

73



Internal Amino

The INSULIN[®] 1.2% (41% T₁ in 0.9% NaCl) concentrate has the same osmolality as the fluid being infused and the same electrolyte composition as the plasma.

Use Manufacturer's specifications for all heparin concentrations unless noted otherwise.

* T₁ is active for 24 hr. 0.2 U N.O.

† All heparin units are in Sodium or equivalent (U N.O.).

‡ 100 at 1/2 mg. Note in heparin concentrations to match patient's requirements.

†† T₁ is not designed to support heparin (U N.O.).

††† T₁ contains active Part B (active) elements.

No back charges will be accepted by Builders FirstSource unless approved in writing first.
877-835-4241

Before so the SHS-B3 Schumacher Silver Frame for handling, installing and finishing of Metal Plate Expanded Wood. This species is used during these variations.

It is the responsibility of the Practitioner to secure the proper authorization of the time placement plans as to the contractual documents and field conditions of the construction simulation. If a network or Gantt chart is required, it will be supplied at no extra cost by the Practitioner.

Practitioner:

It is the responsibility of the Contractor to make sure the placement of concrete is scheduled for planning trips or lifts. ¹²⁷ as the Contractor and its subcontractors who share Type of concrete.

All tested as normal for *P. falciparum* since the identified as *SMV* (impairing) on the Point of view. The final results have not been designed to represent individual hospital cases.

Although all attempts have been made to do so, investors may not be fully informed of opportunities. It is not only the individual firms, but also the way placement plans for proper evaluation and financing.



Builders
FIRSTSOURCE

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

Jacksonville
PHONE: 904-772-6180
FAX: 904-772-1973

Tallahassee
PHONE: 850-576-6177

WOODMAN PARK
Charles Ward

Custom			Model:
Price	Power In	Frequency Ref #	
2-5-21	KLH	2623537	
Power 1 Watt	Power 2 Watt	Board 262	
N/A	N/A	2623537	



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

RE: 2623537 - WOODMAN PARK - WARD RES.

MiTek USA, Inc.

6904 Parke East Blvd.
Tampa, FL 33610-4115

Site Information:

Customer Info: Woodman Park Project Name: Charles Ward Model: Custom
Lot/Block: N/A Subdivision: N/A
Address: TBD, TBD
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 38 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	T22740078	CJ02	2/5/21	23	T22740100	T06	2/5/21
2	T22740079	CJ03	2/5/21	24	T22740101	T07	2/5/21
3	T22740080	CJ03B	2/5/21	25	T22740102	T07G	2/5/21
4	T22740081	CJ04	2/5/21	26	T22740103	T08	2/5/21
5	T22740082	CJ04A	2/5/21	27	T22740104	T09	2/5/21
6	T22740083	CJ05	2/5/21	28	T22740105	T10	2/5/21
7	T22740084	CJ05A	2/5/21	29	T22740106	T11	2/5/21
8	T22740085	EJ01	2/5/21	30	T22740107	T12	2/5/21
9	T22740086	EJ02	2/5/21	31	T22740108	T13	2/5/21
10	T22740087	EJ03	2/5/21	32	T22740109	T14	2/5/21
11	T22740088	EJ04	2/5/21	33	T22740110	T15	2/5/21
12	T22740089	HJ09	2/5/21	34	T22740111	T16	2/5/21
13	T22740090	HJ09A	2/5/21	35	T22740112	T17	2/5/21
14	T22740091	T01	2/5/21	36	T22740113	T18	2/5/21
15	T22740092	T01G	2/5/21	37	T22740114	T19	2/5/21
16	T22740093	T02	2/5/21	38	T22740115	T19G	2/5/21
17	T22740094	T03	2/5/21				
18	T22740095	T03A	2/5/21				
19	T22740096	T03G	2/5/21				
20	T22740097	T04	2/5/21				
21	T22740098	T05	2/5/21				
22	T22740099	T05G	2/5/21				



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: O'Regan, Philip

My license renewal date for the state of Florida is February 28, 2023.

IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to MiTek or TRENCO. Any project specific information included is for MiTek's or TRENCO's customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek or TRENCO has not independently verified the applicability of the design parameters or the designs for any particular building. Before use, the building designer should verify applicability of design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.



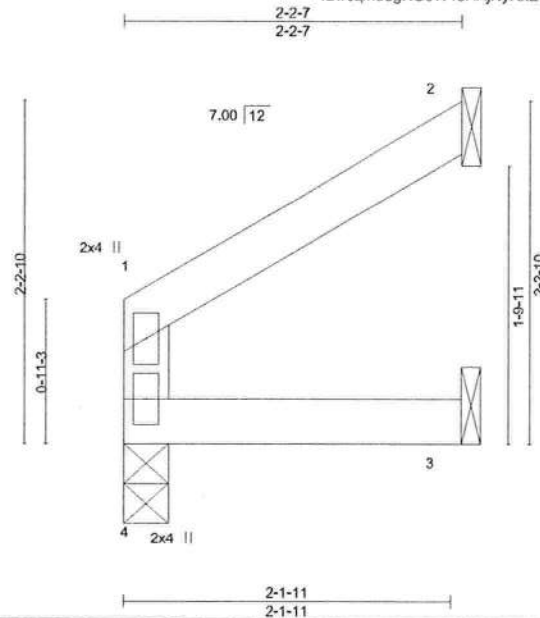
Philip J. O'Regan PE No. 58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

February 5, 2021

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK - WARD RES.
2623537	CJ02	Jack-Open	2	1	T22740078

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

8.430 s Nov 30 2020 MiTek Industries, Inc. Fri Feb 5 07:52:22 2021 Page 1
ID: r0zm6gKG6W1sHAjNyRxExyUEZe-vuysTES7xTIF7IPJf1edPah4GOk0em9zat6Rs6zoFVd



Scale = 1:14.1

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 0.10	Vert(LL)	-0.00	4	>999	240	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.06	Vert(CT)	-0.00	3-4	>999	180	244/190
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-MR						
								Weight: 8 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-2-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 4=0-3-8, 2=Mechanical, 3=Mechanical
Max Horz 4=36(LC 9)
Max Uplift 2=-40(LC 12), 3=-4(LC 12)
Max Grav 4=74(LC 1), 2=56(LC 19), 3=38(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; End., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; end vertical 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 loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 3.



Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

February 5, 2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK 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

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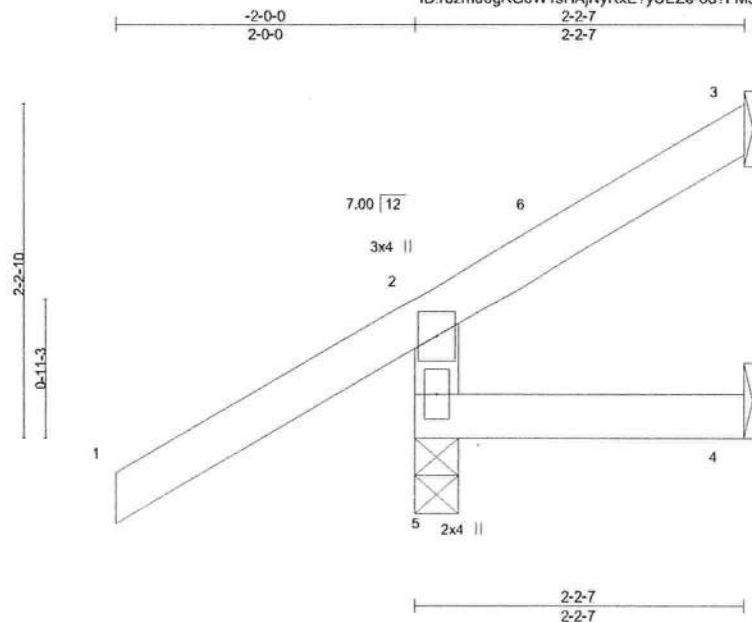
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK - WARD RES.	T22740079
2623537	CJ03	Jack-Open	2	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL),

Jacksonville, FL - 32244,

8.430 s Nov 30 2020 MiTek Industries, Inc. Fri Feb 5 07:52:31 2021 Page 1
ID:r0zmu6gKG8W1sHAjNyRxExyUEZe-8d?FMJZnqEQzj2b2hQJkGUYZc0osFrOlenoQh4zoFVU



Scale = 1:14.5

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 0.31	Vert(LL)	0.00	4-5	>999	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.07	Vert(CT)	0.00	4-5	>999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.01	3	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MR					Weight: 11 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-2-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 5=0-3-8, 3=Mechanical, 4=Mechanical
Max Horz 5=69(LC 12)
Max Uplift 5=-64(LC 12), 3=-23(LC 12)
Max Grav 5=252(LC 1), 3=18(LC 19), 4=32(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; 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 2-1-11 zone; end vertical 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 loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 3.



Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

February 5, 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

MiTek

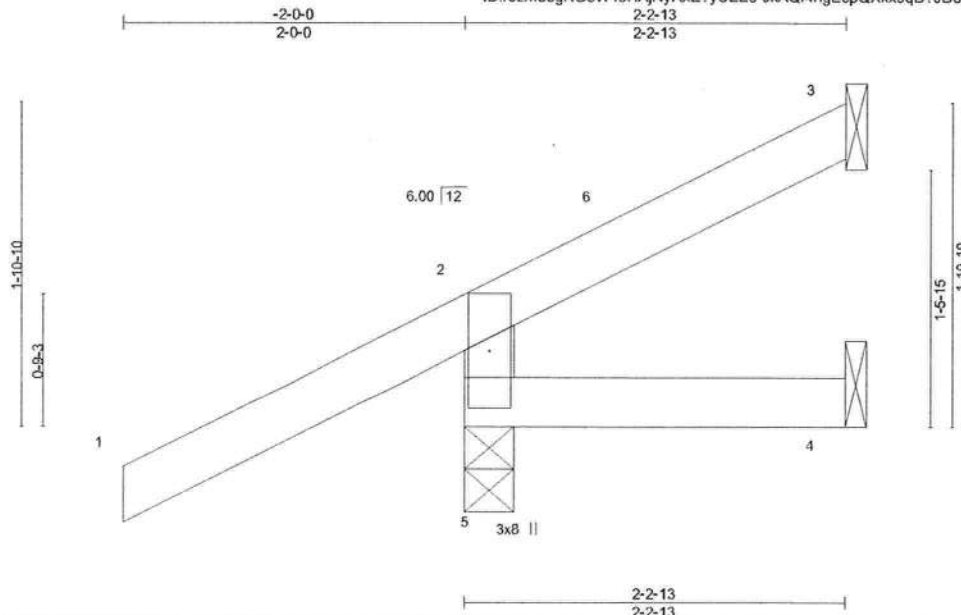
6904 Parke East Blvd.
Tampa, FL 33610

Job 2623537	Truss CJ03B	Truss Type Jack-Open	Qty 4	Ply 1	WOODMAN PARK - WARD RES. T22740080
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Builders FirstSource (Jacksonville, FL),

Jacksonville, FL - 32244,

8.430 s Nov 30 2020 MiTek Industries, Inc. Fri Feb 5 07:52:42 2021 Page 1
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Scale = 1:12.7

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 0.30	Vert(LL)	0.00	4-5	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.08	Vert(CT)	0.00	4-5	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MR						Weight: 11 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-2-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 5=0-3-8, 3=Mechanical, 4=Mechanical
Max Horz 5=60(LC 12)
Max Uplift 5=72(LC 12), 3=19(LC 12)
Max Grav 5=252(LC 1), 3=14(LC 19), 4=32(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; 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 2-2-1 zone; end vertical 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 loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 3.



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6904 Parke East Blvd. Tampa FL 33610
Date:

February 5, 2021

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MiTek

6904 Parke East Blvd.
Tampa, FL 33610

Job 2523537	Truss CJ04	Truss Type Jack-Open	Qty 2	Ply 1	WOODMAN PARK - WARD RES. T22740081
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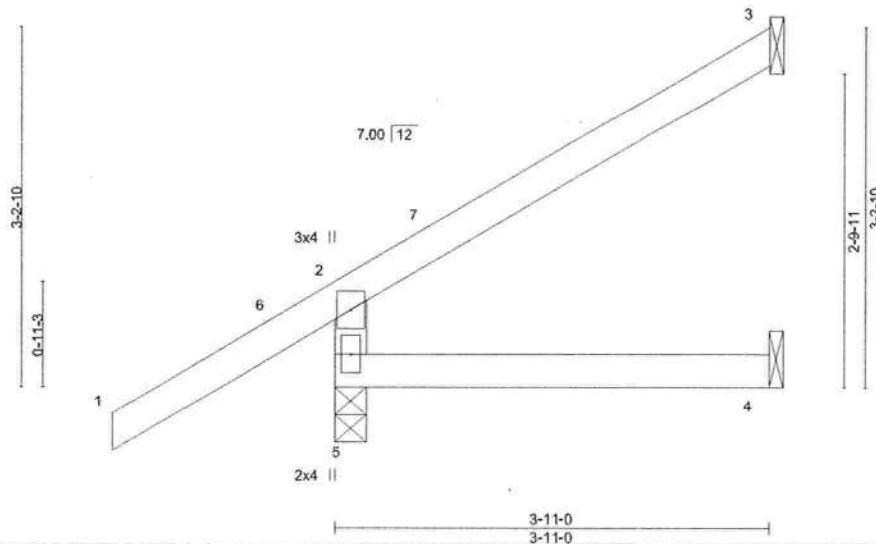
Builders FirstSource (Jacksonville, FL),

Jacksonville, FL - 32244,

8.430 s Nov 30 2020 MiTek Industries, Inc. Fri Feb 5 07:52:47 2021 Page 1
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-2-0-0
2-0-0
3-11-0
3-11-0

Scale = 1:19.4



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 0.29	Vert(LL)	-0.01	4-5	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.13	Vert(CT)	-0.02	4-5	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.01	3	n/a	n/a		
BCDL 10.0	Code	FBC2020/TPI2014	Matrix-MR						Weight: 17 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-11-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 5=0-3-8, 3=Mechanical, 4=Mechanical
Max Horz 5=103(LC 12)
Max Uplift 5=60(LC 12), 3=60(LC 12)
Max Grav 5=287(LC 1), 3=81(LC 19), 4=67(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; 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 3-10-4 zone; end vertical 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 loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 3.



Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

February 5, 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

MiTek

6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK - WARD RES.
2623537	CJ04A	Jack-Open	2	1	T22740082

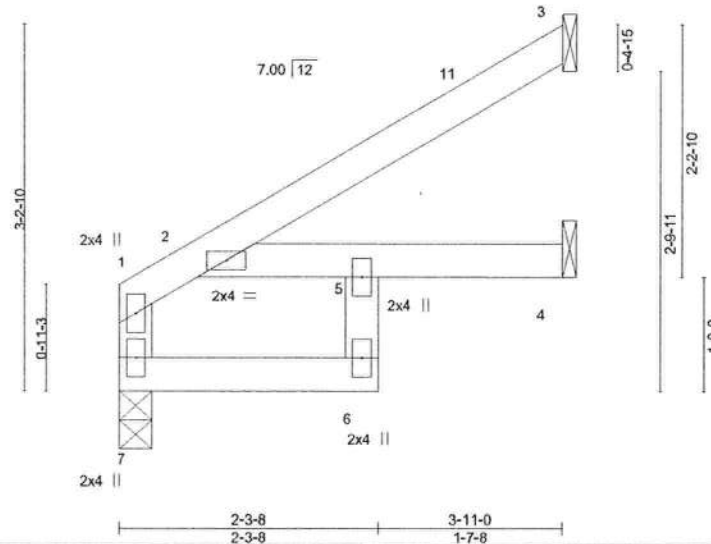
Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.430 s Nov 30 2020 MiTek Industries, Inc. Fri Feb 5 07:52:57 2021 Page 1

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2-3-8 2-3-8 3-11-0 1-7-8

Scale = 1:19.1



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 0.12	Vert(LL)	-0.01	5	>999	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.22	Vert(CT)	-0.02	5	>999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.01	4	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MR						
								Weight: 17 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-11-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 7=0-3-8, 3=Mechanical, 4=Mechanical
Max Horz 7=66(LC 12)
Max Uplift 3=-48(LC 12), 4=-21(LC 12)
Max Grav 7=156(LC 1), 3=81(LC 19), 4=86(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; End., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 3-10-4 zone; end vertical 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 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, 4.



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Date:

February 5, 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 Walcott, MD 20601

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Tampa, FL 33610

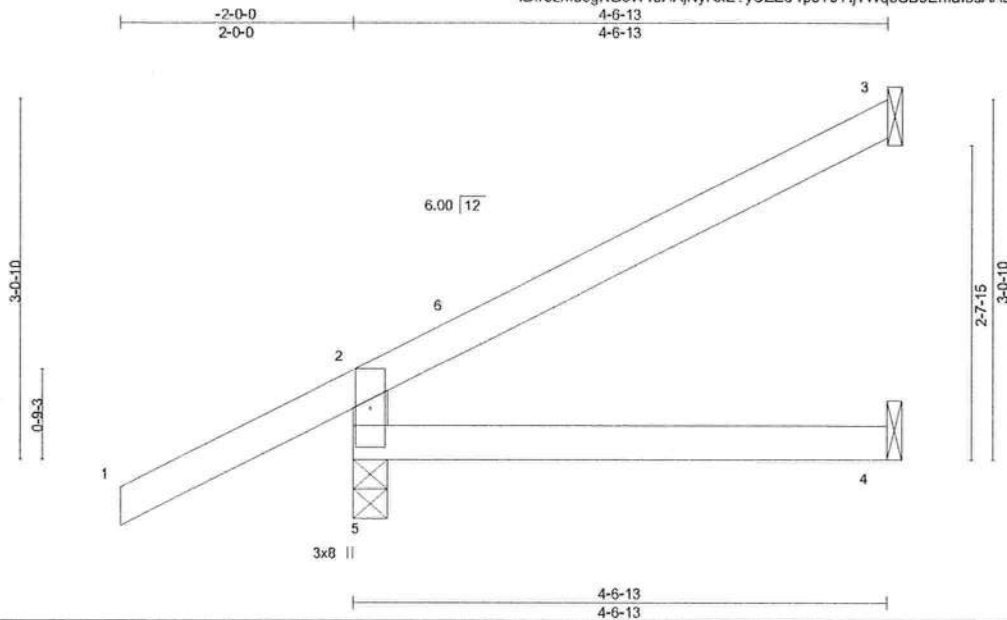
Job 2623537	Truss CJ05	Truss Type Jack-Open	Qty 2	Ply 1	WOODMAN PARK - WARD RES. T22740083
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Builders FirstSource (Jacksonville, FL),

Jacksonville, FL - 32244,

8.430 s Nov 30 2020 MiTek Industries, Inc. Fri Feb 5 07:52:58 2021 Page 1

ID: r0zmu6gKG8W1sHAjNyRxEx?yUEZg-rp8T0YjTWq8SB9Ema13sAAB4v?P424HsUqL80zoFV3



Scale = 1:18.4

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 0.30	Vert(LL)	-0.02	4-5	>999	240	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.19	Vert(CT)	-0.03	4-5	>999	180	
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.01	3	n/a	n/a	
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MR						
								Weight: 18 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-6-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 5=0-3-8, 3=Mechanical, 4=Mechanical
Max Horz 5=100(LC 12)
Max Uplift 5=-72(LC 12), 3=-63(LC 12)
Max Grav 5=306(LC 1), 3=93(LC 1), 4=79(LC 3)

FORCES.

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

TOP CHORD 2-5=-258/221

NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cal. 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 4-6-1 zone; end vertical 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 loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 3.



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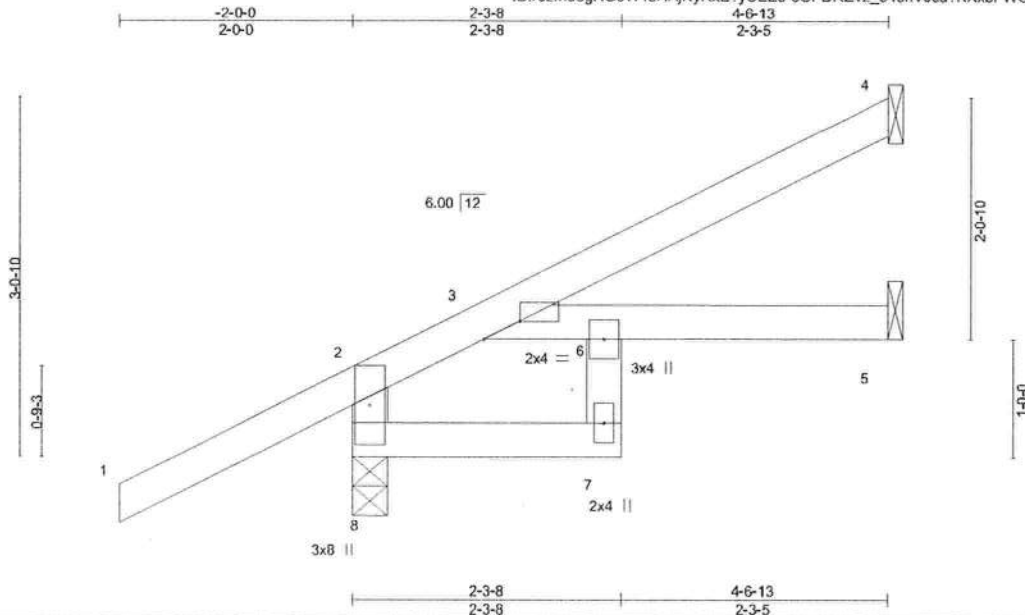
Job 2623537	Truss CJ05A	Truss Type Jack-Open	Qty 2	Ply 1	WOODMAN PARK - WARD RES. T22740084
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Builders FirstSource (Jacksonville, FL),

Jacksonville, FL - 32244,

8.430 s Nov 30 2020 MiTek Industries, Inc. Fri Feb 5 07:53:00 2021 Page 1

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Scale = 1:18.4

Plate Offsets (X,Y) - [3:0-3-12,0-1-12]

LOADING (psf)	SPACING-		CSI.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	2-0-0	TC 0.31	Vert(LL)	0.02	5-6	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.23	Vert(CT)	-0.03	5-6	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.01	5	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MR						Weight: 21 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-6-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS.

(size) 8=0-3-8, 4=Mechanical, 5=Mechanical
Max Horz 8=100(LC 12)
Max Uplift 8=68(LC 12), 4=48(LC 12), 5=10(LC 12)
Max Grav 8=319(LC 1), 4=85(LC 1), 5=82(LC 3)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=278/199

NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cal. II; Exp B; End., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -2-0-0 to 1-1-7, Interior(1) 1-1-7 to 4-6-1 zone; end vertical 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 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) 8, 4, 5.



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Date:

February 5, 2021

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK - WARD RES.	T22740086
2623537	EJ02	Jack-Partial	7	1	Job Reference (optional)	

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

8.430 s Nov 30 2020 MiTek Industries, Inc. Fri Feb 5 07:53:01 2021 Page 1
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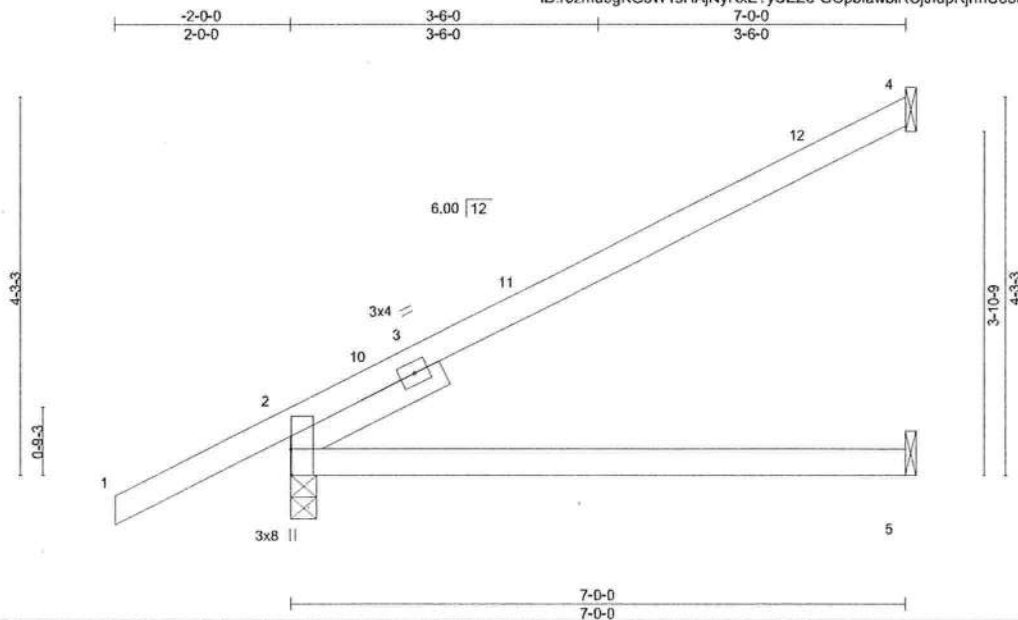


Plate Offsets (X,Y)- [2:0-3-8,Edge]											
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc)		I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.61	Vert(LL)	0.11 5-8	>725	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.50	Vert(CT)	-0.21 5-8	>402	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.05 4	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS						Weight: 28 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS.

(size) 4=Mechanical, 2=0-3-8, 5=Mechanical
Max Horz 2=144(LC 12)
Max Uplift 4=88(LC 12), 2=82(LC 12), 5=1(LC 12)
Max Grav 4=160(LC 1), 2=380(LC 1), 5=124(LC 3)

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

TOP CHORD 2-4=-384/159

NOTES-

- 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 6-11-4 zone; end vertical 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.
- 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, 2, 5.



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Date:

February 5, 2021

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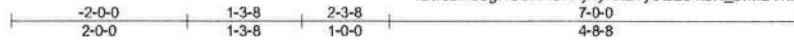
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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK - WARD RES.	T22740087
2623537	EJ03	Jack-Partial	3	1	Job Reference (optional)	

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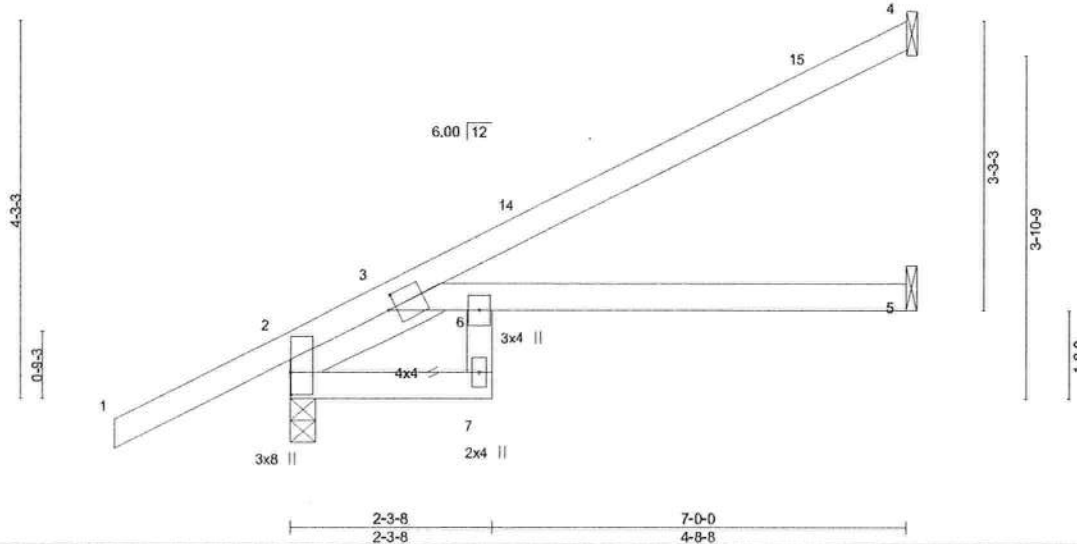


Plate Offsets (X,Y)- [2:0-3-0,0-0-2], [3:0-1-0,0-1-12]

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 0.52	Vert(LL)	0.14	5-6	>613	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.55	Vert(CT)	-0.22	5-6	>380	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.08	5	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MR						Weight: 31 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
6-7: 2x4 SP No.3
SLIDER Left 2x4 SP No.3 - 1-10-13

BRACING-

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

REACTIONS.

(size) 4=Mechanical, 2=0-3-8, 5=Mechanical
Max Horz 2=144(LC 12)
Max Uplift 4=76(LC 12), 2=77(LC 12), 5=11(LC 12)
Max Grav 4=151(LC 1), 2=396(LC 1), 5=128(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -2-0-0 to 1-1-7, Interior(1) 1-1-7 to 6-11-4 zone; end vertical 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 loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2, 5.



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ANSI/TPI1 Quality Criteria, DSB-88 and BCSI Building Component

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK - WARD RES.	T22740088
2623537	EJ04	Monopitch Girder	1	1		

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

8.430 s Nov 30 2020 MiTek Industries, Inc. Fri Feb 5 07:53:05 2021 Page 1
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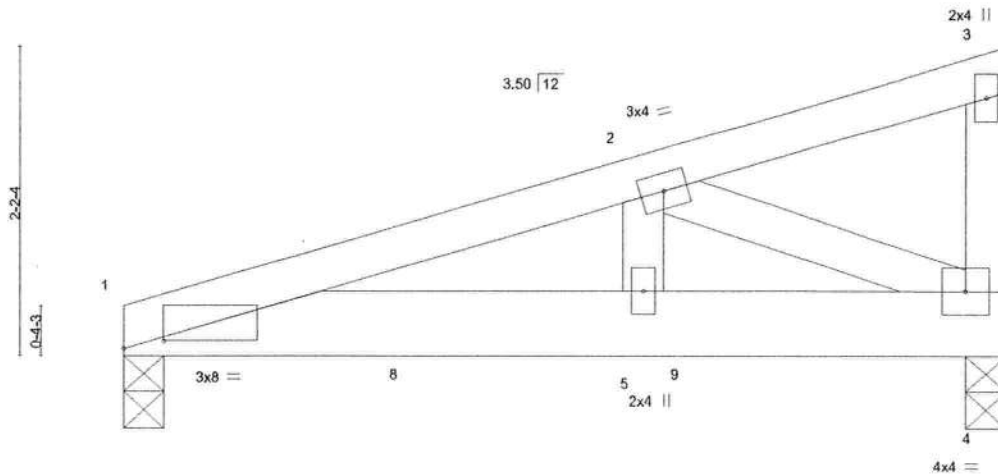


Plate Offsets (X,Y) =	[1:0-3-7,0-0-11]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.22	Vert(LL)	-0.03	5-7	>999	240	
TCDL 7.0	Lumber DOL	1.25	BC 0.60	Vert(CT)	-0.05	5-7	>999	180	
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.29	Horz(CT)	0.01	4	n/a	n/a	
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MP						
								Weight: 31 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-11-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 1=0-3-8, 4=0-3-8
Max Horz 1=62(LC 4)
Max Uplift 1=180(LC 4), 4=197(LC 4)
Max Grav 1=653(LC 1), 4=650(LC 1)

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

TOP CHORD 1-2=-1303/327
BOT CHORD 1-5=-352/1250, 4-5=-352/1250
WEBS 2-5=-163/717, 2-4=-1361/383

NOTES-

- 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; porch left and right exposed; 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.
- 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) except (jt=lb) 1=180, 4=197.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 424 lb down and 107 lb up at 2-0-12, and 424 lb down and 107 lb up at 4-0-12 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: 1-3=-54, 1-4=-20
Concentrated Loads (lb)
Vert: 8=-424(B) 9=-424(B)



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Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK - WARD RES.	T22740089
2623537	HJ09	Diagonal Hip Girder	2	1	Job Reference (optional)	

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

8.430 s Nov 30 2020 MiTek Industries, Inc. Fri Feb 5 07:53:06 2021 Page 1

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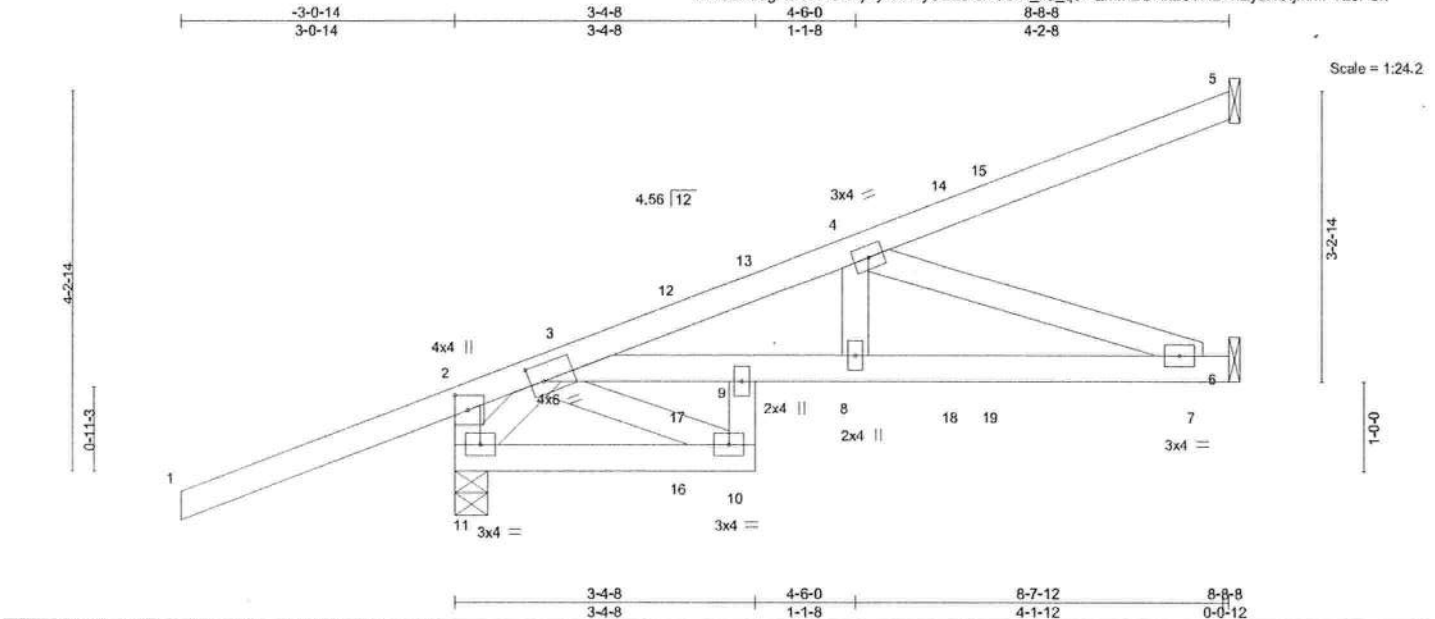


Plate Offsets (X,Y)--	[2:0-2-0,0-1-12], [3:0-1-12,0-2-4]								
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.73	Vert(LL)	0.03	7-8	>999	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.38	Vert(CT)	-0.05	7-8	>999		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.23	Horz(CT)	0.01	6	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MS					Weight: 49 lb	FT ± 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
9-10: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING-

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

REACTIONS.

(size) 11=0-4-8, 5=Mechanical, 6=Mechanical
Max Horz 11=145(LC 19)
Max Uplift 11=-207(LC 4), 5=-58(LC 8), 6=-93(LC 8)
Max Grav 11=541(LC 1), 5=98(LC 1), 6=248(LC 3)

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

TOP CHORD 2-11=-309/204, 3-4=-659/223
BOT CHORD 3-9=-269/545, 8-9=-285/584, 7-8=-285/584
WEBS 4-7=-618/301, 4-8=-46/285, 3-11=-338/52

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; end vertical left 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) 5, 6 except (jt=lb) 11=207.
- 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 69 lb down and 14 lb up at 2-7-0, 67 lb down and 41 lb up at 3-5-10, and 35 lb down and 55 lb up at 5-7-14, and 82 lb down and 54 lb up at 6-1-4 on top chord, and 14 lb down and 10 lb up at 2-7-0, and 42 lb down and 24 lb up at 5-7-14, and 54 lb down and 38 lb up at 6-1-4 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: 1-2=-54, 2-5=-54, 10-11=-20, 6-9=-20
Concentrated Loads (lb)
Vert: 14=-9(B) 15=-7(F) 16=10(B) 18=25(B) 19=44(F)



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6904 Parke East Blvd. Tampa FL 33610
Date:

February 5, 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

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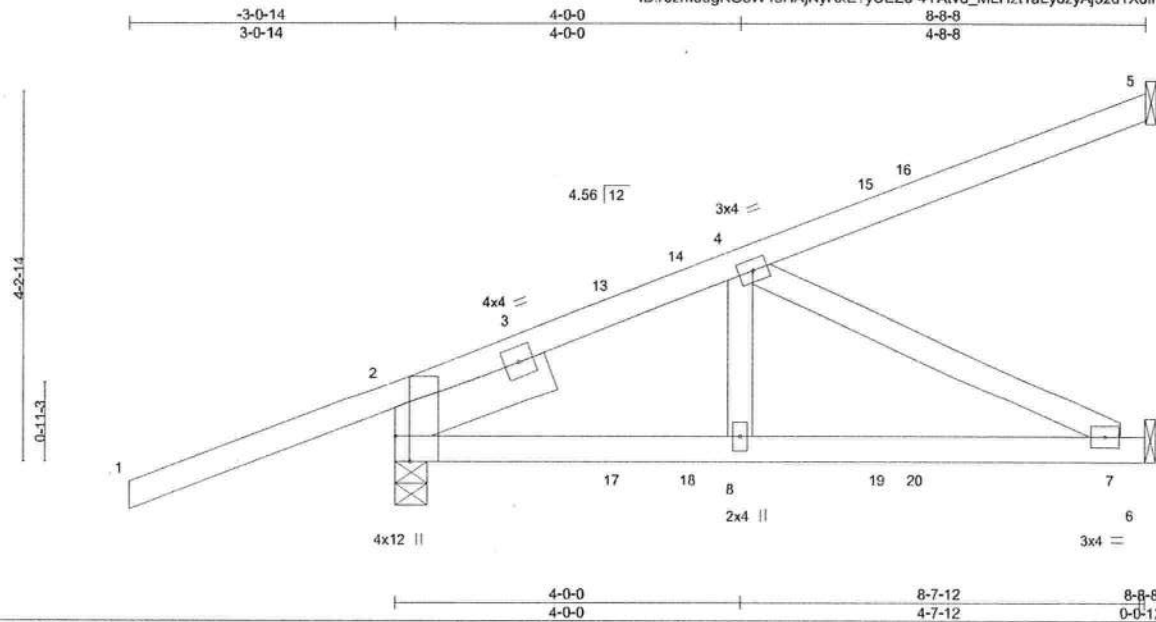
6904 Parke East Blvd.
Tampa, FL 33610

Job 2623537	Truss HJ09A	Truss Type Diagonal Hip Girder	Qty 2	Ply 1	WOODMAN PARK - WARD RES. T22740090
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Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244.

8.430 s Nov 30 2020 MiTek Industries, Inc. Fri Feb 5 07:53:07 2021 Page 1

ID:0zmu6gKG8W1sHAjNyRxE?yUEZe-4YA1vd_MLH1z1aLyozyAj32d1X0fhSdbwNWKx?zoFUw



Scale = 1:25.0

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

LOADING (psf)	SPACING-		CSI.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	2-0-0	TC 0.66	Vert(LL)	-0.03	7-8	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.37	Vert(CT)	-0.07	7-8	>999	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.17	Horz(CT)	-0.01	5	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MS						Weight: 46 lb	FT = 20%

LUMBER-

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

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) 5=Mechanical, 2=0-4-8, 6=Mechanical
Max Horz 2=154(LC 19)
Max Uplift 5=-76(LC 8), 2=-191(LC 4), 6=-61(LC 8)
Max Grav 5=118(LC 1), 2=511(LC 1), 6=220(LC 3)

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

TOP CHORD 2-4=-400/361
BOT CHORD 2-8=-154/322, 7-8=-154/322
WEBS 4-7=-358/171

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; end vertical left 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) 5, 6 except (if=lb) 2=191.
- 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 69 lb down and 14 lb up at 2-7-0, 71 lb down and 18 lb up at 3-5-10, and 35 lb down and 71 lb up at 5-7-14, and 90 lb down and 65 lb up at 6-1-4 on top chord, and 14 lb down and 10 lb up at 2-7-0, 15 lb down and 10 lb up at 3-5-10, and 35 lb down at 5-7-14, and 34 lb down at 6-1-4 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: 1-5=-54, 6-9=-20
Concentrated Loads (lb)
Vert: 15=-10(F) 16=-3(B) 17=10(F) 18=10(B) 19=-9(F) 20=-4(B)



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February 5, 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 Walcott, MD 20601

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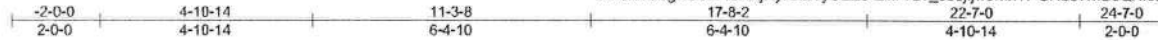
6904 Parke East Blvd.
Tampa, FL 33610

Job 2623537	Truss T01	Truss Type Common	Qty 4	Ply 1	WOODMAN PARK - WARD RES. T22740091
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Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.430 s Nov 30 2020 MiTek Industries, Inc. Fri Feb 5 07:53:08 2021 Page 1

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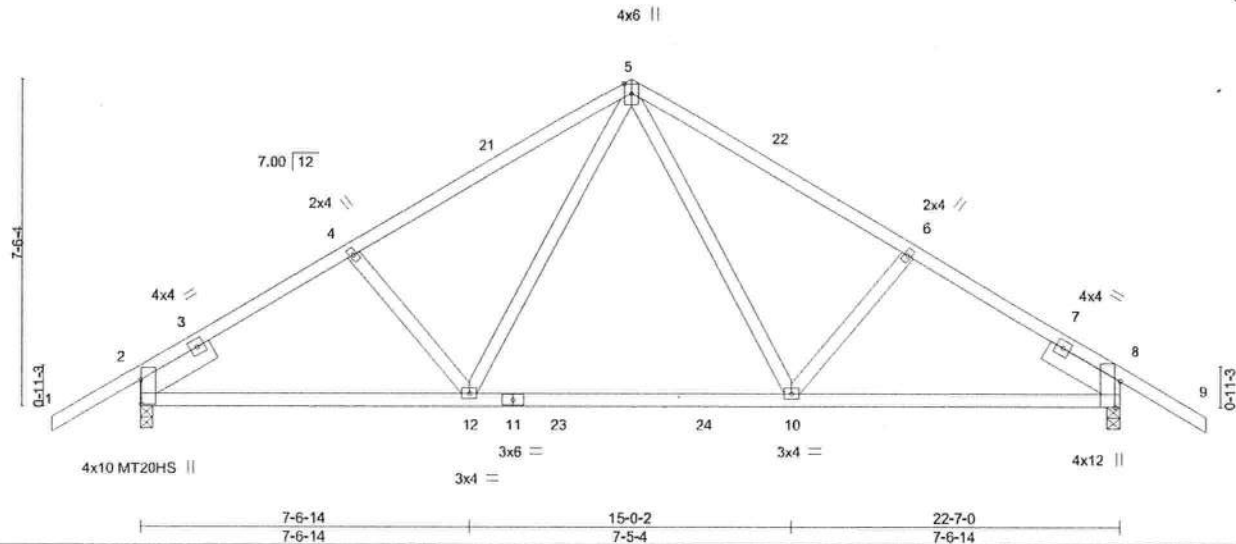


Plate Offsets (X,Y)-- [2:0-6-11,0-0-5], [8:0-7-3,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.43	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 1.00	Vert(LL) -0.25 10-12 >999 240	MT20HS	187/143
BCLL 0.0 *	Lumber DOL 1.25	WB 0.25	Vert(CT) -0.45 10-12 >607 180		
BCDL 10.0	Rep Stress Incr NO	Matrix-MS	Horz(CT) 0.07 8 n/a n/a		
	Code FBC2020/TPI2014			Weight: 125 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-5-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 2=0-3-8, 8=0-3-8
Max Horz 2=171(LC 11)
Max Uplift 2=271(LC 12), 8=271(LC 13)
Max Grav 2=1278(LC 19), 8=1278(LC 20)

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

TOP CHORD 2-4=-1656/355, 4-5=-1542/357, 5-6=-1553/359, 6-8=-1667/357
BOT CHORD 2-12=-320/1461, 10-12=-138/1047, 8-10=-208/1344
WEBS 5-10=-170/719, 5-12=-166/699

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; end vertical 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.
- 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 100 lb uplift at joint(s) except (it=lb) 2=271, 8=271.
- 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: 1-5=-54, 5-9=-54, 12-13=-20, 10-12=-80(F=60), 10-17=-20



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Date:

February 5, 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

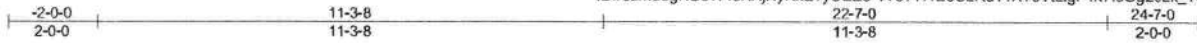
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Tampa, FL 33610

Job 2623537	Truss T01G	Truss Type Common Supported Gable	Qty 1	Ply 1	WOODMAN PARK - WARD RES. T22740092
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Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.430 s Nov 30 2020 MiTek Industries, Inc. Fri Feb 5 07:53:10 2021 Page 1
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Scale: 1/4"=1'

Plate Offsets (X,Y) - [14: Edge, 0-4-3]							
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d
TCLL 20.0	Plate Grip DOL	1.25	TC 0.23	Vert(LL)	-0.02 15	n/r	120
TCDL 7.0	Lumber DOL	1.25	BC 0.03	Vert(CT)	-0.02 15	n/r	120
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.09	Horz(CT)	0.00 14	n/a	n/a
BCDL 10.0	Code	FBC2020/TPI2014	Matrix-S				
						PLATES	GRIP
						MT20	244/190
						Weight: 158 lb FT = 20%	

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

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

REACTIONS. All bearings 22-7-0.
(lb) - Max Horz 2=-163(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 14, 22, 23, 24, 25, 19, 18, 17, 16
Max Grav All reactions 250 lb or less at joint(s) 20, 22, 23, 24, 25, 19, 18, 17, 16 except 2=263(LC 1), 14=263(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; 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
- 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, 22, 23, 24, 25, 19, 18, 17, 16.



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Date:

February 5, 2021

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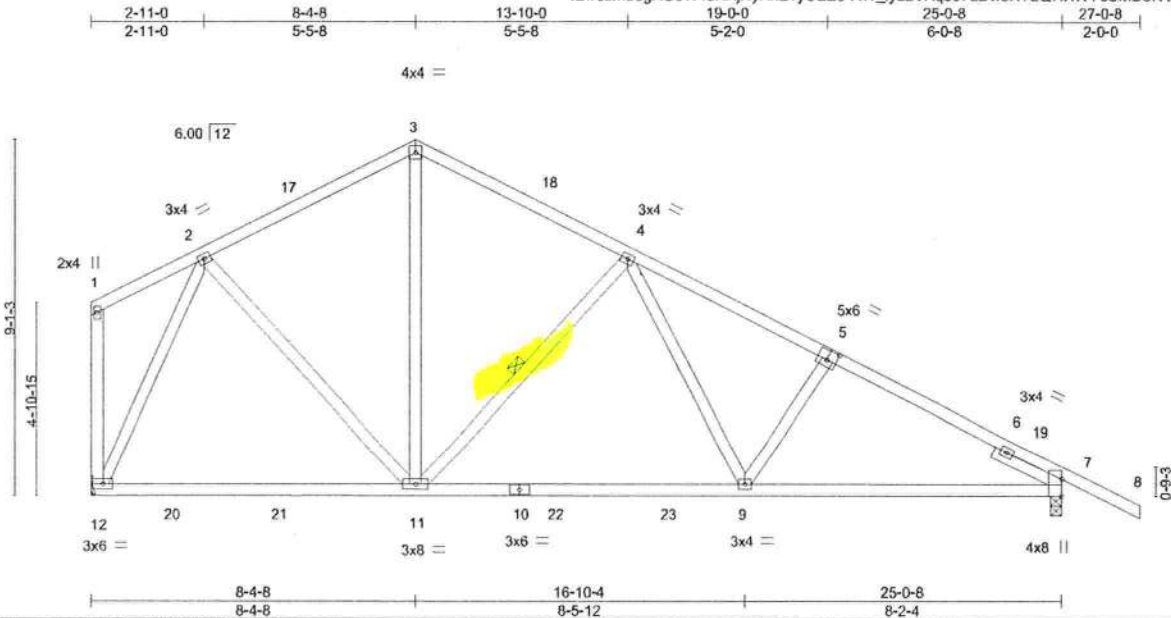
6904 Parke East Blvd.
Tampa, FL 33610

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK - WARD RES.	T22740094
2623537	T03	Common	2	1		

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

8,430 s Nov 30 2020 MiTek Industries, Inc. Fri Feb 5 07:53:12 2021 Page 1
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Scale = 1:55.6

Plate Offsets (X,Y)- [5:0-3-0,0-3-0], [7:0-5-5,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 0.49	Vert(LL)	-0.17 11-12	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.84	Vert(CT)	-0.29 11-12	>999	180		
BCCL 0.0 *	Rep Stress Incr	YES	WB 0.79	Horz(CT)	0.05 7	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MS					Weight: 153 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-11-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-11

REACTIONS. (size) 12=Mechanical, 7=0-3-8
Max Horz 12=-236(LC 13)
Max Uplift 12=-177(LC 13), 7=-241(LC 13)
Max Grav 12=1036(LC 2), 7=1104(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-820/239, 3-4=-823/238, 4-5=-1437/310, 5-7=-1541/306
BOT CHORD 11-12=-36/479, 9-11=-93/1042, 7-9=-184/1326
WEBS 2-11=-63/430, 3-11=-79/460, 4-11=-544/243, 4-9=-91/469, 2-12=-933/250

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 2-11-0, Interior(1) 2-11-0 to 8-4-8, Exterior(2R) 8-4-8 to 11-4-8, Interior(1) 11-4-8 to 27-0-8 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, with BCDL = 10.0psf.
- 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) except (jt=lb) 12=177, 7=241.



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Date:

February 5, 2021

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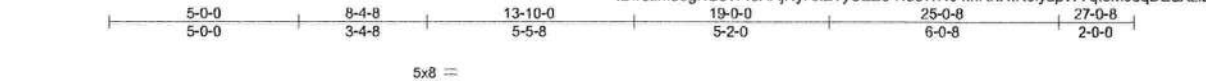
MiTek

6904 Parke East Blvd.
Tampa, FL 33610

Job 2623537	Truss T03A	Truss Type Roof Special	Qty 5	Ply 1	WOODMAN PARK - WARD RES. T22740095
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Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8,430 s Nov 30 2020 MiTek Industries, Inc. Fri Feb 5 07:53:14 2021 Page 1
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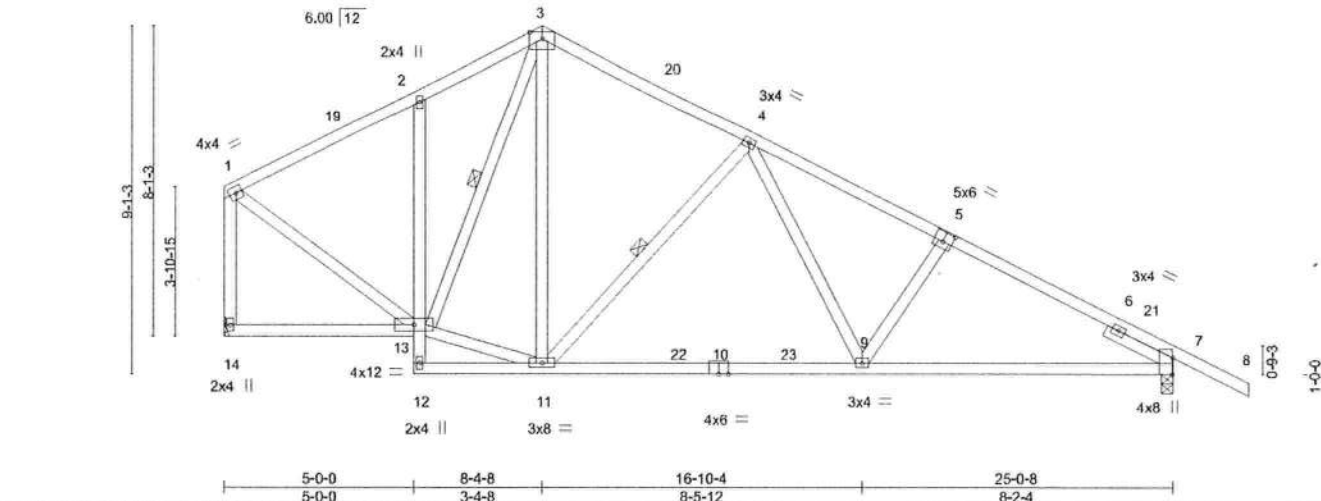


Plate Offsets (X,Y) - [5:0-3-0-0-3-0], [7:0-5-5,Edge]

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 0.50	Vert(LL)	-0.19	9-11	>999	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.73	Vert(CT)	-0.33	9-11	>913		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.31	Horz(CT)	0.04	7	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MS						
								Weight: 166 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
2-12: 2x4 SP No.3
WEBS 2x4 SP No.3
SLIDER Right 2x4 SP No.3-1 1-11-8

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-10-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 3-13, 4-11

REACTIONS. (size) 14=Mechanical, 7=0-3-8
Max Horz 14=-236(LC 13)
Max Uplift 14=-167(LC 13), 7=-251(LC 13)
Max Grav 14=1000(LC 2), 7=1098(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-794/202, 2-3=-778/270, 3-4=-800/255, 4-5=-1421/328, 5-7=-1535/324, 1-14=-913/234
BOT CHORD 2-13=-256/164, 9-11=-106/1030, 7-9=-194/1320
WEBS 11-13=0/752, 3-11=-167/511, 4-11=-556/241, 4-9=-86/486, 1-13=-161/808

- 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 3-1-12, Interior(1) 3-1-12 to 8-4-8, Exterior(2R) 8-4-8 to 11-4-8, Interior(1) 11-4-8 to 27-0-8 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, with BCDL = 10.0psf.
 - 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) except (jt=lb) 14=167, 7=251.



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Date:

February 5, 2021

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MiTek

6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK - WARD RES.
2623537	T03G	GABLE	1	1	T22740096

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

8.430 s Nov 30 2020 MiTek Industries, Inc. Fri Feb 5 07:53:15 2021 Page 1
ID:r0zmu6gKG8W1sHAjNyRxExyUEZe-r5ubM5NSIzk_oyVGF522N5qlqcZjKnmSIDXzoFUo
25-0-8 27-0-8 2-0-0
16-8-0

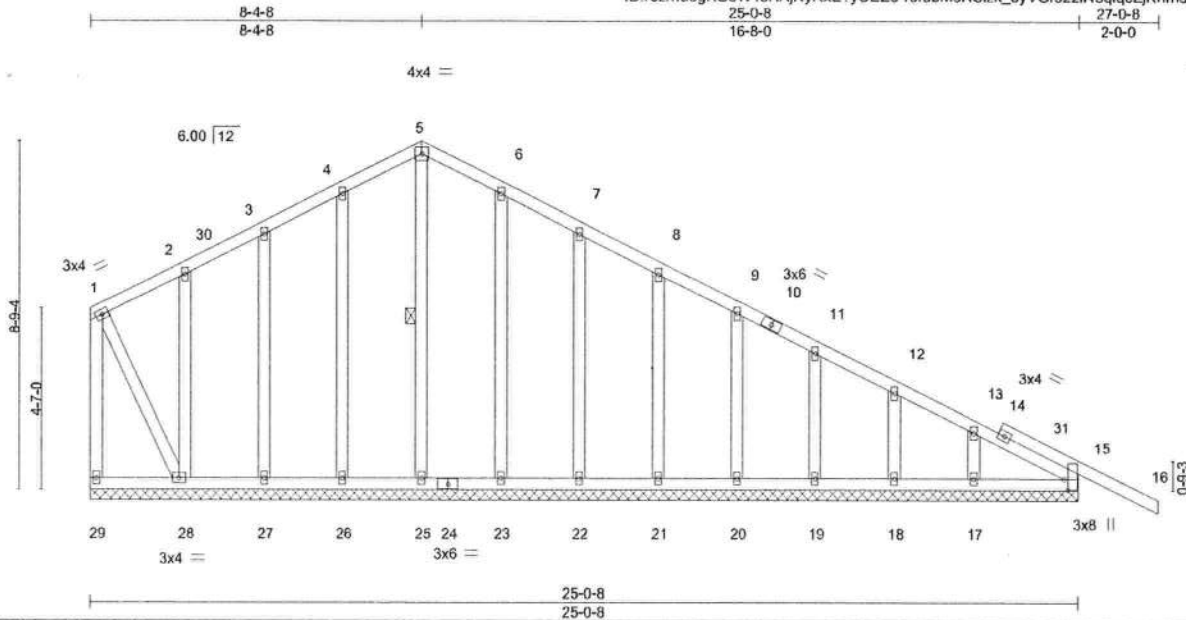


Plate Offsets (X,Y)- [15-0-3-4-0-1-3]

LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.23	Vert(LL) -0.02	16	n/r	120	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.05	Vert(CT) -0.02	16	n/r	120		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.13	Horz(CT) 0.01	15	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-S						
							Weight: 183 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 5-25

REACTIONS. All bearings 25-0-8.
(lb) - Max Horz 29=227(LC 13)
Max Uplift All uplift 100 lb or less at joint(s) 26, 27, 23, 22, 21, 20, 19, 18, 17, 15 except 29=123(LC 13), 28=111(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 29, 25, 26, 27, 28, 23, 22, 21, 20, 19, 18, 17, 15

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=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 3-1-12, Exterior(2N) 3-1-12 to 8-4-8, Corner(3R) 8-4-8 to 11-4-8, Exterior(2N) 11-4-8 to 27-0-8 zone; 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) 26, 27, 23, 22, 21, 20, 19, 18, 17, 15 except (jt=lb) 29=123, 28=111.



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February 5, 2021

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MiTek

6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK - WARD RES.	T22740098
2623537	T05	Roof Special	4	1		

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

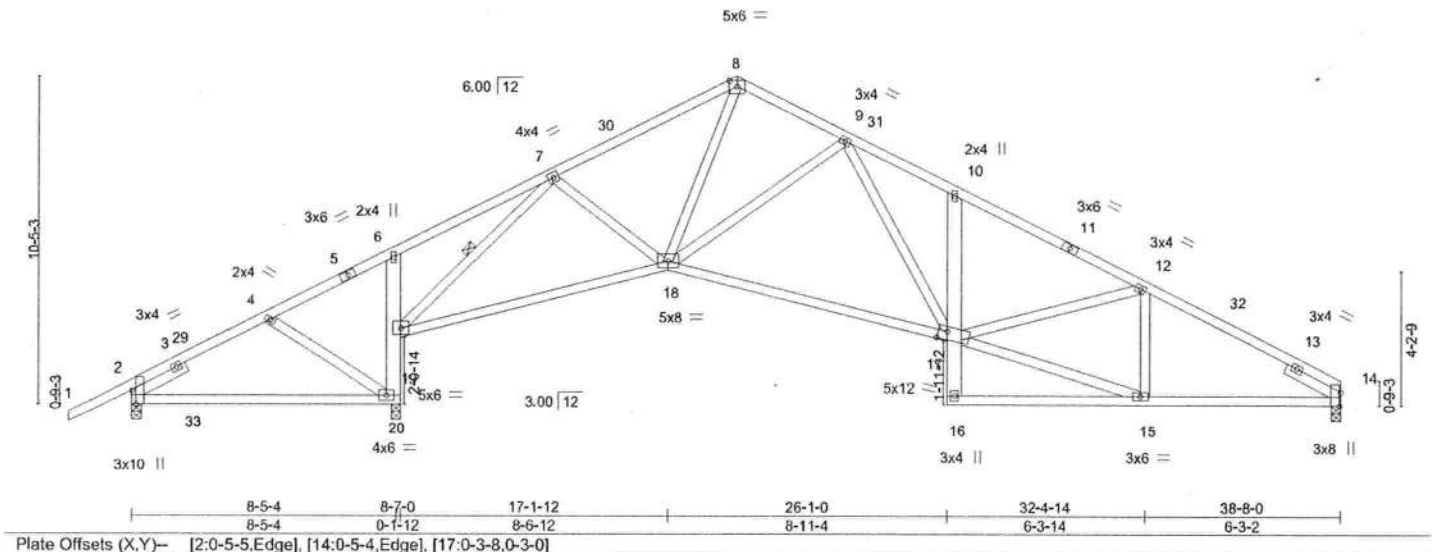
8.430 s Nov 30 2020 MiTek Industries, Inc. Fri Feb 5 07:53:18 2021 Page 1

ID: r0zmu6gKG8W1sHAjNyRxExyUEZ6-Gg1D07GlgLJrGh4xnflgO?WNze?myIDSbgPqszoFUI

Job Reference (optional)

-2-0-0 4-4-10 8-7-0 13-5-7 19-4-0 22-9-11 26-1-0 32-4-14 38-8-0
2-0-0 4-4-10 4-2-6 4-10-7 5-10-9 3-5-11 3-3-5 6-3-14 6-3-2

Scale = 1:69.1



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.59	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.90	Vert(LL) 0.10 20-23 >981 240		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.59	Vert(CT) -0.59 17-18 >618 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.11 14 n/a n/a		
	Code FBC2020/TPI2014			Weight: 233 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-4-7 oc purlins.
BOT CHORD 2x4 SP No.2 "Except"	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-20,10-16: 2x6 SP No.2	6-0-0 oc bracing: 2-20
WEBS 2x4 SP No.3	5-11-14 oc bracing: 19-20.
SLIDER Left 2x4 SP No.3 -1 1-11-8, Right 2x4 SP No.3 -1 1-11-8	WEBS 1 Row at midpt 7-19

REACTIONS.	(size) 2=0-3-8, 14=0-3-8, 20=0-3-8
	Max Horz 2=173(LC 16)
	Max Uplift 2=-147(LC 8), 14=-267(LC 13), 20=-343(LC 12)
	Max Grav 2=374(LC 23), 14=1098(LC 1), 20=1528(LC 1)

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-4=-600/334, 6-7=-11/312, 7-8=-1575/374, 8-9=-1156/319, 9-10=-1994/550,
	10-12=-2001/474, 12-14=-1784/444
BOT CHORD	19-20=-1324/290, 18-19=-182/1134, 17-18=-186/1509, 10-17=-294/165, 14-15=-328/1535
WEBS	7-19=-1810/299, 7-18=-0/385, 8-18=-199/979, 9-18=-588/277, 9-17=-244/633,
	15-17=-333/1560, 12-15=-405/145

- 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 1-10-6, Interior(1) 1-10-6 to 19-4-0, Exterior(2R) 19-4-0 to 23-2-6, Interior(1) 23-2-6 to 38-8-0 zone; 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.
 - 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=147, 14=267, 20=343.



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Date:

February 5, 2021



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6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK - WARD RES.	T22740099
2623537	T05G	GABLE	1	1		

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

8.430 s Nov 30 2020 MiTek Industries, Inc. Fri Feb 5 07:53:21 2021 Page 1

ID:r0zmu6gKG8W1sHAjNyRxExyUEZe-gF19rQ982bjtjPfcwCSi0d_TAgzhMtf8Zv3RBZoFUI

-2-0-0 4-4-10 8-7-0 13-5-7 19-4-0 22-9-11 26-1-0 32-4-14 38-8-0
2-0-0 4-4-10 4-2-6 4-10-7 5-10-9 3-5-11 3-3-5 6-3-14 6-3-2

Scale = 1:73.9

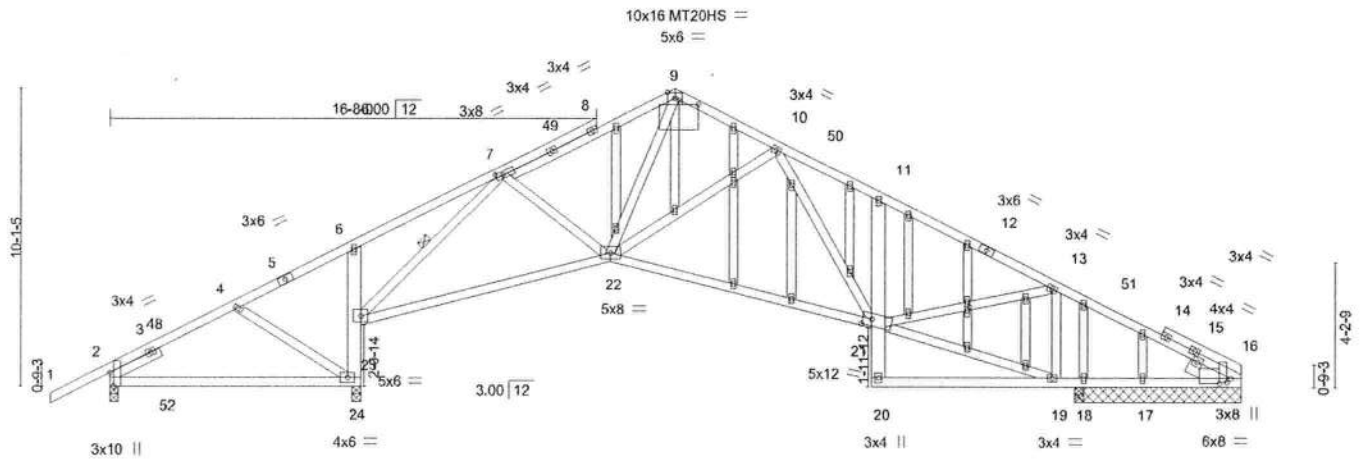


Plate Offsets (X,Y) - [2:0-5-5,Edge], [7:0-3-0,0-1-8], [9:0-8-0,0-1-12], [16:0-4-8,0-2-0], [16:0-1-8,0-1-8], [21:0-3-12,0-2-12], [39:0-1-9,0-1-0]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.79	Vert(LL)	0.10 24-46	>997	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.83	Vert(CT)	-0.52 21-22	>571	180	MT20HS	187/143
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.44	Horz(CT)	0.08 16	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MS						
								Weight: 291 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
6-24,11-20: 2x6 SP No.2, 16-20: 2x4 SP M 31
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 -1 1-11-8, Right 2x6 SP No.2 -1 1-5-14

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-8-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
6-0-0 oc bracing: 23-24.
WEBS 1 Row at midpt 7-23

REACTIONS. All bearings 5-7-8 except (l=length) 2=0-3-8, 24=0-3-8.
(lb) - Max Horz 2=164(LC 16)
Max Uplift All uplift 100 lb or less at joint(s) except 2=150(LC 8), 16=133(LC 13),
24=315(LC 12), 18=204(LC 13), 17=267(LC 1)
Max Grav All reactions 250 lb or less at joint(s) 17 except 2=388(LC 23),
16=429(LC 24), 24=1322(LC 1), 18=1068(LC 1), 18=1068(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-594/333, 7-9=-1281/306, 9-10=-987/278, 10-11=-1370/421, 11-13=-1386/349,
13-16=-541/195
BOT CHORD 23-24=-1119/263, 22-23=-143/959, 21-22=-110/1138, 11-21=-279/163, 18-19=-101/427,
17-18=-101/427, 16-17=-101/427
WEBS 7-23=-1454/248, 7-22=0/310, 9-22=-141/714, 10-22=-349/223, 10-21=-159/265,
19-21=-95/406, 13-21=-83/778, 13-19=-840/227

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., GCp=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2R) -2-0-0 to 1-10-6, Interior(1) 1-10-6 to 19-4-0, Exterior(2R) 19-4-0 to 23-2-6, Interior(1) 23-2-6 to 37-11-11 zone; porch left 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 MT20 plates unless otherwise indicated.
- 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 150 lb uplift at joint 2, 133 lb uplift at joint 16, 315 lb uplift at joint 24, 204 lb uplift at joint 18 and 267 lb uplift at joint 17.



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Date:

February 5, 2021

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MiTek

6904 Parke East Blvd.
Tampa, FL 33610

Job 2623537	Truss T06	Truss Type Roof Special	Qty 2	Ply 1	WOODMAN PARK - WARD RES. T22740100
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Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.430 s Nov 30 2020 MiTek Industries, Inc. Fri Feb 5 07:53:22 2021 Page 1

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-2-0-0	4-4-10	8-7-0	13-5-7	19-4-0	22-9-11	26-1-0	32-3-2	38-8-0
2-0-0	4-4-10	4-2-6	4-10-7	5-10-9	3-5-11	3-3-5	6-2-2	6-4-14

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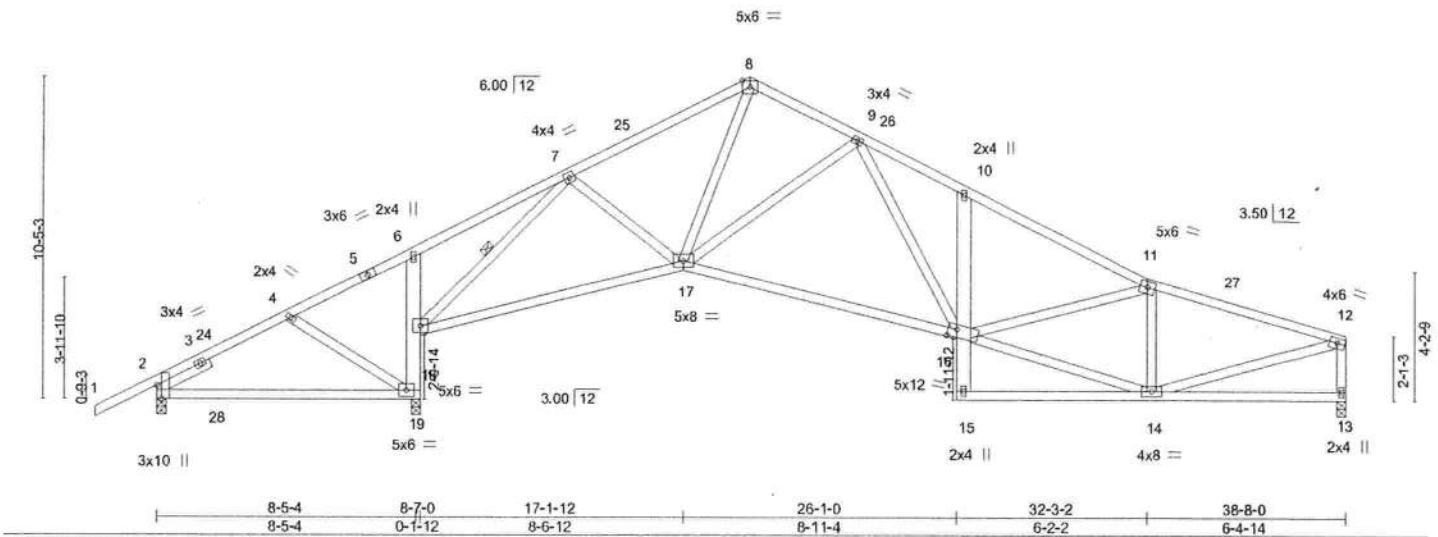


Plate Offsets (X,Y) - [2:0-5.5,Edge], [16:0-3.8,0-3-0]		LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL 20.0		Plate Grip DOL 1.25		TC 0.57		in (loc)		MT20		244/190			
TCDL 7.0		Lumber DOL 1.25		BC 0.90		Vert(LL) 0.10 19-22 >963 240							
BCLL 0.0 *		Rep Stress Incr YES		WB 0.59		Vert(CT) -0.57 16-17 >631 180							
BCDL 10.0		Code FBC2020/TPI2014		Matrix-MS		Horz(CT) 0.09 13 n/a n/a							
										Weight: 241 lb		FT = 20%	

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
6-19,10-15: 2x6 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 - 1-11-8

REACTIONS.

(size) 2=0-3-8, 13=0-3-8, 19=0-3-8
Max Horz 2=200(LC 12)
Max Uplift 2=-133(LC 8), 13=-260(LC 13), 19=-358(LC 12)
Max Grav 2=378(LC 23), 13=1094(LC 1), 19=1514(LC 1)

FORCES. (lb) -

Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-599/326, 6-7=-34/283, 7-8=-1574/488, 8-9=-1155/402, 9-10=-1975/652,
10-11=-1978/575, 11-12=-1608/439, 12-13=-1035/310
BOT CHORD 18-19=-1310/312, 17-18=-276/1140, 16-17=-308/1501, 10-16=-288/171
WEBS 7-18=-1787/396, 7-17=0/378, 8-17=-274/978, 9-17=-580/267, 9-16=-232/617,
14-16=-396/1559, 11-14=-785/276, 12-14=-371/1480

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 1-10-6, Interior(1) 1-10-6 to 19-4-0, Exterior(2R) 19-4-0 to 23-2-6, Interior(1) 23-2-6 to 38-6-4 zone; 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.
- 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 133 lb uplift at joint 2, 260 lb uplift at joint 13 and 358 lb uplift at joint 19.



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Date:

February 5, 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 2623537	Truss T07	Truss Type Roof Special	Qty 2	Ply 1	WOODMAN PARK - WARD RES. T22740101
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Builders FirstSource (Jacksonville, FL).

Jacksonville, FL - 32244.

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Job Reference (optional)

2-3-14	6-6-0	12-0-0	17-5-2	22-11-1	28-5-0	31-0-8
2-3-14	4-2-2	5-6-0	5-5-2	5-5-15	5-5-15	2-7-8

4x4 =

Scale = 1:67.1

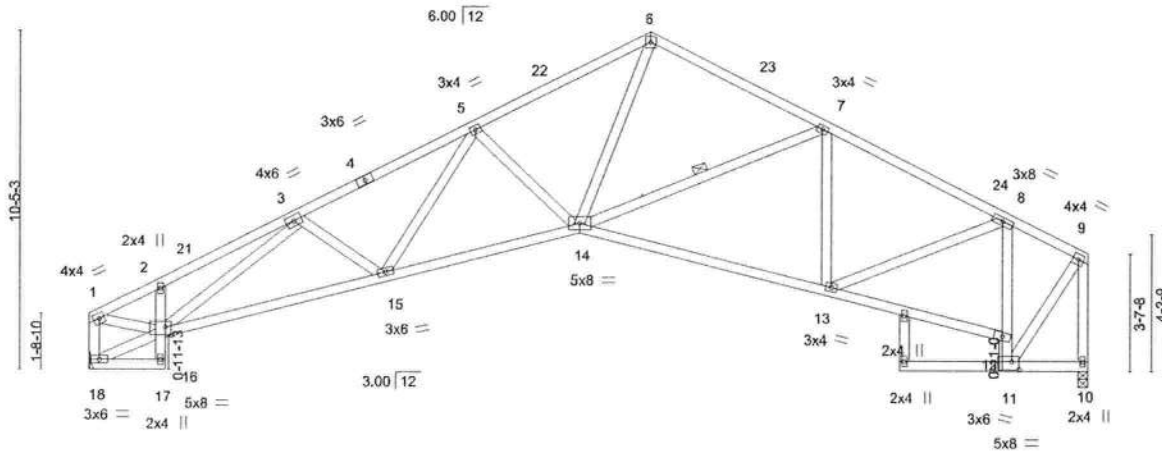


Plate Offsets (X,Y) - [11:0-2-12,0-3-0], [16:0-2-4,0-3-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	I/deff	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.33	Vert(LL)	-0.15	13-14	>999	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.74	Vert(CT)	-0.35	13-14	>999		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.57	Horz(CT)	0.29	10	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS						
	Code FBC2020/TPI2014						Weight: 197 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
2-17,11-19: 2x4 SP No.3
WEBS 2x4 SP No.3

REACTIONS.

(size) 10=0-3-8, 18=Mechanical
Max Horz 18=166(LC 12)
Max Uplift 10=-217(LC 13), 18=-237(LC 12)
Max Grav 10=1138(LC 1), 18=1138(LC 1)

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

TOP CHORD 1-2=-1605/446, 2-3=-1706/526, 3-5=-2517/636, 5-6=-2090/513, 6-7=-1554/402,
7-8=-1602/353, 8-9=-675/152, 1-18=-1102/310, 9-10=-1189/256
BOT CHORD 15-16=-706/2286, 14-15=-553/2175, 13-14=-243/1434, 12-13=-148/722, 11-12=-733/163,
8-12=-879/214
WEBS 3-16=-948/162, 5-15=-77/275, 5-14=-445/241, 6-14=-331/1385, 7-13=-277/115,
8-13=-118/749, 1-16=-391/1437, 9-11=-207/1009

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 3-3-0, Interior(1) 3-3-0 to 17-5-2, Exterior(2R) 17-5-2
to 20-6-6, Interior(1) 20-6-6 to 30-10-12 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.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 217 lb uplift at joint 10 and 237 lb uplift
at joint 18.



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Date:

February 5,2021

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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

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



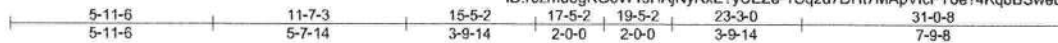
6904 Parke East Blvd.
Tampa, FL 33610

Job 2623537	Truss T07G	Truss Type Hip	Qty 1	Ply 1	WOODMAN PARK - WARD RES. Job Reference (optional)	T22740102
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Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

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ID: r0zmu6gKG8W1sHAjNyRxExUEZE-1Cq2u7DH7MApVlcPToe74KqbBSwebwOlqcq6OzoFUD



Scale: 3/16"=1'

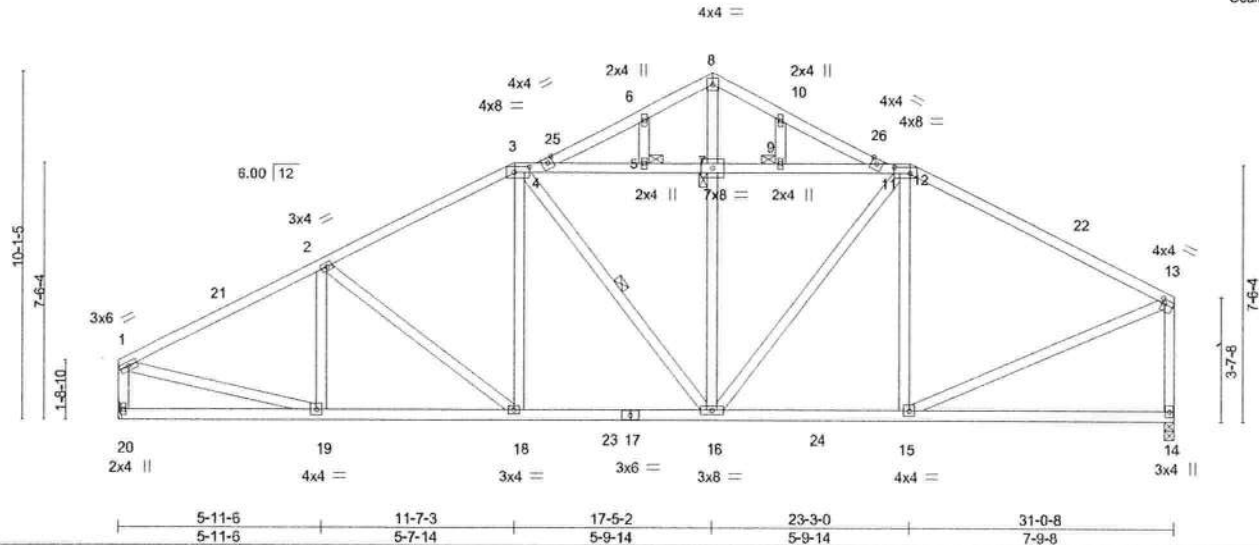


Plate Offsets (X,Y)-- [3:0-5-4,0-2-0], [12:0-5-8,0-2-4], [13:0-1-0,0-1-8]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.83	Vert(LL)	-0.11	14-15	>999	240	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.57	Vert(CT)	-0.22	14-15	>999	180	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.52	Horz(CT)	0.04	14	n/a	n/a	
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MS						
								Weight: 221 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 *Except*
4-8,8-11: 2x4 SP No.3
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

REACTIONS.

(size) 20=Mechanical, 14=0-3-8
Max Horz 20=161(LC 12)
Max Uplift 20=-261(LC 12), 14=-247(LC 13)
Max Grav 20=1249(LC 2), 14=1259(LC 2)

FORCES.

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

TOP CHORD 1-2=-1618/347, 2-3=-1499/358, 3-4=-1250/346, 4-5=-924/296, 5-7=-924/296,
7-9=-924/296, 9-11=-924/296, 11-12=-1250/345, 12-13=-1263/289, 1-20=-1153/274,
13-14=-1135/279, 4-6=-389/104, 6-8=-365/132, 8-10=-367/132, 10-11=-390/95
BOT CHORD 18-19=-416/1414, 16-18=-319/1300, 15-16=-185/1060
WEBS 3-18=-40/342, 12-16=-144/352, 1-19=-238/1358, 13-15=-189/1098

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 3-3-0, Interior(1) 3-3-0 to 17-5-2, Exterior(2R) 11-7-3
to 15-11-14, Interior(1) 15-11-14 to 23-3-0, Exterior(2R) 17-5-2 to 21-9-13, Interior(1) 21-9-13 to 30-10-12 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.
- 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.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 261 lb uplift at joint 20 and 247 lb uplift
at joint 14.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins,
except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-2-0 oc bracing.
WEBS 1 Row at midpt 3-16
JOINTS 1 Brace at Jt(s): 7, 5, 9

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.

TOP CHORD MUST BE BRACED BY END JACKS,
ROOF DIAPHRAGM, OR PROPERLY CONNECTED
PURLINS AS SPECIFIED.



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6904 Parke East Blvd. Tampa FL 33610
Date:

February 5, 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
Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20681

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 ID: r0zmu6gKG8W1sHajNyrxE?yUEZe-RnVBX9F92kgyr1B4bLLcys2PT3rvUr_orUjzoFuA
 -2-0-0 2-9-4 5-2-15 8-0-0 13-5-7 19-4-0 22-9-11 27-9-3 32-3-2 34-0-0 39-0-10 44-8-0 46-8-0
 2-0-0 2-9-4 2-5-12 2-9-1 5-5-7 5-10-9 3-5-11 4-11-8 4-5-15 1-8-14 5-0-10 5-7-6 2-0-0

Technical drawing of a roof truss structure. The drawing includes a side elevation and a plan view. The side elevation shows a gabled roof with a peak at node 9. The roof slope is indicated by a vertical dimension of 10-5-3 and a horizontal dimension of 3-1-10. The plan view shows the layout of the truss members and their connections. Dimensions are given in meters (m) and millimeters (mm). Material specifications are indicated by codes such as 3x4, 4x4, 5x6, 3x6, 4x6, 5x8, 3x8, 4x8, 5x10, 3x12, 4x12, 5x12, 3x16, 4x16, 5x16, 3x20, 4x20, 5x20, 3x24, 4x24, 5x24, 3x30, 4x30, 5x30, 3x36, 4x36, 5x36, 3x40, 4x40, 5x40, 3x48, 4x48, 5x48, 3x60, 4x60, 5x60, 3x72, 4x72, 5x72, 3x96, 4x96, 5x96, 3x120, 4x120, 5x120, 3x144, 4x144, 5x144, 3x180, 4x180, 5x180, 3x216, 4x216, 5x216, 3x240, 4x240, 5x240, 3x288, 4x288, 5x288, 3x360, 4x360, 5x360, 3x432, 4x432, 5x432, 3x540, 4x540, 5x540, 3x648, 4x648, 5x648, 3x864, 4x864, 5x864, 3x1080, 4x1080, 5x1080, 3x1296, 4x1296, 5x1296, 3x1620, 4x1620, 5x1620, 3x2160, 4x2160, 5x2160, 3x2736, 4x2736, 5x2736, 3x3456, 4x3456, 5x3456, 3x4320, 4x4320, 5x4320, 3x5400, 4x5400, 5x5400, 3x6480, 4x6480, 5x6480, 3x8100, 4x8100, 5x8100, 3x10800, 4x10800, 5x10800, 3x14400, 4x14400, 5x14400, 3x18000, 4x18000, 5x18000, 3x21600, 4x21600, 5x21600, 3x27360, 4x27360, 5x27360, 3x34560, 4x34560, 5x34560, 3x43200, 4x43200, 5x43200, 3x54000, 4x54000, 5x54000, 3x64800, 4x64800, 5x64800, 3x81000, 4x81000, 5x81000, 3x108000, 4x108000, 5x108000, 3x144000, 4x144000, 5x144000, 3x180000, 4x180000, 5x180000, 3x216000, 4x216000, 5x216000, 3x273600, 4x273600, 5x273600, 3x345600, 4x345600, 5x345600, 3x432000, 4x432000, 5x432000, 3x540000, 4x540000, 5x540000, 3x648000, 4x648000, 5x648000, 3x810000, 4x810000, 5x810000, 3x1080000, 4x1080000, 5x1080000, 3x1440000, 4x1440000, 5x1440000, 3x1800000, 4x1800000, 5x1800000, 3x2160000, 4x2160000, 5x2160000, 3x2736000, 4x2736000, 5x2736000, 3x3456000, 4x3456000, 5x3456000, 3x4320000, 4x4320000, 5x4320000, 3x5400000, 4x5400000, 5x5400000, 3x6480000, 4x6480000, 5x6480000, 3x8100000, 4x8100000, 5x8100000, 3x10800000, 4x10800000, 5x10800000, 3x14400000, 4x14400000, 5x14400000, 3x18000000, 4x18000000, 5x18000000, 3x21600000, 4x21600000, 5x21600000, 3x27360000, 4x27360000, 5x27360000, 3x34560000, 4x34560000, 5x34560000, 3x43200000, 4x43200000, 5x43200000, 3x54000000, 4x54000000, 5x54000000, 3x64800000, 4x64800000, 5x64800000, 3x81000000, 4x81000000, 5x81000000, 3x108000000, 4x108000000, 5x108000000, 3x144000000, 4x144000000, 5x144000000, 3x180000000, 4x180000000, 5x180000000, 3x216000000, 4x216000000, 5x216000000, 3x273600000, 4x273600000, 5x273600000, 3x345600000, 4x345600000, 5x345600000, 3x432000000, 4x432000000, 5x432000000, 3x540000000, 4x540000000, 5x540000000, 3x648000000, 4x648000000, 5x648000000, 3x810000000, 4x810000000, 5x810000000, 3x1080000000, 4x1080000000, 5x1080000000, 3x1440000000, 4x1440000000, 5x1440000000, 3x1800000000, 4x1800000000, 5x1800000000, 3x2160000000, 4x2160000000, 5x2160000000, 3x2736000000, 4x2736000000, 5x2736000000, 3x3456000000, 4x3456000000, 5x3456000000, 3x4320000000, 4x4320000000, 5x4320000000, 3x5400000000, 4x5400000000, 5x5400000000, 3x6480000000, 4x6480000000, 5x6480000000, 3x8100000000, 4x8100000000, 5x8100000000, 3x10800000000, 4x10800000000, 5x10800000000, 3x14400000000, 4x14400000000, 5x14400000000, 3x18000000000, 4x18000000000, 5x18000000000, 3x21600000000, 4x21600000000, 5x21600000000, 3x27360000000, 4x27360000000, 5x27360000000, 3x34560000000, 4x34560000000, 5x34560000000, 3x43200000000, 4x43200000000, 5x43200000000, 3x54000000000, 4x54000000000, 5x54000000000, 3x64800000000, 4x64800000000, 5x64800000000, 3x81000000000, 4x81000000000, 5x81000000000, 3x108000000000, 4x108000000000, 5x108000000000, 3x144000000000, 4x144000000000, 5x144000000000, 3x180000000000, 4x180000000000, 5x180000000000, 3x216000000000, 4x216000000000, 5x216000000000, 3x273600000000, 4x273600000000, 5x273600000000, 3x345600000000, 4x345600000000, 5x345600000000, 3x432000000000, 4x432000000000, 5x432000000000, 3x540000000000, 4x540000000000, 5x540000000000, 3x648000000000, 4x648000000000, 5x648000000000, 3x810000000000, 4x810000000000, 5x810000000000, 3x1080000000000, 4x1080000000000, 5x1080000000000, 3x1440000000000, 4x1440000000000, 5x1440000000000, 3x1800000000000, 4x1800000000000, 5x1800000000000, 3x2160000000000, 4x2160000000000, 5x2160000000000, 3x2736000000000, 4x2736000000000, 5x2736000000000, 3

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 4-7-7 oc purlins.
BOT CHORD	2x4 SP No.2 *Except*	BOT CHORD	Rigid ceiling directly applied or 5-11-8 oc bracing.
	5-24: 2x6 SP No.2	WEBS	1 Row at midpt 11-19
WEBS	2x4 SP No.3		
SLIDER	Left 2x4 SP No.3 -t 1-11-8		

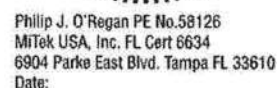
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-4=-186/295, 4-5=-131/395, 5-6=-123/550, 6-8=-134/367, 8-9=-1424/367,
9-10=-1048/319, 10-11=-1066/309, 11-12=-87/388, 12-13=-118/316, 13-14=-272/908,
14-15=-71/346

BOT CHORD 23-24=-1237/302, 22-23=-190/742, 21-22=-240/1360, 20-21=-57/1005, 19-20=-36/717,
18-19=-924/385, 17-18=-270/89, 15-17=-270/89

WEBS 6-23=-1727/376, 6-22=-15/514, 8-22=-329/70, 9-21=-185/875, 11-20=-1/359,
11-19=-1503/339, 13-19=-235/1118, 13-18=-1297/326, 14-18=-725/482

- 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., GCp=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -2-0-0 to 2-7-11, Interior(1) 2-7-11 to 19-4-0, Exterior(2R) 19-4-0 to 23-9-9, Interior(1) 23-9-9 to 46-8-0 zone; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 140 lb uplift at joint 2, 387 lb uplift at joint 18, 246 lb uplift at joint 15 and 340 lb uplift at joint 24.



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Job 2623537	Truss T10	Truss Type Roof Special	Qty 1	Ply 1	WOODMAN PARK - WARD RES. T22740105
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8.430 s Nov 30 2020 MiTek Industries, Inc. Fri Feb 5 07:53:31 2021 Page 1

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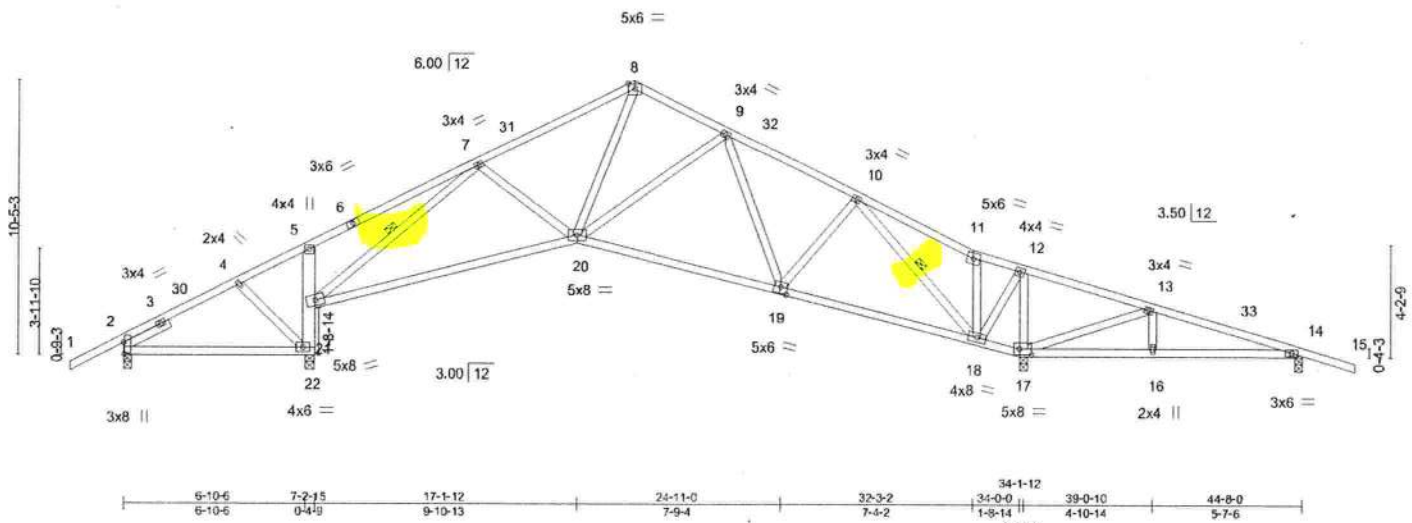


Plate Offsets (X,Y) - [2:0-4-13,0-0-6], [17:0-5-4,0-2-8], [19:0-3-0,0-3-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.41	Vert(LL)	-0.27	20-21	>999	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.55	Vert(CT)	-0.54	20-21	>997		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.52	Horz(CT)	0.09	17	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS						
	Code FBC2020/TPI2014						Weight: 250 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
5-22: 2x6 SP No.2, 20-21: 2x4 SP M 31
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 - 1-11-8

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-10-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 7-21, 10-18

REACTIONS.

All bearings 0-3-8 except (jt=length) 22=0-4-3.
(lb) - Max Horz 2=161(LC 16)
Max Uplift All uplift 100 lb or less at joint(s) except 2=116(LC 13), 17=382(LC 13), 14=177(LC 9), 22=291(LC 12)
Max Grav All reactions 250 lb or less at joint(s) except 2=359(LC 23), 17=1701(LC 1), 14=312(LC 24), 22=1193(LC 1)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-394/189, 7-8=-1286/359, 8-9=953/312, 9-10=-1018/344, 10-11=0/320, 11-12=-6/253, 12-13=-152/816
BOT CHORD 21-22=-1007/245, 5-21=-283/168, 20-21=-209/1124, 19-20=-57/947, 18-19=-72/702, 17-18=-829/264
WEBS 7-21=-1358/237, 8-20=-184/766, 10-19=0/320, 10-18=-1387/296, 12-18=-220/1062, 12-17=-1243/314, 13-17=-721/210

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 2-5-10, Interior(1) 2-5-10 to 19-4-0, Exterior(2R) 19-4-0 to 23-9-9, Interior(1) 23-9-9 to 46-8-0 zone; end vertical 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 116 lb uplift at joint 2, 382 lb uplift at joint 17, 177 lb uplift at joint 14 and 291 lb uplift at joint 22.



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Date:

February 5, 2021

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6904 Parke East Blvd.
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2-0-0	4-4-10	8-7-0	13-5-7	19-4-0	22-9-11	27-3-0	32-3-2	34-0-0	39-0-10	44-8-0	46-8-0
2-0-0	4-4-10	4-2-6	4-10-7	5-10-9	3-5-11	4-11-8	4-5-14	1-8-14	5-0-10	5-7-6	2-0-0

[illegible]

BRACING-	
TOP CHORD	Structural wood sheathing directly applied or 5-2-7 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 7-21. 10-18

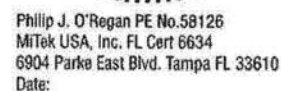
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-4=-591/323, 7-8=-1108/329, 8-9=-834/294, 9-10=-957/304, 10-11=-57/265,
12-13=-235/732, 13-14=-114/251

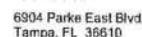
BOT CHORD 21-22=-1009/246, 20-21=-135/869, 19-20=-24/872, 18-19=-27/676, 17-18=-743/347

WEBS 12-11=-1242/220, 8-20=-153/618, 10-19=0/290, 10-18=-1271/343, 12-18=-217/999,
7-21=-1181/308, 13-17=-717/480

- 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 Exterior(2E) -2-0-0 to 2-5-10, Interior(1) 2-5-10 to 19-4-0, Exterior(2R) 19-4-0 to 23-9-9, Interior(1) 23-9-9 to 46-8-0 zone; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 161 lb uplift at joint 2, 381 lb uplift at joint 17, 246 lb uplift at joint 14 and 297 lb uplift at joint 22.



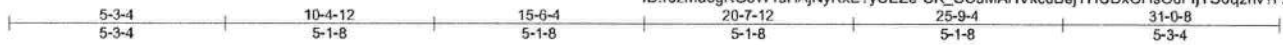
WARNING - Verify design parameters and **READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAPER** MIL-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MITEK® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before 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



Job 2623537	Truss T12	Truss Type FLAT GIRDER	Qty 1	Ply 2	WOODMAN PARK - WARD RES. T22740107
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Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.430 s Nov 30 2020 MiTek Industries, Inc. Fri Feb 5 07:53:37 2021 Page 1
ID:0zmu6gKG8W1sHAjNyRxExyUEZe-CK_CCuMAHVkdBejYHUDxOHsOdFijYS0q2nv?FzoFUS



Scale = 1:52.8

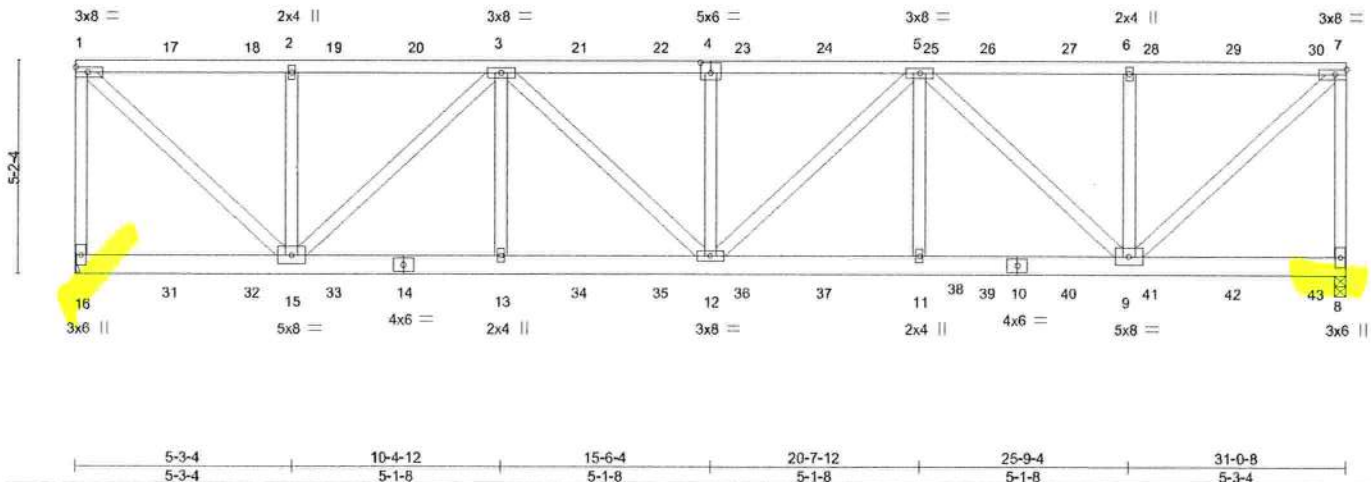


Plate Offsets (X.Y)~ [4:0-3:0-0-3-0]

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 0.22	Vert(LL)	0.10	12	>999	240	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.40	Vert(CT)	-0.18	12-13	>999	180	244/190
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.59	Horz(CT)	0.04	8	n/a	n/a	
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MS						
								Weight: 447 lb	FT = 20%

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

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

REACTIONS. (size) 16=Mechanical, 8=0-3-8
Max Uplift 16=1006(LC 4), 8=980(LC 4)
Max Grav 16=2623(LC 1), 8=2555(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-16=-2321/909, 1-2=-2290/876, 2-3=-2290/876, 3-4=-4064/1556, 4-5=-4064/1556, 5-6=-2300/880, 6-7=-2300/880, 7-8=-2305/902
BOT CHORD 13-15=-1385/3617, 12-13=-1385/3617, 11-12=-1388/3624, 9-11=-1388/3624
WEBS 1-15=-1189/3111, 2-15=-368/190, 3-15=-1820/698, 3-13=-142/546, 3-12=-234/612, 4-12=-344/177, 5-12=-230/603, 5-11=-144/551, 5-9=-1817/697, 6-9=-372/192, 7-9=-1193/3121

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.
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.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cal. II; Exp B; End., GCpi=0.18; MWFRS (envelope) gable end zone; 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.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1006 lb uplift at joint 16 and 980 lb uplift at joint 8.



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Date:

February 5, 2021

Continued on page 2

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ANSI/TPI1 Quality Criteria, DSB-89 and BCS1 Building Component
Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

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6904 Parke East Blvd.
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Job 2623537	Truss T12	Truss Type FLAT GIRDER	Qty 1	Ply 2	WOODMAN PARK - WARD RES. T22740107
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Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.430 s Nov 30 2020 MiTek Industries, Inc. Fri Feb 5 07:53:37 2021 Page 2
ID:r0zmu6gKG8W1sHAjNyRxExyUEZe-CK_CCuMAHVkdBejYHUDxOHsOdFjYs0q2nv?FzoFUS

NOTES-

- 10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 59 lb down and 35 lb up at 0-1-12, 67 lb down and 31 lb up at 2-3-4, 67 lb down and 31 lb up at 4-3-4, 67 lb down and 31 lb up at 6-3-4, 67 lb down and 31 lb up at 8-3-4, 67 lb down and 31 lb up at 10-3-4, 67 lb down and 31 lb up at 12-3-4, 67 lb down and 31 lb up at 14-3-4, 67 lb down and 31 lb up at 16-3-4, 67 lb down and 31 lb up at 18-3-4, 67 lb down and 31 lb up at 20-3-4, 67 lb down and 31 lb up at 22-3-4, 67 lb down and 31 lb up at 24-3-4, 67 lb down and 31 lb up at 26-3-4, and 67 lb down and 31 lb up at 28-3-4, and 63 lb down and 35 lb up at 30-3-4 on top chord, and 163 lb down and 73 lb up at 0-1-12, 154 lb down and 82 lb up at 2-3-4, 154 lb down and 82 lb up at 4-3-4, 154 lb down and 82 lb up at 6-3-4, 154 lb down and 82 lb up at 8-3-4, 154 lb down and 82 lb up at 10-3-4, 154 lb down and 82 lb up at 12-3-4, 154 lb down and 82 lb up at 14-3-4, 154 lb down and 82 lb up at 16-3-4, 154 lb down and 82 lb up at 18-3-4, 154 lb down and 82 lb up at 20-3-4, 154 lb down and 82 lb up at 22-3-4, 154 lb down and 82 lb up at 24-3-4, 154 lb down and 82 lb up at 26-3-4, and 154 lb down and 82 lb up at 28-3-4, and 158 lb down and 78 lb up at 30-3-4 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: 1-7=-54, 8-16=-20

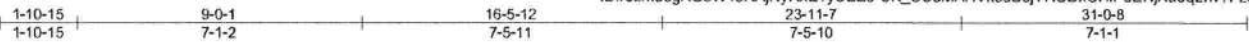
Concentrated Loads (lb)

Vert: 16=-160(B) 1=-51(B) 14=-151(B) 3=-27(B) 13=-151(B) 17=-27(B) 18=-27(B) 19=-27(B) 20=-27(B) 21=-27(B) 22=-27(B) 23=-27(B) 24=-27(B) 25=-27(B) 26=-27(B) 27=-27(B) 28=-27(B) 29=-27(B) 30=-37(B) 31=-151(B) 32=-151(B) 33=-151(B) 34=-151(B) 35=-151(B) 36=-151(B) 37=-151(B) 38=-151(B) 39=-151(B) 40=-151(B) 41=-151(B) 42=-151(B) 43=-155(B)

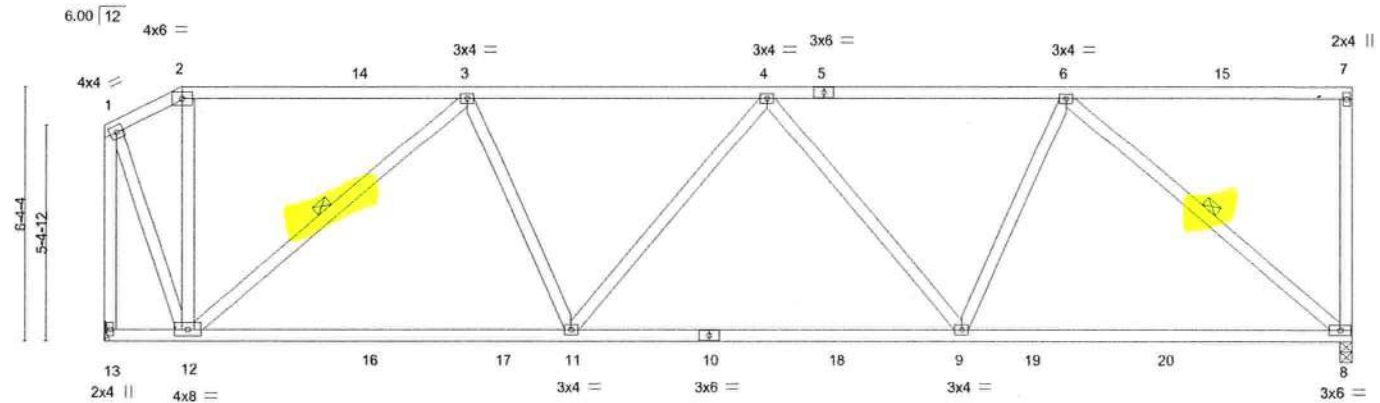
Job 2623537	Truss T13	Truss Type Half Hip	Qty 1	Ply 1	WOODMAN PARK - WARD RES. T22740108
Job Reference (optional)					

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

8.430 s Nov 30 2020 MiTek Industries, Inc. Fri Feb 5 07:53:37 2021 Page 1
ID:r0zmu6gKG8W1sHAjNyRxExyUEZ6-CK_CCuMAHVkdBajYHUDxOHIPdENjXu0q2nv?FzoFUS



Scale = 1:53.8



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 0.67	Vert(LL)	-0.24	8-9	>999	240	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.45	Vert(CT)	-0.42	8-9	>882	180	
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.69	Horz(CT)	0.05	8	n/a	n/a	
BCDL 10.0	Code	FBC2020/TPI2014	Matrix-MS						
Weight: 193 lb									FT = 20%

LUMBER-

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

REACTIONS.

(size) 8=0-3-8, 13=Mechanical
Max Horz 13=31(LC 12)
Max Uplift 8=311(LC 9), 13=281(LC 9)
Max Grav 8=1293(LC 2), 13=1283(LC 2)

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

TOP CHORD 1-2=-479/99, 2-3=-431/103, 3-4=-1585/360, 4-6=-1465/323, 1-13=-1376/263
BOT CHORD 11-12=-353/1377, 9-11=-417/1654, 8-9=-300/1179
WEBS 3-12=-1257/336, 3-11=-32/525, 4-9=-341/157, 6-9=-64/723, 6-8=-1531/393,
1-12=-243/1234

NOTES-

- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; End., GCpl=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-1-12 to 1-10-15, Exterior(2R) 1-10-15 to 6-3-10, Interior(1) 6-3-10 to 30-10-12 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.
- 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.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 311 lb uplift at joint 8 and 281 lb uplift at joint 13.



Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
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Date:

February 5, 2021

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Job 2623537	Truss T14	Truss Type Hip Girder	Qty 1	Ply 1	WOODMAN PARK - WARD RES. T22740109
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Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Fri Feb 5 07:53:39 2021 Page 1
 ID: r0zmu6gKG8W1sHAjNyRxExyUEZe-8i6zdaNRp7?KIUo6giXh0pN38RtBPHJHMG038zoFUQ
 -2-0-0 3-0-1 5-8-9 11-3-8 16-10-7 19-6-15 22-7-0
 2-0-0 3-0-1 2-8-9 5-6-15 5-6-15 2-8-9 3-0-1

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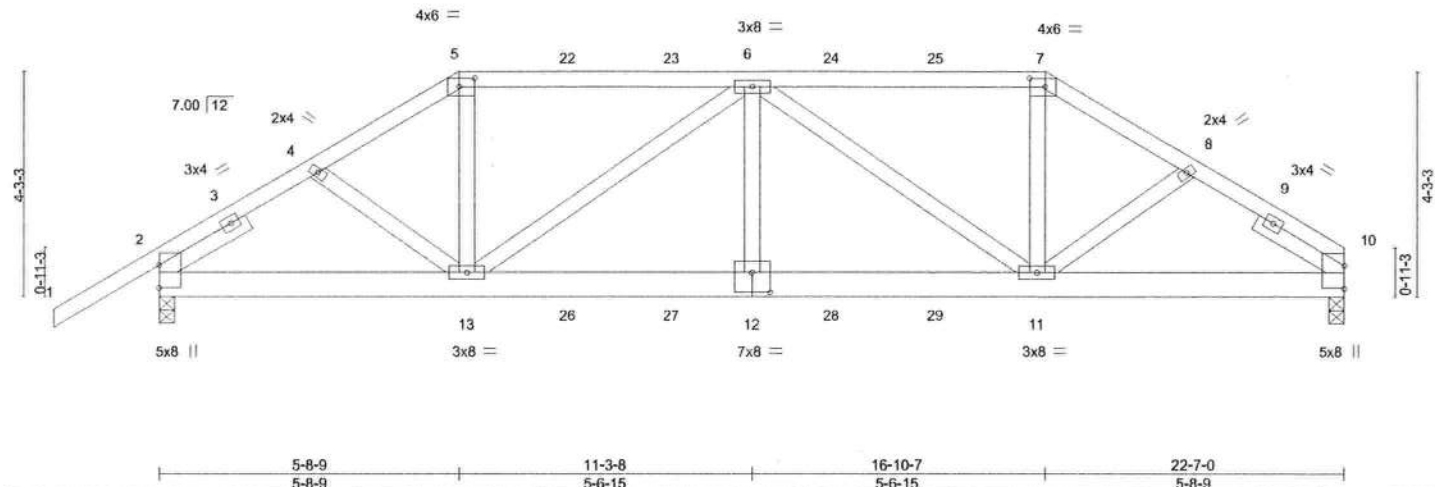


Plate Offsets (X,Y) - [5:0-3-8,0-2-0], [7:0-3-8,0-2-0], [12:0-4-0,0-4-8]							
LOADING (psf)	SPACING	2-0-0	CSI	DEFL.	in (loc)	I/defl	L/d
TCLL 20.0	Plate Grip DOL	1.25	TC 0.78	Vert(LL)	-0.09 12	>999	240
TCDL 7.0	Lumber DOL	1.25	BC 0.71	Vert(CT)	-0.18 12-13	>999	180
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.83	Horz(CT)	0.06 10	n/a	n/a
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MS				
				Weight: 143 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 1-11-8, Right 2x4 SP No.3 -1 1-11-8

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 3-0-15 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 7-5-14 oc bracing.

REACTIONS. (size) 10=0-3-8, 2=0-3-8
 Max Horz 2=91(LC 26)
 Max Uplift 10=-540(LC 9), 2=-569(LC 8)
 Max Grav 10=1608(LC 1), 2=1702(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-4=-2298/796, 4-5=-2338/818, 5-6=-2044/750, 6-7=-2093/780, 7-8=-2396/855, 8-10=-2364/835
 BOT CHORD 2-13=-657/1856, 12-13=-973/2834, 11-12=-973/2834, 10-11=-644/1921
 WEBS 4-13=-172/277, 5-13=-194/759, 6-13=-1002/403, 6-12=-14/546, 6-11=-942/352, 7-11=-162/750, 8-11=-191/278

- 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; end vertical 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 540 lb uplift at joint 10 and 569 lb uplift at joint 2.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 125 lb down and 95 lb up at 5-8-9, 106 lb down and 93 lb up at 7-9-5, 106 lb down and 93 lb up at 9-9-5, 106 lb down and 85 lb up at 11-3-8, 106 lb down and 93 lb up at 12-9-11, and 106 lb down and 93 lb up at 14-9-11, and 198 lb down and 182 lb up at 16-10-7 on top chord, and 251 lb down and 108 lb up at 5-8-9, 84 lb down and 21 lb up at 7-9-5, 84 lb down and 21 lb up at 9-9-5, 84 lb down and 21 lb up at 11-3-8, 84 lb down and 21 lb up at 12-9-11, and 84 lb down and 21 lb up at 14-9-11, and 251 lb down and 108 lb up at 16-9-11 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



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 Date:

February 5, 2021

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK - WARD RES.	T22740109
2623537	T14	Hip Girder	1	1	Job Reference (optional)	

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

8.430 s Nov 30 2020 MiTek Industries, Inc. Fri Feb 5 07:53:39 2021 Page 2
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LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-5=-54, 5-7=-54, 7-10=-54, 14-18=-20

Concentrated Loads (lb)

Vert: 5=-106(F) 7=-153(F) 13=-218(F) 12=-61(F) 6=-106(F) 11=-218(F) 22=-106(F) 23=-106(F) 24=-106(F) 25=-106(F) 26=-61(F) 27=-61(F) 28=-61(F) 29=-61(F)



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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



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Tampa, FL 33610

Job 2623537	Truss T15	Truss Type Hip Girder	Qty 1	Ply 2	WOODMAN PARK - WARD RES. T22740110
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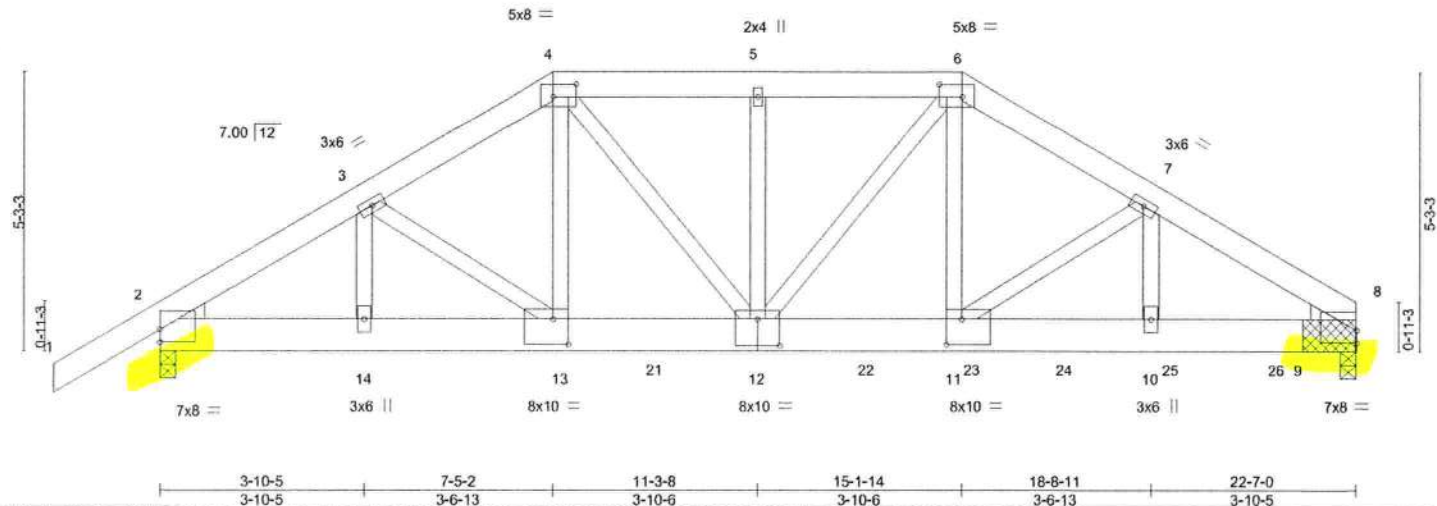
Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.430 s Nov 30 2020 MiTek Industries, Inc. Fri Feb 5 07:53:41 2021 Page 1

ID: r0zmu6gkG8W1sHAjNyRxExyUEZe-55Ej2FPhLkF26oxVn6Z96ESUhEdnfMdcgl780zoFUO

-2-0-0	3-10-5	7-5-2	11-3-8	15-1-14	18-8-11	22-7-0
2-0-0	3-10-5	3-6-13	3-10-6	3-10-6	3-6-13	3-10-5

Scale = 1:40.9



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 0.46	Vert(LL)	-0.09	12	>999	240	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.36	Vert(CT)	-0.17	12-13	>999	180	244/190
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.58	Horz(CT)	0.04	8	n/a	n/a	
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MS						
								Weight: 391 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3, Right: 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-7-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 8=(0-3-8 + bearing block) (req. 0-4-0), 2=0-3-8
Max Horz 2=113(LC 7)
Max Uplift 8=-1655(LC 9), 2=-1478(LC 8)
Max Grav 8=8758(LC 1), 2=5182(LC 1)

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

TOP CHORD 2-3=-7949/2256, 3-4=-8789/2522, 4-5=-8617/2325, 5-6=-8617/2325, 6-7=-8873/2281, 7-8=-9726/2411
BOT CHORD 2-14=-1929/6694, 13-14=-1929/6694, 12-13=-2160/7665, 11-12=-1880/7751, 10-11=-2005/8231, 8-10=-2005/8231
WEBS 3-14=-967/304, 3-13=-454/1169, 4-13=-1050/2931, 4-12=-236/1570, 6-12=-590/1558, 6-11=-653/3059, 7-11=-715/182, 7-10=-161/949

NOTES-

- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc, Except member 13-4 2x4 - 1 row at 0-8-0 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.
- 2x8 SP 2400F 2.0E bearing block 12" long at jlt. 8 attached to each face with 4 rows of 10d (0.131"x3") nails spaced 3" o.c. 16 Total fasteners per block. Bearing is assumed to be SP No.2.
- 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; 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 1655 lb uplift at joint 8 and 1478 lb uplift at joint 2.



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MiTek USA, Inc. FL Cert 6634
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Date:

February 5, 2021

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6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK - WARD RES.	T22740110
2623537	T15	Hip Girder	1	2	Job Reference (optional)	

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

8.430 s Nov 30 2020 MiTek Industries, Inc. Fri Feb 5 07:53:41 2021 Page 2
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NOTES-

11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2603 lb down and 1026 lb up at 7-5-1, 1263 lb down and 301 lb up at 9-4-4, 1229 lb down and 281 lb up at 11-4-4, 1118 lb down and 257 lb up at 13-4-4, 1118 lb down and 257 lb up at 15-4-4, 1029 lb down and 242 lb up at 17-1-4, and 1029 lb down and 242 lb up at 19-1-4, and 1029 lb down and 242 lb up at 21-1-4 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: 1-4=-54, 4-6=-54, 6-8=-54, 15-18=20

Concentrated Loads (lb)

Vert: 13=-2603(B) 12=-1118(B) 21=-1118(B) 22=-1118(B) 23=-1118(B) 24=-1029(B) 25=-1029(B) 26=-1029(B)



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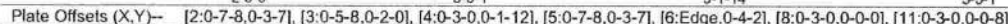
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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



6904 Parke East Blvd.
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Scale = 1:27.9

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
 11-12,7-8: 2x4 SP No.3
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 -t 1-4-7. Right 2x4 SP No.3 -t 1-4-7.

BRACING-	
TOP CHORD	Structural wood sheathing directly applied or 3-9-3 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 9-3-11 oc bracing. Except: 9-11-0 oc bracing: 8-9

REACTIONS. (size) 1=0-3-8, 6=0-3-8
 Max Horz 1=74(LC 5)
 Max Uplift 1=-323(LC 8), 6=-323(LC 9)
 Max Grav 1=1009(LC 1), 6=1009(LC 1)

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

TOP CHORD	2-14=-838/270, 2-3=-1948/678, 3-4=1683/609, 4-5=1952/655, 5-6=-838/288
BOT CHORD	1-12=-128/316, 2-11=-428/1334, 10-11=-556/1650, 9-10=-566/1680, 8-9=-514/1653, 5-8=-426/1338, 6-7=-108/316
WEBS	3-10=-201/625, 4-9=-184/630

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; 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 323 lb uplift at joint 1 and 323 lb uplift at joint 6.
- 8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 116 lb down and 83 lb up at 5-8-9, and 97 lb down and 73 lb up at 7-3-8, and 116 lb down and 83 lb up at 8-10-7 on top chord, and 286 lb down and 150 lb up at 5-8-9, and 88 lb down and 31 lb up at 7-3-8, and 286 lb down and 150 lb up at 8-9-11 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-4=-54, 4-6=-54, 12-13=-20, 8-11=-20, 7-17=-20



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February 5, 2021

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK - WARD RES.	T22740111
2623537	T16	Hip Girder	1	1	Job Reference (optional)	

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

8.430 s Nov 30 2020 MiTek Industries, Inc. Fri Feb 5 07:53:42 2021 Page 2
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LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 3=-97(B) 4=-97(B) 10=-286(B) 9=-286(B) 25=-97(B) 26=-75(B)

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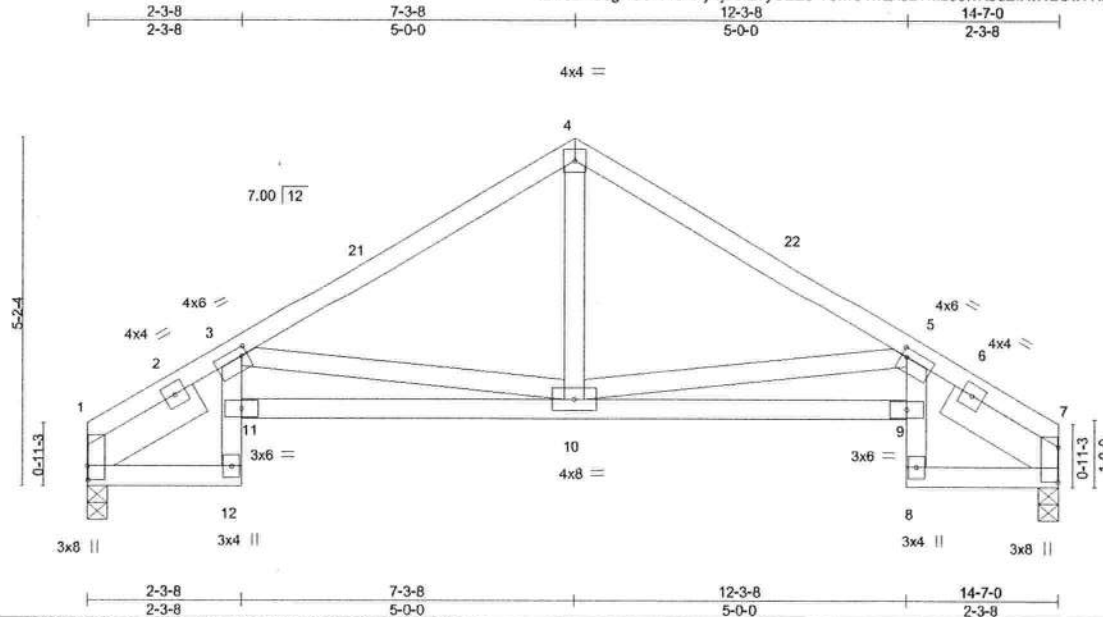
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Tampa, FL 33610

Job 2623537	Truss T17	Truss Type Roof Special	Qty 1	Ply 1	WOODMAN PARK - WARD RES. T22740112
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8.430 s Nov 30 2020 MiTek Industries, Inc. Fri Feb 5 07:53:43 2021 Page 1

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Scale = 1:32.5

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

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 0.31	Vert(LL)	-0.06	9-10	>999	240	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.83	Vert(CT)	-0.12	9-10	>999	180	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.35	Horz(CT)	0.12	7	n/a	n/a	
BCDL 10.0	Code	FBC2020/TPI2014	Matrix-MS						
								Weight: 81 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-7-12 oc bracing.

REACTIONS.

(size) 1=0-3-8, 7=0-3-8
Max Horz 1=-94(LC 8)
Max Uplift 1=-107(LC 12), 7=-107(LC 13)
Max Grav 1=540(LC 1), 7=540(LC 1)

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

TOP CHORD 1-3=-670/184, 3-4=-706/181, 4-5=-706/182, 5-7=-670/185
BOT CHORD 1-12=-157/518, 10-11=-375/1204, 9-10=-293/1168, 7-8=-118/500
WEBS 4-10=-53/393, 5-10=-639/266, 3-10=-686/309

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=3.0psf; h=20ft; Cat. II; Exp B; End., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 7-3-8, Exterior(2R) 7-3-8 to 10-3-8, Interior(1) 10-3-8 to 14-7-0 zone; end vertical 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 107 lb uplift at joint 1 and 107 lb uplift at joint 7.



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Date:

February 5, 2021

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

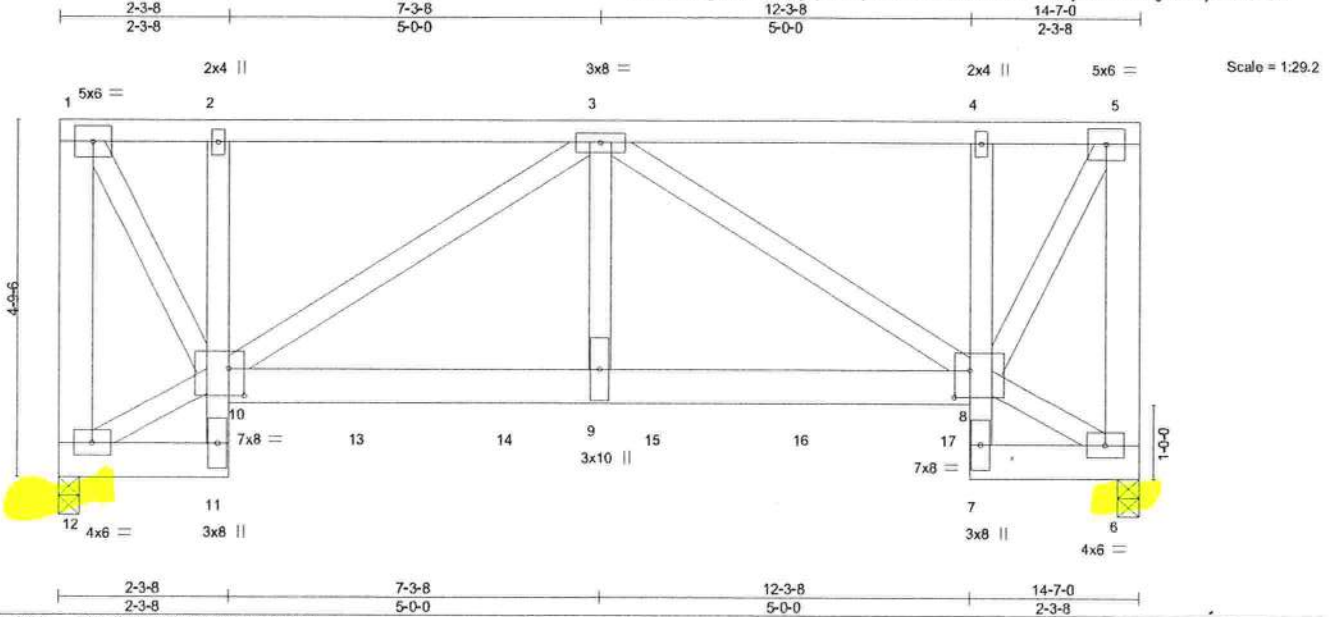
ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



6904 Parke East Blvd.
Tampa, FL 33610

Job 2623537	Truss T18	Truss Type Roof Special Girder	Qty 1	Ply 2	WOODMAN PARK - WARD RES. T22740113
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Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Fri Feb 5 07:53:45 2021 Page 1
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LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.13	Vert(LL)	-0.07	MT20		244/190	
TCDL	7.0	Lumber DOL	1.25	BC	1.00	Vert(CT)	-0.12				
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.76	Horz(CT)	0.06				
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS							
										Weight: 247 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
2-11,4-7: 2x4 SP No.3
WEBS 2x4 SP No.3 *Except*
1-12,5-6: 2x6 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 6-0-0 oc bracing.

REACTIONS. (size) 12=0-3-8, 6=0-3-8
Max Horz 12=142(LC 4)
Max Uplift 12=708(LC 4), 6=850(LC 5)
Max Grav 12=3513(LC 2), 6=4331(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-12=-3544/730, 1-2=-1988/442, 2-3=-2071/460, 3-4=-1975/402, 4-5=-1889/384, 5-6=-3369/693
BOT CHORD 10-11=-175/961, 9-10=-933/4400, 8-9=-933/4400, 6-7=-259/40
WEBS 10-12=-164/293, 1-10=-812/3987, 3-10=-2793/570, 3-9=-463/2933, 3-8=-2908/593, 6-8=-109/327, 5-8=-780/3789

NOTES-

- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-7-0 oc, 2x4 - 1 row 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.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; End., GCp=0.18; MWFRS (envelope) gable end zone; end vertical 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 708 lb uplift at joint 12 and 850 lb uplift at joint 6.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1016 lb down and 197 lb up at 2-1-12, 980 lb down and 187 lb up at 4-0-12, 980 lb down and 187 lb up at 6-0-12, 980 lb down and 187 lb up at 8-0-12, 980 lb down and 187 lb up at 10-0-12, and 980 lb down and 187 lb up at 12-0-12, and 1023 lb down and 190 lb up at 14-4-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.



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Date:

February 5, 2021

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6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK - WARD RES.	T22740113
2623537	T18	Roof Special Girder	1	2	Job Reference (optional)	

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

8.430 s Nov 30 2020 MiTek Industries, Inc. Fri Feb 5 07:53:46 2021 Page 2
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LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-5=-54, 11-12=-20, 8-10=-20, 6-7=-20

Concentrated Loads (lb)

Vert: 6=-904(F) 11=-897(F) 13=-897(F) 14=-897(F) 15=-897(F) 16=-897(F) 17=-897(F)



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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



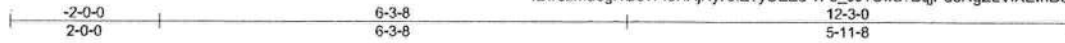
6904 Parke East Blvd.
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Job 2623537	Truss T19	Truss Type Common	Qty 2	Ply 1	WOODMAN PARK - WARD RES. T22740114
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Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.430 s Nov 30 2020 MiTek Industries, Inc. Fri Feb 5 07:53:47 2021 Page 1

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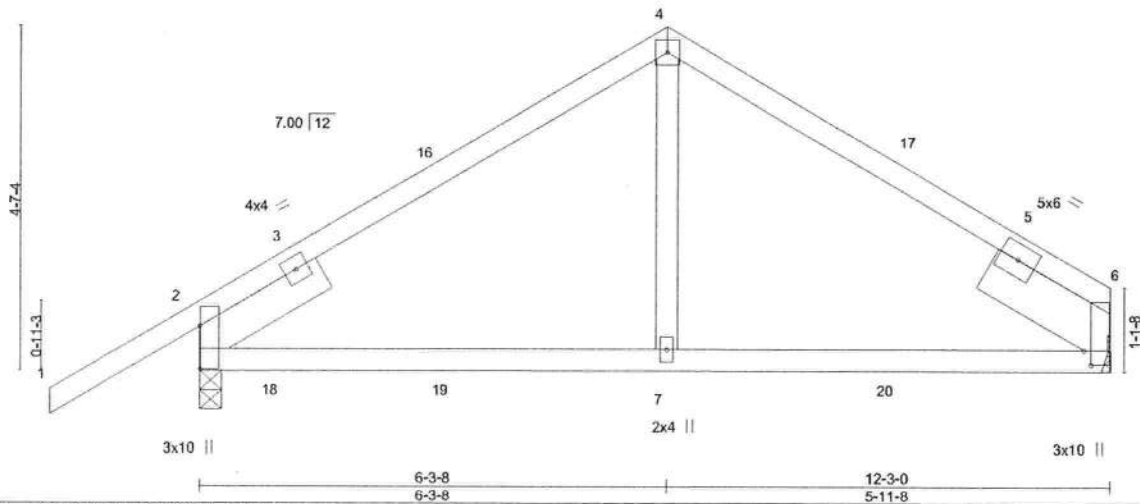


Plate Offsets (X,Y)- [2:0-6-15,0-0-1], [6:0-2-4,0-1-1]

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 0.33	Vert(LL)	0.05	7-14	>999	240	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.29	Vert(CT)	-0.06	7-14	>999	180	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.09	Horz(CT)	0.02	6	n/a	n/a	
BCDL 10.0	Code	FBC2020/TPI2014	Matrix-MS						
								Weight: 60 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 - 1-11-8, Right 2x8 SP 2400F 2.0E - 1-11-8

BRACING-

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

REACTIONS.

(size) 6=Mechanical, 2=0-3-8
Max Horz 2=97(LC 9)
Max Uplift 6=-87(LC 13), 2=-135(LC 12)
Max Grav 6=444(LC 1), 2=570(LC 1)

FORCES.

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

TOP CHORD 2-4=-415/292, 4-6=-418/296
BOT CHORD 2-7=-177/347, 6-7=-177/347

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 6-3-8, Exterior(2R) 6-3-8 to 9-3-8, Interior(1) 9-3-8 to 12-3-0 zone; end vertical left 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.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 87 lb uplift at joint 6 and 135 lb uplift at joint 2.



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6904 Parke East Blvd. Tampa FL 33610
Date:

February 5,2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITK 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

Job 2623537	Truss T19G	Truss Type GABLE	Qty 1	Ply 1	WOODMAN PARK - WARD RES. Job Reference (optional)	T22740115
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Builders FirstSource, Lake City, FL 32055

ID: r0zmu6gKG8W1sHAjNyRxExUEZE-MGRQ0njYAFI0HdTxES70dyGU9m7G3RFTNVyTfxzoChe
8.430 s Dec 17 2020 MiTek Industries, Inc. Fri Feb 5 12:04:21 2021 Page 1

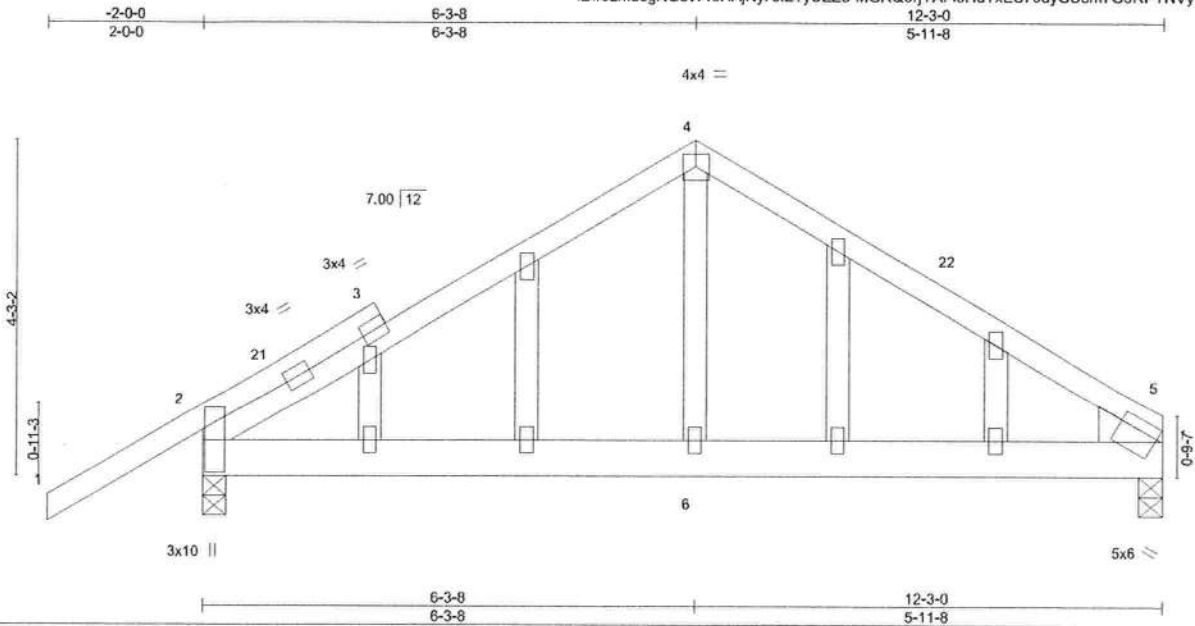


Plate Offsets (X,Y)-		[2:0-5-0,0-0-5], [5:Edge,0-1-9]									
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.55	Vert(LL)	-0.02 6-17 >999 240	MT20		244/190	
TCDL	7.0	Lumber DOL	1.25	BC	0.16	Vert(CT)	-0.03 6-17 >999 180				
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.01 2 n/a n/a				
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							
								Weight: 75 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
WEDGE
Right: 2x6 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. (lb/size) 2=570/0-3-8, 5=444/0-3-8
Max Horz 2=97(LC 11)
Max Uplift 2=138(LC 12), 5=88(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-21=-515/211, 3-21=-501/211, 3-4=-452/241, 4-22=-452/236, 5-22=-540/223
BOT CHORD 2-6=-88/391, 5-6=-88/391
WEBS 4-6=-75/265

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 1-0-0, Exterior(2N) 1-0-0 to 6-3-8, Corner(3R) 6-3-8 to 9-3-8, Exterior(2N) 9-3-8 to 12-3-0 zone; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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 138 lb uplift at joint 2 and 88 lb uplift at joint 5.

LOAD CASE(S) Standard



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February 5, 2021

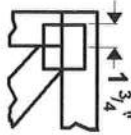
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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/TPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

MiTek

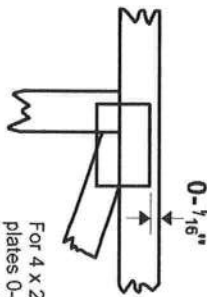
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Tampa, FL 33610

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- $\frac{1}{16}$ \"/>

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

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

PLATE SIZE

4 X 4

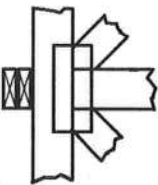
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

BEARING



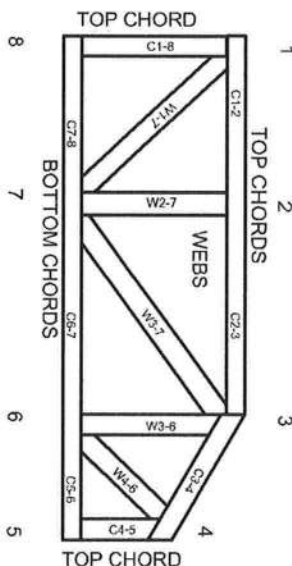
Indicates location where bearings (supports) occur. Icons vary, but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

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

Numbering System

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



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

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

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

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

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

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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