Specification for Metal Plate Connected Wood Truss Construction.

DSB-89:

Design Standard for Bracing.

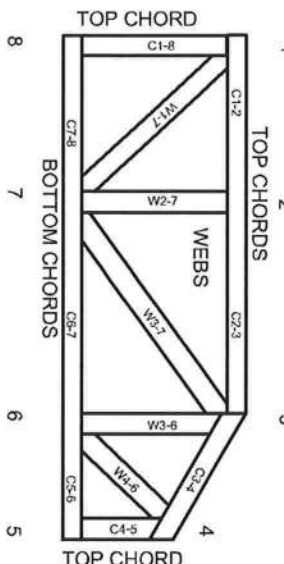
BCSI:

Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate

Connected Wood Trusses.

Numbering System

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 section 6.3 These truss designs rely on lumber values established by others.

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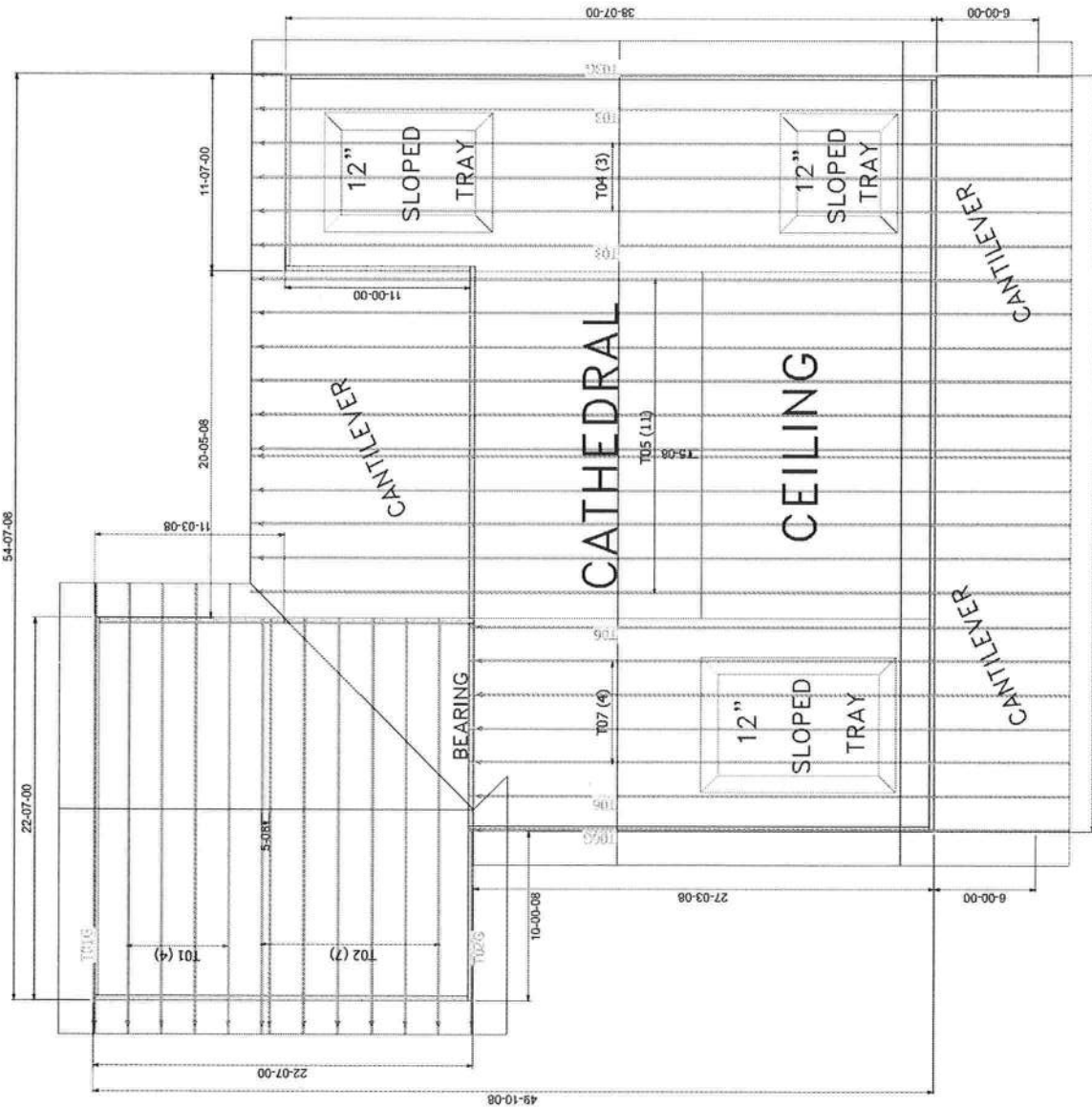
MITek Engineering Reference Sheet: MII-7473 rev. 5/19/2020

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.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TP1.
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 Quality Criteria.
21. The design does not take into account any dynamic or other loads other than those expressly stated.

THE ARROW HEAD AT THE END OF THE THUSSES ON THE TRUSS PLACEMENT CAN BE SO DRAWN TO CORRESPOND WITH THE LEFT SIDE OF THE INDIVIDUAL TRUSS. DRAWING: USE THIS AS AN ORIENTATION GUIDE WHEN SETTING THE THUSSES ON THE STRUCTURE.



44-07-00

3/12 PITCH FRONT PORCH - 6' CANTILEVER

MITEK PLATE APPROVAL #'S 2197.2-2197.4, BOISE EWP PRODUCT #'S LVL FL1644-R2, BCI JOISTS FL1392-R2

For ANSI/SPRI 1-2002 all "T" tests to Wall's connections are the responsibility of the Building Designer, not the Frame Manufacturer.

For Manufacturer specifications for all hanger connections, see the following:

- Tension are to be 42% of U.S.G.
- All hangers are to be Simpson or equivalent U.S.G.
- 100 lb @ 1 1/2" Nails in hanger connections to single ply (other trusses)

Trusses are not designed to support Brink U.S.G.

Dimensions are Per Indian Standards

Notes:
No back charges will be accepted by Builders Firestone unless approved in writing first.
620-838-4541

A/CQ lumber is reserved to true use places. Any A/CQ lumber that comes in contact with this plastic v.o. should be sealed with a water repellent. Builders Firestone will not be responsible for any damage to the lumber that must have an approved barrier applied first.

Refer to HHS-81 Summary Sheet for handling, installing and finishing of Metal Trade Connected Wood. Treats wood to resist decay, insect damage and other.

It is the responsibility of the Contractor to ensure that the proper organization of the project placement plans as to the construction documents and field conditions of the structure is maintained. If a revised or changed layout is required, it will be supplied at its own cost by Builders Products.

All common framed roof or floor systems must be designed as to NOT impose any loads on the floor trusses below. The floor trusses have not been designed to carry any additional loads from above.

engineer, but rather by the Autodesk PostSource staff and is solely to be used as an installation guide and does not require a seal. Complete trace engineering and analysis can be found on the trace design drawings which may be

Cable and remote require continuous battery charged housing. Refer to local codes for wall mounting requirements.

may not be designed symmetrically. Please refer to the individual item drawings and trace placement plates for



Lake City
PHONE: 386-755-6894
FAX: 386-755-7973

Jacksonville
PHONE: 904-772-6100
FAX: 904-772-1973

Tallahassee
PHONE: 850-576-5177

WOODMAN PARK

Dawes Res.

Custom

Page:	3-8-21	Drawn By:	KLH	Original Job #:	2708484
Page 1 of 1	N/A	Place a date:	N/A	Lead Job #:	2708484